CITYWIRE
make better investments

HD	**Brunner: What we find Yum about problematic China**
BY	Citywire
WC	708 words
PD	15 April 2022
SN	Citywire
SC	CWIRE
LA	English
CY	© 2022 Citywire Financial Publishers Ltd

LP

Matthew Tillett, fund manager of Brunner (BUT) investment trust, answers an investor question about what he holds in China after having to sell China Mobile last year.

This is the fourth video excerpt from our Citywire-Brunner virtual event last week. If this has whetted your appetite, you can watch the entire one-hour broadcast.

TD

Can't watch now? Read the transcript

Jeremy Gordon:

What do you hold in China after having to sell China Mobile after it was placed on the UK sanctions list? Also, what's your broad view on China? They say one of your competitor investment trusts has recently sold out due to political risk.

Matthew Tillett:

It was a very active area of discussion last year, as you can imagine. It still is. Huge falls in the likes of Alibaba and Tencent. Companies that, on paper, look very high quality or are very high quality and have delivered great growth over the years and potentially have a lot of growth going forward.

We looked quite closely and, in the end, decided not to because we felt that the issues around the regulatory crackdown were not it just wasn't quite clear where the government was going to go with it. It's probably a helpful reminder for investors that when you're investing in these sorts of countries, it's not the same as investing in Western markets. You can come in one day and suddenly, everything has changed in terms of the regulatory framework and the market framework.

There's the example of the education companies, where the government decided overnight that they could no longer make profits. So the cost of capital has to be higher as a result of that. In terms of what we own there and what we're interested in, we do still think that China is a big market; it's likely to continue growing over the years.

You can find good quality companies that can benefit from that and aren't exposed to some of the risks out there. We own Yum China in the portfolio and we did add to that at the end of last year and again, more recently. That's a very interesting company. It operates the Yum brands in China. So that's Pizza Hut, KFC and a few others. They've been there since the 1980s, so are very much established within the culture over there. They're the largest quick-service restaurant chain in China now, which is what matters.

In that industry, if you're going to have any chance of making a good return on capital over the long-term, you need to have scale because it's such a competitive industry and they have that in terms of logistics and distribution and huge numbers of stores. It's been heavily impacted by zero-Covid [policies]. They've not been able to open all their stores, so profits have been impacted in the last year or two, but we think that's temporary, that will phase out over time. Obviously, it's food rather than technology or security so,

the sensitivity of what they're doing is less than in other areas. It's been embroiled in this delisting issue that's happened recently because its main listing is in the US and they also have a listing in Hong Kong.

If there's a company that the Chinese government is willing to hand over audit information, which is what the controversy is about, it's likely to be this company because they're selling food, it's not sensitive. The other thing I really like about it is the fact that management have not only continued to invest, they accelerated their investment, their growth investment plans during this difficult period, which says to me that's a company that's confident in what they're doing, as opposed to just hanging on or cutting costs. So, I think that's a company that should be quite well positioned for a recovery in the end-market as hopefully, the Covid rules are eventually relaxed.

Jeremy Gordon:

As long as the Chinese government doesn't ban Pizza Hut!

CO	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications
NS	ccat : Corporate/Industrial News
RE	china : China	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
PUB	Citywire Financial Publishers Ltd.
AN	Document CWIRE00020220416ei4f00002

HD	**2Africa Deployment Underway with First Landing in Genoa, Italy**
WC	1,976 words
PD	14 April 2022
SN	M2 Presswire
SC	MTPW
LA	English
CY	© 2022, M2 Communications. All rights reserved.

LP

The 2Africa consortium, comprised of China Mobile International, Meta (www.Facebook.com), MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the first landing of the 2Africa **cable** - in Genoa, Italy. The landing sets the tone for more landings in the coming months as the **cable** is extended to a total of 46 locations by the completion of the project in 2024.

Announced in May 2020, the 2Africa subsea **cable** system together with its Pearls extension are designed to deliver seamless international **connectivity** to approximately 3 billion people, representing 36% of the global population and connecting three continents, Africa, Europe and Asia.

TD

At 45,000km, it will be the longest subsea cable ever deployed, serving communities that rely on the internet for services from education to healthcare and business, with all experiencing the economic and social benefits that come from this increased connectivity.

Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the cable directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa cable landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa cable landing station (CLS) directly to major CNDCs in Milan.

Good progress on the survey work and manufacturing continues with the 2Africa project remaining on track for completion in 2024.

Distributed by APO Group on behalf of Meta.

About China Mobile International Limited:

China Mobile International Limited (CMI) is a wholly-owned subsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of over 109T, and a total of 225 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data center cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 36 countries and regions. For more information, please visit www.CMI.ChinaMobile.com, or to connect with us on LinkedIn at: https://bit.ly/3jAA8do.

About Meta:

Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology.

About MTN GlobalConnect:

GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.GlobalConnect.solutions - www.MTN.com

About Orange:

Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 140,000 employees worldwide at 31 March 2021, including 80,000 employees in France. The Group has a total customer base of 262 million customers worldwide at 31 March 2021, including 217 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.Orange.com, www.Orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc:

With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit www.stc.com.sa; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt:

Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.TE.eg

For more information, contact: The investor relations team, Email: investor.relations@te.eg

About Vodafone:

Unique in its scale as the largest pan-European and African technology communications company, Vodafone transforms the way we live and work through its innovation, technology, connectivity, platforms, products and services. Vodafone operates mobile and fixed networks in 21 countries, and partners with mobile networks in 47 more. As of 31 December 2021, we had over 300m mobile customers, more than 28m fixed broadband customers and over 22m TV customers.

Vodafone is a world leader in the Internet of Things (IoT), connecting more than 142m devices and platforms through innovation that aligns with the aspirations of society for cleaner and safer cities, better transport and improved agriculture. Vodafone's digital leadership is also changing how governments deliver healthcare and education, and how businesses, particularly Small and Medium Enterprises (SMEs), serve customers.

We have revolutionised fintech in Africa through M-Pesa, which celebrates its 15th anniversary in 2022. It is the region's largest fintech platform, providing access to financial services for more than 51m people in a secure, affordable and convenient way.

Our purpose is to connect for a better future, enabling an inclusive and sustainable digital society. We are taking significant steps to reduce our impact on our planet by becoming net zero by 2040, purchasing 100% of our electricity from renewable sources in Europe and across our entire operations by 2025, and reusing, reselling or recycling 100% of our redundant network equipment. Vodafone proactively works to expand access to connectivity for rural communities, students and jobseekers. For more than 30 years, Vodafone's Foundation has supported communities in Europe and Africa in the areas of health, education, and equality.

We support diversity and inclusion through our maternity and parental leave policies, empowering women through connectivity and improving access to education and digital skills for women, girls, and society at large. We are respectful of all individuals, irrespective of race, ethnicity, disability, age, sexual orientation, gender identity, belief, culture or religion.

For more information, please visit www.Vodafone.com, follow us on Twitter at @VodafoneGroup or connect with us on LinkedIn at https://bit.ly/3vlHWoC.

About WIOCC:

WIOCC is building Africa's first, truly hyper-scale network infrastructure. With the ability to efficiently deliver 100Gbps capacity and an extensive investment programme to develop our pan-African solution even further, WIOCC is the natural partner for OTTs, content providers, telecom operators, and ISPs looking to take advantage of Africa's opportunities. The company utilises more than 55,000km of terrestrial fibre and in excess of 75,000km of submarine cable assets to offer affordable, reliable, managed connectivity to over 550 locations across 30 African countries. WIOCC's international reach extends to key commercial centres in Europe, Asia, and North America, providing a one-stop shop for fully-scalable international connectivity into, within, and out of Africa. Operating exclusively as a wholesaler, the company's focus is on putting you, our client, first. Building and maintaining strong, long-term relationships means WIOCC can develop bespoke solutions to meet your current requirements, with the flexibility to match future demands for growth and extra resilience and geographical expansion. You will find that only WIOCC has the depth of experience, local expertise, capacity, flexibility, and scalability to take you where you want to be. For more information, please visit www.WIOCC.net

About Alcatel Submarine Networks:

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 650,000 km of optical submarine systems deployed worldwide, enough to circumnavigate the globe 15 times. From traditional Telecom applications to Content and "Over The Top" Service Provider infrastructures, as well as to offshore Oil and Gas applications, ASN provides all elements of a turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive Services porLolio completes its comprehensive offering for the submarine business, including project management, installation and commissioning, along with marine and maintenance operations performed by ASN's fully owned fleet of cable ships. For more information, please visit www.web.ASN.com/en

((M2 Communications disclaims all liability for information provided within M2 PressWIRE. Data supplied by named party/parties. Further information on M2 PressWIRE can be obtained at http://www.m2.com on the world wide web. Inquiries to info@m2.com)).

CO   arege : Telecom Egypt | dgt : Orange SA | onlnfr : Meta Platforms Inc. | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services | iint : Online Service Providers | imed : Media/Entertainment | isocial : Social Media Platforms/Tools | itech : Technology

NS   npress : Press Releases | ncat : Content Types

RE   africaz : Africa | italy : Italy | ligur : Liguria | china : China | egypt : Egypt | fra : France | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eecz : European Union Countries | eurz : Europe | meastz : Middle East | medz : Mediterranean | nafrz : North Africa | wasiaz : Western Asia | weurz : Western Europe

PUB   Normans Media Ltd

AN   Document MTPW000020220418ei4e000gp

HD	**2Africa Deployment Underway with First Landing in Genoa, Italy**
WC	1,936 words
PD	14 April 2022
SN	Ventures Africa
SC	VENAF
LA	English
CY	© 2022, Ventures Africa, All rights Reserved - Provided by SyndiGate Media Inc.

LP

The 2Africa consortium, comprised of China Mobile International, Meta (www.Facebook.com), MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the first landing of the 2Africa cable – in Genoa, Italy. The landing sets the tone for more landings in the coming months as the cable is extended to a total of 46 locations by the completion of the project in 2024.

Announced in May 2020, the 2Africa subsea cable system together with its Pearls extension are designed to deliver seamless international connectivity to approximately 3 billion people, representing 36% of the global population and connecting three continents, Africa, Europe and Asia.

TD

At 45,000km, it will be the longest subsea cable ever deployed, serving communities that rely on the internet for services from education to healthcare and business, with all experiencing the economic and social benefits that come from this increased connectivity.

Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the cable directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa cable landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa cable landing station (CLS) directly to major CNDCs in Milan.

Good progress on the survey work and manufacturing continues with the 2Africa project remaining on track for completion in 2024.

Distributed by APO Group on behalf of Meta.

About China Mobile International Limited:

China Mobile International Limited (CMI) is a wholly-owned subsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of over 109T, and a total of 225 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data center cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 36 countries and regions. For more information, please visit www.CMI.ChinaMobile.com, or to connect with us on LinkedIn at: http://bit.ly/3jAA8do.

About Meta:

Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology.

About MTN GlobalConnect:

GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.GlobalConnect.solutions – www.MTN.com

About Orange:

Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 140,000 employees worldwide at 31 March 2021, including 80,000 employees in France. The Group has a total customer base of 262 million customers worldwide at 31 March 2021, including 217 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.Orange.com, www.Orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc:

With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit www.stc.com.sa ; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt:

Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.TE.eg

For more information, contact: The investor relations team, Email:

About Vodafone:

Unique in its scale as the largest pan-European and African technology communications company, Vodafone transforms the way we live and work through its innovation, technology, connectivity, platforms, products and services. Vodafone operates mobile and fixed networks in 21 countries, and partners with

mobile networks in 47 more. As of 31 December 2021, we had over 300m mobile customers, more than 28m fixed broadband customers and over 22m TV customers.

Vodafone is a world leader in the Internet of Things (IoT), connecting more than 142m devices and platforms through innovation that aligns with the aspirations of society for cleaner and safer cities, better transport and improved agriculture. Vodafone's digital leadership is also changing how governments deliver healthcare and education, and how businesses, particularly Small and Medium Enterprises (SMEs), serve customers.

We have revolutionised fintech in Africa through M-Pesa, which celebrates its 15th anniversary in 2022. It is the region's largest fintech platform, providing access to financial services for more than 51m people in a secure, affordable and convenient way.

Our purpose is to connect for a better future, enabling an inclusive and sustainable digital society. We are taking significant steps to reduce our impact on our planet by becoming net zero by 2040, purchasing 100% of our electricity from renewable sources in Europe and across our entire operations by 2025, and reusing, reselling or recycling 100% of our redundant network equipment. Vodafone proactively works to expand access to connectivity for rural communities, students and jobseekers. For more than 30 years, Vodafone's Foundation has supported communities in Europe and Africa in the areas of health, education, and equality.

We support diversity and inclusion through our maternity and parental leave policies, empowering women through connectivity and improving access to education and digital skills for women, girls, and society at large. We are respectful of all individuals, irrespective of race, ethnicity, disability, age, sexual orientation, gender identity, belief, culture or religion.

For more information, please visit www.Vodafone.com, follow us on Twitter at @VodafoneGroup or connect with us on LinkedIn at http://bit.ly/3vlHWoC.

About WIOCC:

WIOCC is building Africa's first, truly hyper-scale network infrastructure. With the ability to efficiently deliver 100Gbps capacity and an extensive investment programme to develop our pan-African solution even further, WIOCC is the natural partner for OTTs, content providers, telecom operators, and ISPs looking to take advantage of Africa's opportunities. The company utilises more than 55,000km of terrestrial fibre and in excess of 75,000km of submarine cable assets to offer affordable, reliable, managed connectivity to over 550 locations across 30 African countries. WIOCC's international reach extends to key commercial centres in Europe, Asia, and North America, providing a one-stop shop for fully-scalable international connectivity into, within, and out of Africa. Operating exclusively as a wholesaler, the company's focus is on putting you, our client, first. Building and maintaining strong, long-term relationships means WIOCC can develop bespoke solutions to meet your current requirements, with the flexibility to match future demands for growth and extra resilience and geographical expansion. You will find that only WIOCC has the depth of experience, local expertise, capacity, flexibility, and scalability to take you where you want to be. For more information, please visit www.WIOCC.net

About Alcatel Submarine Networks:

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 650,000 km of optical submarine systems deployed worldwide, enough to circumnavigate the globe 15 times. From traditional Telecom applications to Content and "Over The Top" Service Provider infrastructures, as well as to offshore Oil and Gas applications, ASN provides all elements of a turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive Services porLolio completes its comprehensive offering for the submarine business, including project management, installation and commissioning, along with marine and maintenance operations performed by ASN's fully owned fleet of cable ships. For more information, please visit www.web.ASN.com/en

Media files

Click here

Download logo

CO arege : Telecom Egypt | dgt : Orange SA | onlnfr : Meta Platforms Inc. | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services | iint : Online Service Providers | imed : Media/Entertainment | isocial : Social Media Platforms/Tools | itech : Technology

RE africaz : Africa | italy : Italy | ligur : Liguria | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | weurz : Western Europe

IPD APO AFRICA

PUB Ventures Africa

AN Document VENAF00020220416ei4e0000b

HD	**2Africa makes first landing in Genoa**
WC	342 words
PD	14 April 2022
SN	Optical Networks Daily
SC	OBSERV
LA	English
CY	
LP	

The first landing of the 2Africa **cable** was completed in Genoa, Italy. Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the **cable** directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa **cable** landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet **ecosystem**.Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa **cable** landing station (CLS) directly to major CNDCs in Milan.

At 45,000km, 2Africa is expected to be the longest subsea **cable** ever deployed. A total of 46 **cable** landing locations are envisioned for the project before completion in 2024.

TD

The 2Africa consortium, comprised of China Mobile International, Meta, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC

Equinix and Vodafone to build subsea hub in Genoa for 2Africa cable

Thursday, February 25, 2021 Africa, Equinix, Italy, Subsea

Equinix and Vodafone announced a plan to build a new subsea hub in Genoa, called GN1, to serve as a strategic interconnection point for the 2Africa cable system.2Africa is a consortium cable project backed by China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC. At 37,000km long, 2Africa will be one of the world's largest subsea cable projects and will interconnect Europe (eastward via Egypt), the...

READ MORE

2Africa subsea cable boasts design capacity up to 180 Tbps

Thursday, May 14, 2020 Africa, ASN, Egypt, Facebook, Submarine Cable, Subsea, Telecom Egypt

2Africa, a new subsea cable to serve the African continent and Middle East region, promises to deliver more than the total combined capacity of all subsea cables serving Africa today, with a design capacity of up to 180Tbps on key parts of the system. Consortium partners include China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC. Alcatel Submarine Networks (ASN) has been selected to build...

READ MORE

CO	arege : Telecom Egypt | dgt : Orange SA | eqnxin : Equinix Inc | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services | iint : Online Service Providers | itech : Technology
NS	cpartn : Partnerships/Collaborations | ccat : Corporate/Industrial News
RE	africaz : Africa | italy : Italy | ligur : Liguria | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | weurz : Western Europe

IPD Subsea

PUB Electronics International

AN Document OBSERV0020220415ei4e00005

HD	**2Africa Deployment Underway with First Landing in Genoa, Italy; Highly Anticipated Subsea Cable System Set to Connect 3 Billion People Upon Completion**
WC	1,948 words
PD	14 April 2022
ET	18:38
SN	African Press Organization
SC	APOENG
LA	English
CY	© 2022 African Press Organization, All Rights Reserved

LP

The 2Africa consortium, comprised of China Mobile International, Meta (www.Facebook.com), MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the first landing of the 2Africa cable - in Genoa, Italy. The landing sets the tone for more landings in the coming months as the cable is extended to a total of 46 locations by the completion of the project in 2024.

Announced in May 2020, the 2Africa subsea cable system together with its Pearls extension are designed to deliver seamless international connectivity to approximately 3 billion people, representing 36% of the global population and connecting three continents, Africa, Europe and Asia.

TD

At 45,000km, it will be the longest subsea cable ever deployed, serving communities that rely on the internet for services from education to healthcare and business, with all experiencing the economic and social benefits that come from this increased connectivity.

Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the cable directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa cable landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa cable landing station (CLS) directly to major CNDCs in Milan.

Good progress on the survey work and manufacturing continues with the 2Africa project remaining on track for completion in 2024.

Distributed by APO Group on behalf of Meta.

About China Mobile International Limited: China Mobile International Limited (CMI) is a wholly-owned subsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of over 109T, and a total of 225 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data center cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 36 countries and regions. For more information, please visit www.CMI.ChinaMobile.com, or to connect with us on LinkedIn at: https://bit.ly/3jAA8do.

About Meta: Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology.

About MTN GlobalConnect: GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.GlobalConnect.solutions - www.MTN.com

About Orange: Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 140,000 employees worldwide at 31 March 2021, including 80,000 employees in France. The Group has a total customer base of 262 million customers worldwide at 31 March 2021, including 217 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.Orange.com, www.Orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc: With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit www.stc.com.sa; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt: Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.TE.eg

For more information, contact: The investor relations team, Email: investor.relations@te.eg

About Vodafone: Unique in its scale as the largest pan-European and African technology communications company, Vodafone transforms the way we live and work through its innovation, technology, connectivity, platforms, products and services. Vodafone operates mobile and fixed networks in 21 countries, and partners with mobile networks in 47 more. As of 31 December 2021, we had over 300m mobile customers, more than 28m fixed broadband customers and over 22m TV customers.

Vodafone is a world leader in the Internet of Things (IoT), connecting more than 142m devices and platforms through innovation that aligns with the aspirations of society for cleaner and safer cities, better

transport and improved agriculture. Vodafone's digital leadership is also changing how governments deliver healthcare and education, and how businesses, particularly Small and Medium Enterprises (SMEs), serve customers.

We have revolutionised fintech in Africa through M-Pesa, which celebrates its 15th anniversary in 2022. It is the region's largest fintech platform, providing access to financial services for more than 51m people in a secure, affordable and convenient way.

Our purpose is to connect for a better future, enabling an inclusive and sustainable digital society. We are taking significant steps to reduce our impact on our planet by becoming net zero by 2040, purchasing 100% of our electricity from renewable sources in Europe and across our entire operations by 2025, and reusing, reselling or recycling 100% of our redundant network equipment. Vodafone proactively works to expand access to connectivity for rural communities, students and jobseekers. For more than 30 years, Vodafone's Foundation has supported communities in Europe and Africa in the areas of health, education, and equality.

We support diversity and inclusion through our maternity and parental leave policies, empowering women through connectivity and improving access to education and digital skills for women, girls, and society at large. We are respectful of all individuals, irrespective of race, ethnicity, disability, age, sexual orientation, gender identity, belief, culture or religion.

For more information, please visit www.Vodafone.com, follow us on Twitter at @VodafoneGroup or connect with us on LinkedIn at https://bit.ly/3vlHWoC.

About WIOCC: WIOCC is building Africa's first, truly hyper-scale network infrastructure. With the ability to efficiently deliver 100Gbps capacity and an extensive investment programme to develop our pan-African solution even further, WIOCC is the natural partner for OTTs, content providers, telecom operators, and ISPs looking to take advantage of Africa's opportunities. The company utilises more than 55,000km of terrestrial fibre and in excess of 75,000km of submarine cable assets to offer affordable, reliable, managed connectivity to over 550 locations across 30 African countries. WIOCC's international reach extends to key commercial centres in Europe, Asia, and North America, providing a one-stop shop for fully-scalable international connectivity into, within, and out of Africa. Operating exclusively as a wholesaler, the company's focus is on putting you, our client, first. Building and maintaining strong, long-term relationships means WIOCC can develop bespoke solutions to meet your current requirements, with the flexibility to match future demands for growth and extra resilience and geographical expansion. You will find that only WIOCC has the depth of experience, local expertise, capacity, flexibility, and scalability to take you where you want to be. For more information, please visit www.WIOCC.net

About Alcatel Submarine Networks: Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 650,000 km of optical submarine systems deployed worldwide, enough to circumnavigate the globe 15 times. From traditional Telecom applications to Content and "Over The Top" Service Provider infrastructures, as well as to offshore Oil and Gas applications, ASN provides all elements of a turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive Services porLolio completes its comprehensive offering for the submarine business, including project management, installation and commissioning, along with marine and maintenance operations performed by ASN's fully owned fleet of cable ships. For more information, please visit www.web.ASN.com/en

HD **2Africa Deployment Underway with First Landing in Genoa, Italy**

CR 2Africa; Canada NewsWire

WC 1,981 words

PD 14 April 2022

ET 17:00

SN Canada NewsWire

SC CNNW

LA English

CY Copyright © 2022 Canada NewsWire Ltd. All rights reserved.

LP

Highly Anticipated Subsea **Cable** System Set to Connect 3 Billion People Upon Completion

GENOA, Italy, April 14, 2022 /CNW/ -- The 2Africa consortium, comprised of China Mobile International, Meta, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the first landing of the 2Africa **cable** - in Genoa, Italy. The landing sets the tone for more landings in the coming months as the **cable** is extended to a total of 46 locations by the completion of the project in 2024.

TD

Announced in May 2020, the 2Africa subsea cable system together with its Pearls extension are designed to deliver seamless international connectivity to approximately 3 billion people, representing 36% of the global population and connecting three continents, Africa, Europe and Asia.

At 45,000km, it will be the longest subsea cable ever deployed, serving communities that rely on the internet for services from education to healthcare and business, with all experiencing the economic and social benefits that come from this increased connectivity.

Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the cable directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa cable landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa cable landing station (CLS) directly to major CNDCs in Milan.

Good progress on the survey work and manufacturing continues with the 2Africa project remaining on track for completion in 2024.

About China Mobile International Limited

China Mobile International Limited (CMI) is a wholly-owned subsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of over 109T, and a total of 225 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data center cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 36 countries and regions. For more information, please visit www.cmi.chinamobile.com, or to connect with us on LinkedIn at: https://www.linkedin.com/company/china-mobile-international-limited.

About Meta

Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and

WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology.

About MTN GlobalConnect

GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.globalconnect.solutions - https://www.mtn.com

About Orange

Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 140,000 employees worldwide at 31 March 2021, including 80,000 employees in France. The Group has a total customer base of 262 million customers worldwide at 31 March 2021, including 217 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.orange.com, www.orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc

With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit https://www.stc.com.sa ; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt

Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.te.eg

For more information, contact: The investor relations team, Email: investor.relations@te.eg

About Vodafone

Unique in its scale as the largest pan-European and African technology communications company, Vodafone transforms the way we live and work through its innovation, technology, connectivity, platforms, products and services. Vodafone operates mobile and fixed networks in 21 countries, and partners with mobile networks in 47 more. As of 31 December 2021, we had over 300m mobile customers, more than 28m fixed broadband customers and over 22m TV customers.

Vodafone is a world leader in the Internet of Things (IoT), connecting more than 142m devices and platforms through innovation that aligns with the aspirations of society for cleaner and safer cities, better transport and improved agriculture. Vodafone's digital leadership is also changing how governments deliver healthcare and education, and how businesses, particularly Small and Medium Enterprises (SMEs), serve customers.

We have revolutionised fintech in Africa through M-Pesa, which celebrates its 15th anniversary in 2022. It is the region's largest fintech platform, providing access to financial services for more than 51m people in a secure, affordable and convenient way.

Our purpose is to connect for a better future, enabling an inclusive and sustainable digital society. We are taking significant steps to reduce our impact on our planet by becoming net zero by 2040, purchasing 100% of our electricity from renewable sources in Europe and across our entire operations by 2025, and reusing, reselling or recycling 100% of our redundant network equipment. Vodafone proactively works to expand access to connectivity for rural communities, students and jobseekers. For more than 30 years, Vodafone's Foundation has supported communities in Europe and Africa in the areas of health, education, and equality.

We support diversity and inclusion through our maternity and parental leave policies, empowering women through connectivity and improving access to education and digital skills for women, girls, and society at large. We are respectful of all individuals, irrespective of race, ethnicity, disability, age, sexual orientation, gender identity, belief, culture or religion.

For more information, please visit www.vodafone.com, follow us on Twitter at @VodafoneGroup or connect with us on LinkedIn at www.linkedin.com/company/vodafone.

About WIOCC

WIOCC is building Africa's first, truly hyper-scale network infrastructure. With the ability to efficiently deliver 100Gbps capacity and an extensive investment programme to develop our pan-African solution even further, WIOCC is the natural partner for OTTs, content providers, telecom operators, and ISPs looking to take advantage of Africa's opportunities. The company utilises more than 55,000km of terrestrial fibre and in excess of 75,000km of submarine cable assets to offer affordable, reliable, managed connectivity to over 550 locations across 30 African countries. WIOCC's international reach extends to key commercial centres in Europe, Asia, and North America, providing a one-stop shop for fully-scalable international connectivity into, within, and out of Africa. Operating exclusively as a wholesaler, the company's focus is on putting you, our client, first. Building and maintaining strong, long-term relationships means WIOCC can develop bespoke solutions to meet your current requirements, with the flexibility to match future demands for growth and extra resilience and geographical expansion. You will find that only WIOCC has the depth of experience, local expertise, capacity, flexibility, and scalability to take you where you want to be. For more information, please visit http://wiocc.net/.

About Alcatel Submarine Networks

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 650,000 km of optical submarine systems deployed worldwide, enough to circumnavigate the globe 15 times. From traditional Telecom applications to Content and "Over The Top" Service Provider infrastructures, as well as to offshore Oil and Gas applications, ASN provides all elements of a turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive Services porLolio completes its comprehensive offering for the submarine business, including project management, installation and commissioning, along with marine and maintenance operations performed by ASN's fully owned fleet of cable ships. For more information, please visit https://web.asn.com/en/.

View original content to download multimedia:
https://www.prnewswire.com/news-releases/2africa-deployment-underway-with-first-landing-in-genoa-italy-301525978.html

SOURCE 2Africa

RF 202204141200CANADANWCANADAPR_C6667

CO arege : Telecom Egypt | dgt : Orange SA | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services

NS npress : Press Releases | ccat : Corporate/Industrial News | ncat : Content Types

RE africaz : Africa | italy : Italy | ligur : Liguria | czrep : Czech Republic | greece : Greece | ire : Ireland | lux : Luxembourg | norw : Norway | porl : Portugal | russ : Russia | switz : Switzerland | asiaz : Asia | balkz : Balkan States | benluxz : Benelux Countries | bric : BRICS Countries | dach : DACH Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | eecz : European Union Countries | eeurz : Central/Eastern Europe | eurz : Europe | medz : Mediterranean | nordz : Nordic Countries | scandz : Scandinavia | ussrz : CIS Countries | weurz : Western Europe

IPD 2Africa-deplyment

PUB PR Newswire Association, Inc.

AN Document CNNW000020220414ei4e005hd

HD	**2Africa Deployment Underway with First Landing in Genoa, Italy**
CR	2Africa; PR Newswire
WC	1,970 words
PD	14 April 2022
ET	17:00
SN	PR Newswire Europe
SC	TWOTEN
LA	English
CY	Copyright © 2022 PR Newswire Europe Limited. All Rights Reserved.

LP

Highly Anticipated Subsea Cable System Set to Connect 3 Billion People Upon Completion

GENOA, Italy, April 14, 2022 /PRNewswire/ -- The 2Africa consortium, comprised of China Mobile International, Meta, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the first landing of the 2Africa cable - in Genoa, Italy. The landing sets the tone for more landings in the coming months as the cable is extended to a total of 46 locations by the completion of the project in 2024.

TD

Announced in May 2020, the 2Africa subsea cable system together with its Pearls extension are designed to deliver seamless international connectivity to approximately 3 billion people, representing 36% of the global population and connecting three continents, Africa, Europe and Asia.

At 45,000km, it will be the longest subsea cable ever deployed, serving communities that rely on the internet for services from education to healthcare and business, with all experiencing the economic and social benefits that come from this increased connectivity.

Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the cable directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa cable landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa cable landing station (CLS) directly to major CNDCs in Milan.

Good progress on the survey work and manufacturing continues with the 2Africa project remaining on track for completion in 2024.

About China Mobile International Limited

China Mobile International Limited (CMI) is a wholly-owned subsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of over 109T, and a total of 225 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data center cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 36 countries and regions. For more information, please visit www.cmi.chinamobile.com, or to connect with us on LinkedIn at: https://www.linkedin.com/company/china-mobile-international-limited.

About Meta

Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology.

About MTN GlobalConnect

GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.globalconnect.solutions - https://www.mtn.com

About Orange

Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 140,000 employees worldwide at 31 March 2021, including 80,000 employees in France. The Group has a total customer base of 262 million customers worldwide at 31 March 2021, including 217 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.orange.com, www.orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc

With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit https://www.stc.com.sa ; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt

Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.te.eg

For more information, contact: The investor relations team, Email: investor.relations@te.eg

About Vodafone

Unique in its scale as the largest pan-European and African technology communications company, Vodafone transforms the way we live and work through its innovation, technology, connectivity, platforms, products and services. Vodafone operates mobile and fixed networks in 21 countries, and partners with mobile networks in 47 more. As of 31 December 2021, we had over 300m mobile customers, more than 28m fixed broadband customers and over 22m TV customers.

Vodafone is a world leader in the Internet of Things (IoT), connecting more than 142m devices and platforms through innovation that aligns with the aspirations of society for cleaner and safer cities, better transport and improved agriculture. Vodafone's digital leadership is also changing how governments deliver healthcare and education, and how businesses, particularly Small and Medium Enterprises (SMEs), serve customers.

We have revolutionised fintech in Africa through M-Pesa, which celebrates its 15th anniversary in 2022. It is the region's largest fintech platform, providing access to financial services for more than 51m people in a secure, affordable and convenient way.

Our purpose is to connect for a better future, enabling an inclusive and sustainable digital society. We are taking significant steps to reduce our impact on our planet by becoming net zero by 2040, purchasing 100% of our electricity from renewable sources in Europe and across our entire operations by 2025, and reusing, reselling or recycling 100% of our redundant network equipment. Vodafone proactively works to expand access to connectivity for rural communities, students and jobseekers. For more than 30 years, Vodafone's Foundation has supported communities in Europe and Africa in the areas of health, education, and equality.

We support diversity and inclusion through our maternity and parental leave policies, empowering women through connectivity and improving access to education and digital skills for women, girls, and society at large. We are respectful of all individuals, irrespective of race, ethnicity, disability, age, sexual orientation, gender identity, belief, culture or religion.

For more information, please visit www.vodafone.com, follow us on Twitter at @VodafoneGroup or connect with us on LinkedIn at www.linkedin.com/company/vodafone.

About WIOCC

WIOCC is building Africa's first, truly hyper-scale network infrastructure. With the ability to efficiently deliver 100Gbps capacity and an extensive investment programme to develop our pan-African solution even further, WIOCC is the natural partner for OTTs, content providers, telecom operators, and ISPs looking to take advantage of Africa's opportunities. The company utilises more than 55,000km of terrestrial fibre and in excess of 75,000km of submarine cable assets to offer affordable, reliable, managed connectivity to over 550 locations across 30 African countries. WIOCC's international reach extends to key commercial centres in Europe, Asia, and North America, providing a one-stop shop for fully-scalable international connectivity into, within, and out of Africa. Operating exclusively as a wholesaler, the company's focus is on putting you, our client, first. Building and maintaining strong, long-term relationships means WIOCC can develop bespoke solutions to meet your current requirements, with the flexibility to match future demands for growth and extra resilience and geographical expansion. You will find that only WIOCC has the depth of experience, local expertise, capacity, flexibility, and scalability to take you where you want to be. For more information, please visit http://wiocc.net/.

About Alcatel Submarine Networks

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 650,000 km of optical submarine systems deployed worldwide, enough to circumnavigate the globe 15 times. From traditional Telecom applications to Content and "Over The Top" Service Provider infrastructures, as well as to offshore Oil and Gas applications, ASN provides all elements of a turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive Services porLolio completes its comprehensive offering for the submarine business, including project management, installation and commissioning, along with marine and maintenance operations performed by ASN's fully owned fleet of cable ships. For more information, please visit https://web.asn.com/en/.

Photo - https://mma.prnewswire.com/media/1797382/2Africa_Genoa_Deployment.jpg

RF   202204141200PR_NEWS_EURO_ND__EN25149

CO	arege : Telecom Egypt | dgt : Orange SA | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services
NS	ccat : Corporate/Industrial News | npress : Press Releases | ncat : Content Types
RE	africaz : Africa | italy : Italy | ligur : Liguria | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | weurz : Western Europe
IPD	2Africa-Landing-Italy
PUB	PR Newswire Association, Inc.
AN	Document TWOTEN0020220414ei4e005xx

PR Newswire
a CISION company

HD   **(PR) 2Africa Deployment Underway with First Landing in Genoa, Italy**

WC   1,988 words

PD   14 April 2022

ET   17:00

SN   PR Newswire

SC   PRN

LA   English

LP

Highly Anticipated Subsea ==Cable== System Set to Connect 3 Billion People Upon Completion

GENOA, Italy, April 14, 2022 /PRNewswire/ -- The 2Africa consortium, comprised of China Mobile International, Meta, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the first landing of the 2Africa ==cable== - in Genoa, Italy. The landing sets the tone for more landings in the coming months as the ==cable== is extended to a total of 46 locations by the completion of the project in 2024.

TD

Announced in May 2020, the 2Africa subsea cable system together with its Pearls extension are designed to deliver seamless international connectivity to approximately 3 billion people, representing 36% of the global population and connecting three continents, Africa, Europe and Asia.

At 45,000km, it will be the longest subsea cable ever deployed, serving communities that rely on the internet for services from education to healthcare and business, with all experiencing the economic and social benefits that come from this increased connectivity.

Vodafone, the 2Africa landing party in Genoa, has partnered with Equinix to land the cable directly into the Equinix Carrier Neutral Data Center (CNDC), with Retelit delivering the fronthaul. As with all 2Africa cable landings, capacity will be available to service providers in Genoa on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Working with a local Italian operator, 2Africa has also developed a new terrestrial route connecting the Genoa cable landing station (CLS) directly to major CNDCs in Milan.

Good progress on the survey work and manufacturing continues with the 2Africa project remaining on track for completion in 2024.

About China Mobile International Limited

China Mobile International Limited (CMI) is a wholly-owned subsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of over 109T, and a total of 225 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data center cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 36 countries and regions. For more information, please visit www.cmi.chinamobile.com, or to connect with us on LinkedIn at: https://www.linkedin.com/company/china-mobile-international-limited.

About Meta

Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and

WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology.

About MTN GlobalConnect

GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.globalconnect.solutions - https://www.mtn.com

About Orange

Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 140,000 employees worldwide at 31 March 2021, including 80,000 employees in France. The Group has a total customer base of 262 million customers worldwide at 31 March 2021, including 217 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.orange.com, www.orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc

With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit https://www.stc.com.sa; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt

Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.te.eg

For more information, contact: The investor relations team, Email: investor.relations@te.eg

About Vodafone

Unique in its scale as the largest pan-European and African technology communications company, Vodafone transforms the way we live and work through its innovation, technology, connectivity, platforms, products and services. Vodafone operates mobile and fixed networks in 21 countries, and partners with mobile networks in 47 more. As of 31 December 2021, we had over 300m mobile customers, more than 28m fixed broadband customers and over 22m TV customers.

Vodafone is a world leader in the Internet of Things (IoT), connecting more than 142m devices and platforms through innovation that aligns with the aspirations of society for cleaner and safer cities, better transport and improved agriculture. Vodafone's digital leadership is also changing how governments deliver healthcare and education, and how businesses, particularly Small and Medium Enterprises (SMEs), serve customers.

We have revolutionised fintech in Africa through M-Pesa, which celebrates its 15th anniversary in 2022. It is the region's largest fintech platform, providing access to financial services for more than 51m people in a secure, affordable and convenient way.

Our purpose is to connect for a better future, enabling an inclusive and sustainable digital society. We are taking significant steps to reduce our impact on our planet by becoming net zero by 2040, purchasing 100% of our electricity from renewable sources in Europe and across our entire operations by 2025, and reusing, reselling or recycling 100% of our redundant network equipment. Vodafone proactively works to expand access to connectivity for rural communities, students and jobseekers. For more than 30 years, Vodafone's Foundation has supported communities in Europe and Africa in the areas of health, education, and equality.

(MORE TO FOLLOW)

(PR) 2Africa Deployment Underway with First -2-

We support diversity and inclusion through our maternity and parental leave policies, empowering women through connectivity and improving access to education and digital skills for women, girls, and society at large. We are respectful of all individuals, irrespective of race, ethnicity, disability, age, sexual orientation, gender identity, belief, culture or religion.

For more information, please visit www.vodafone.com, follow us on Twitter at @VodafoneGroup or connect with us on LinkedIn at www.linkedin.com/company/vodafone.

About WIOCC

WIOCC is building Africa's first, truly hyper-scale network infrastructure. With the ability to efficiently deliver 100Gbps capacity and an extensive investment programme to develop our pan-African solution even further, WIOCC is the natural partner for OTTs, content providers, telecom operators, and ISPs looking to take advantage of Africa's opportunities. The company utilises more than 55,000km of terrestrial fibre and in excess of 75,000km of submarine cable assets to offer affordable, reliable, managed connectivity to over 550 locations across 30 African countries. WIOCC's international reach extends to key commercial centres in Europe, Asia, and North America, providing a one-stop shop for fully-scalable international connectivity into, within, and out of Africa. Operating exclusively as a wholesaler, the company's focus is on putting you, our client, first. Building and maintaining strong, long-term relationships means WIOCC can develop bespoke solutions to meet your current requirements, with the flexibility to match future demands for growth and extra resilience and geographical expansion. You will find that only WIOCC has the depth of experience, local expertise, capacity, flexibility, and scalability to take you where you want to be. For more information, please visit http://wiocc.net/.

About Alcatel Submarine Networks

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 650,000 km of optical submarine systems deployed worldwide, enough to circumnavigate the globe 15 times. From traditional Telecom applications to Content and "Over The Top" Service Provider infrastructures, as well as to offshore Oil and Gas applications, ASN provides all elements of a turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive Services porLolio completes its comprehensive offering for the submarine business, including project management, installation and commissioning, along with marine and maintenance operations performed by ASN's fully owned fleet of cable ships. For more information, please visit https://web.asn.com/en/.

View original content to download
multimedia:

https://www.prnewswire.com/news-releases/2africa-deployment-underway-with-first-landing-in-genoa-italy-301525978.html

SOURCE 2Africa

(END)

CO   arege : Telecom Egypt | dgt : Orange SA | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services

NS   npress : Press Releases | ncat : Content Types

RE   africaz : Africa | italy : Italy | ligur : Liguria | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | weurz : Western Europe

PUB PR Newswire Association, Inc.

AN   Document PRN0000020220414ei4e000mc

HD	**China accelerates new infrastructure construction to unleash vitality of digital economy**
WC	925 words
PD	8 April 2022
SN	Xinhua Silk Road Information Service
SC	XHSILK
LA	English
CY	Copyright N.C.N Limited of Xinhua News Agency 2022, All Rights Reserved

LP

A worker maintains equipment at China Mobile's data center in a cloud computing base in Zhongwei City, northwest China's Ningxia Hui Autonomous Region, May 31, 2019. (Xinhua/Wang Peng)

BEIJING, April 8 (Xinhua) -- China is seeing the bustling construction of a number of data centers and 5G projects, as central and local governments are speeding up deploying new infrastructure.

TD

The move is not only a key measure to stabilize economic fundamentals, but also an investment targeting long-term growth and the transformation of economic development mode, according to industry insiders.

China will continue developing new infrastructure in advance and expand application scenarios to keep releasing the vitality of digital economy.

-- Projects under construction

In the China Unicom (Huailai) innovation industrial park located in Huailai County of Zhangjiakou City in north China's Hebei Province, a supersized data center that can accommodate 22,500 standard cabinets is being constructed.

Staff members are moving on faster to ensure the principal part of the project can be delivered by the end of June, said an executive of China Unicom, one of China's leading telecom operators, adding that upon completion, the data center will provide computing services for industrial internet companies, financial securities enterprises, etc. in the Beijing-Tianjin-Hebei region.

In Zhongwei City of Ningxia Hui Autonomous Region in northwest China, construction of the phase II of the data center project of China Mobile, another telecom giant in China, has been fully unfolded, with a capacity of more than 3,000 racks on completion.

China Mobile will invest 334 million yuan in the data center in three years to improve intelligent application of data in various industries, Duan Li, executive of the computing network operation center of China Mobile in Ningxia.

China is also witnessing an accelerated application of new infrastructure. There are more than 2,000 5G + industrial internet projects under construction across the country, with new digital formats and models such as smart mining, smart transportation, smart greenhouse and telemedicine emerging one after another.

The popularity of new infrastructure can also be seen in the development plan for 2022 of many places. More than 20 provinces, autonomous regions and municipalities including Shandong and Guangdong have specified the development plans of 5G network, industrial internet and data center in 2022.

-- Promoting healthy development of digital economy

The reason why China endeavors to promote construction of new infrastructure such as 5G network, artificial intelligence, and big data is to propel the healthy development of digital economy.

Although economic development is facing downward pressure, digital economy as a whole is still relatively robust, said He Baohong, director of cloud computing and big data institute of China Academy of Information and Communications Technology (CAICT), adding that in the first two months, the

production index of information transmission, software and information technology services increased by 16.3 percent year on year, indicating the urgent demand of economic development for digital infrastructure.

He said that new infrastructure represented by 5G and data center is the base and cornerstone for the development of digital economy. Building a solid digital foundation will help further release the potential of digital economy in boosting consumer demand, expanding foreign trade and stimulating effective investment.

The role of new infrastructure in driving economy can be reflected by data from the CAICT. For example, the total economic output indirectly driven by the commercial use of 5G in China is expected to amount to 24.8 trillion yuan from 2020 to 2025, according to a research by CAICT.

Looking ahead, Zhang Zhiqian, director of the investment research institute of China Jianyin Investment Ltd., said that with 5G, industrial internet and other next generation information technologies fully embedded in all fields of economic development, new infrastructure will transform technologies into productivity and then to growth engine, further driving industrial transformation and upgrading.

-- Deployment in advance

Multiple departments have taken a series of measures to deploy new infrastructure in advance.

The Ministry of Industry and Information Technology has made it clear that efforts will be made to build more 5G base stations this year, with application scenarios enriched.

The National Development and Reform Commission proposed to accelerate the construction of 10 national data center clusters.

Meanwhile, local governments also roll out preferential policy packages regarding capital, land use and other resource elements for new infrastructure construction.

For example, Shanghai will make good use of more than 100 billion yuan of new infrastructure credit at preferential interest rate to guide social capital to increase investment in new infrastructure, while southwest China's Yunnan Province will coordinate the implementation of preferential policies concerning land use for information and communication infrastructure as well as power consumption for data centers and 5G network.

To seize opportunities brought by the development of digital economy, priority will be given to the application of new infrastructure. For instance, the MIIT will focus on promoting the use of 5G in 15 industries in three areas of information consumption, real economy and people's livelihood services during the 14th Five-Year Plan period from 2021 to 2025.

Some industry insiders call for new paths to spur vitality of digital economy. He Baohong said that efforts need to be made to further guide the whole society and all industries to strengthen the application of 5G and industrial internet, with focus on promoting the transformation and upgrading of traditional industries and improving production and operation efficiency. (Edited by Su Dan with Xinhua Silk Road, sudan@xinhua.org)

CO	lianto : China Unicom (Hong Kong) Ltd | cthkng : China Mobile Limited | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp
IN	idcent : Data Centers/Colocation Services | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i8394 : Computer Services | ibcs : Business/Consumer Services | idserv : Data Services
NS	ccat : Corporate/Industrial News
RE	china : China | ningx : Ningxia | easiaz : Eastern Asia | chinaz : Greater China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
PUB	N.C.N. Limited of Xinhua News Agency
AN	Document XHSILK0020220408ei480000b

SE	Metro
HD	**Network connections improve in makeshift hospitals**
BY	Zhu Shenshen
WC	281 words
PD	4 April 2022
ET	12:44
SN	Shanghai Daily Online
SC	SHNDOL
LA	English
CY	Copyright Shanghai Daily

LP

Mobile communications and Wi-Fi connections are going to turn faster and better in Shanghais makeshift hospitals, telecommunications carriers said on Monday.Network construction and upgrade works have been conducting in big makeshift hospitals in Shanghai. The network services cover 4G, 5G, Wi-Fi, <mark>cable</mark>, nucleic acid test network and other medical needs, said local branches of China Mobile and China Telecom. The networks can meet the demands of wide coverage of 4G/5G, fixed-line phone lines at separate rooms, 1,500 people surfing online at the same time and service robot operation, which require both high bandwidth and low latency. The sites include makeshift hospitals reconstructed from a sports hall in Minhang District, Shanghai World Expo Exhibition & Convention Center, Shanghai New International Expo Center and a newly constructed one in Lingang.

TD

On Douyin, the Chinese version of TikTok, vloggers are broadcasting centralized quarantine life in the Shanghai New International Expo Center. It means that network has greatly improved in the exhibition center in the Pudong New Area.In a Minhang makeshift hospital, the peak 5G download speed hit 1.5Gbps (gigabyte per second), faster than normal family broadband speed.The network construction and upgrade in a Lingang makeshift hospital, which can hold 25,000 beds with a space of 150,000 square meters, will finish on Monday or Tuesday, carriers said.More than 500 China Telecom employees are working in the site of Lingang to construct a network for complicated telecommunications demands.The Lingang sites network construction will be completed within 10 days until Tuesday, compared with at least one month normally, China Mobile said.

[*Click Here to View Image*](#)

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i5010024 : Hospital Construction | iwrlssl : Wireless Area Network Technology | i3302 : Computers/Consumer Electronics | i3303 : Networking | i501 : Building Construction | i5010023 : Non-residential Building Construction | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | iconst : Construction | icre : Real Estate/Construction | itech : Technology
RE	shahai : Shanghai | china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Shanghai Daily
AN	Document SHNDOL0020220404ei44000b7

HD	**FCC Adds Russian And Chinese Companies To High-Risk <mark>Cybersecurity</mark> Companies!**
BY	Peter Vogel
WC	271 words
PD	1 April 2022
SN	Mondaq Business Briefing
SC	BBPUB
LA	English
CY	(c) 2022 Mondaq Ltd

LP

BankInfoSecurity.com reported that "The U.S. Federal Communications Commission's Public Safety and Homeland Security Bureau voted unanimously to ban Kaspersky Lab, China Telecom (Americas) Corp., and China Mobile International USA Inc., stating the companies posed a national security threat. In addition, the bug bounty <mark>platform</mark> HackerOne suspended Kaspersky's access to the <mark>platform</mark>." The March 28, 2022 report entitled "FCC Adds Kaspersky, Chinese Telecoms to High-Risk Companies" included these comments:

As soon as the FCC announcement was published, Kaspersky released a statement saying the company's bug bounty <mark>platform</mark> hosted with HackerOne was indefinitely suspended and that it has frozen existing funds and discussions for already-reported vulnerabilities (see: Sanctions Halt Rewards for Bug Hunters in Belarus, Russia).

TD

Reacting to the development, Kaspersky tells Information Security Media Group that the firm is disappointed with the decision by the FCC to prohibit certain telecommunications-related federal subsidies from being used to purchase Kaspersky products and services.

Spokespersons for China Telecom (Americas) Corp. and China Mobile International USA Inc. were not immediately available to comment.

No surprises by the FCC!

The content of this article is intended to provide a general guide to the subject matter. Specialist advice should be sought about your specific circumstances.

Click Here for related articles

(c) Mondaq Ltd, 2022 - Tel. +44 (0)20 8544 8300 - http://www.mondaq.com

Mr Peter Vogel

Foley & Lardner

321 North Clark Street, Suite 2800

Chicago

IL 60654-5313

UNITED STATES

Tel: 312832 4500

Fax: 312832 4700

E-mail: info@foley.com

URL: www.foley.com

CO   fedcc : Federal Communications Commission | kaspy : Kaspersky Lab Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i3302 : Computers/Consumer Electronics | i330202 : Software | i3302021 : Applications Software | icomp : Computing | isecpri : Security/Privacy Software | itech : Technology

NS   ccat : Corporate/Industrial News

RE   usa : United States | china : China | russ : Russia | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eeurz : Central/Eastern Europe | eurz : Europe | namz : North America | ussrz : CIS Countries

IPD   Media

PUB   Mondaq Limited

AN   Document BBPUB00020220401ei4100002

LP

On Kangding road, Jing'an district of Shanghai, street barriers are placed to manage traffic outside the neighborhood communities. Some residents were jogging, while sanitation workers were busy collecting garbage.Photo: Hu GongChina's three major telecom carriers are scaling up efforts to provide stable networks in Shanghai, including expanding computer cloud servers, increasing coverage of 5G networks and upgrading telecom communication speeds, as the financial and economic hub enters a partial "pause" amid new COVID-19 wave, driving up demand for online networks ranging from education, medical care and epidemic prevention to office work.

In a statement sent to the Global Times on Wednesday, China Mobile's Shanghai subsidiary said that it had expanded its network capacity by 300 servers on a contingency basis, and set up a special 24-hour on-site team to guarantee the provision of cloud technology services for the first time.

TD

At the beginning of March, the carrier also ran a trial pressure test for situations under which multiple high telecom demand erupts simultaneously.

In the downtown Huangpu district located in the city's Puxi area, China Mobile upgraded a wireless network for a local hospital in 12 hours, so as to provide telecom support for anti-epidemic work.

The internet speed of the district's education institutions has also been upgraded to 10 gigabits per second to ensure online education is able to be delivered seamlessly.

China Mobile also helped build a 5G and wired broadband network for certain Shanghai companies in the suburban Baoshan district, which remains operational with employees living on-site under closed-loop management.

A spokesperson of China Mobile told the Global Times on Wednesday that the company also set up a team of technological experts to ensure the stable operation of government cloud service platforms, as access demand for mobile apps that track the local health code has also exploded.

China Telecom also sent its emergency 5G station base vehicles out multiple times to set up telecom networks for nucleic acid test sites and concentrated isolation sites, the Global Times learned.

In one instance, the vehicles were sent four times within a day, and it only took a night for the company to complete the optical fiber deployment and telecom network set-up at the Shanghai Chongming People's Stadium - which was later used as a temporary nucleic acid testing site.

Shanghai authorities announced on Sunday night that they were splitting the city roughly into two zones along the Huangpu River for a total of nine days to allow for "staggered" citywide nucleic acid testing.

Some of the city's manufacturing and business services have been suspended, while others moved online, resulting in a sudden hike in network demand.

"As the combat against the coronavirus outbreak enters a crucial stage, digital technology plays a key role. For example, we also developed a cloud-message system, which helps frontline officials get a

real-time update on the situation of local communities, and send notification messages to residents 'point-to-point'," the China Mobile spokesperson said.

CO cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN i7902202 : Mobile Telecommunications | idct : Digital Cellular Technology | i3302 : Computers/Consumer Electronics | i3303 : Networking | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | itech : Technology | iwrlssl : Wireless Area Network Technology

NS gout : Outbreaks/Epidemics | gsars : Novel Coronaviruses | gcat : Political/General News | gcold : Respiratory Tract Diseases | ghea : Health | gmed : Medical Conditions | gspox : Infectious Diseases

RE china : China | shahai : Shanghai | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

PUB Global Times Co Ltd

AN Document GLOTNE0020220331ei3v0000j

SE	Feature
HD	**New Manager Announced for Hong Kong Tracker Fund**
BY	Manesh Samtani, Regulation Asia
WC	565 words
PD	29 March 2022
SN	Regulation Asia
SC	REGASI
LA	English
CY	Copyright 2022 Regulation Asia

LP

Hang Seng **Investment** Management will become TraHK's new manager in Q3 2022, replacing State Street, which has managed the ETF for 22 years.

State Street Bank and **Trust** Company, the trustee of the Hong Kong Tracker Fund (TraHK), has filed a stock exchange notice informing unitholders that Hang Seng **Investment** Management has been selected as the new manager of the fund.

TD

Established in 1999, TraHK is an ETF designed to provide investment results that closely correspond to the performance of the Hang Seng Index. It currently has assets under management of around HKD 105 billion, and has been managed by State Street Global Advisors Asia for the past 22 years.

The notice said the selection of Hang Seng Investment Management was made by TraHK's Supervisory Committee following a manager review, which was conducted with the help of an independent professional consultant with expertise in manager selection. The selection was made from seven ETF managers that were invited to submit their credentials and proposals.

"As a result of that review, Hang Seng Investment Management Limited, a wholly-owned subsidiary of Hang Seng Bank Limited and an SFC licensed investment manager, has been selected by the Supervisory Committee as the new manager of TraHK," the notice says.

"The Trustee is supportive of this decision and also regards the change in manager to be in the best interests of unitholders." State Street Bank and Trust Company will keep its role as the trustee of TraHK.

The change in manager follows a sequence of events that began with Donald Trump's November 2020 ban on US ownership of Chinese state-owned companies. The ban included China Mobile, China Unicom and CNOOC - constituents of the Hang Seng Index, which TraHK tracks.

State Street said in January 2021 that it would stop making new investments in Hong Kong-listed companies blacklisted, a decision it later reversed, although Hong Kong officials remained concerned about the firm's stance on US sanctions. In May 2021, the government was said to be considering dismissing State Street as the manager of TraHK.

Hang Seng Investment Management was selected as the new manager due to its "experience, expertise and sizable presence in Hong Kong", considerations over the latest market developments and TraHK's future development, and Hang Seng's fee proposal.

Hang Seng Investment Management currently manages a total of 48 ETFs and retail funds, out of which 17 are index or index-related funds and nine are ETFs.

The Supervisory Committee's statement, published here, says the transition to the new manager will be completed in Q3 2022, subject to regulatory approvals, and the management and operation of TraHK will not be impacted during the transition.

There will be no change to the investment objective of TraHK as a result of the change in manager, however a new management fee schedule will apply upon Hang Seng Investment Management's appointment.

The current tiered management fee of TraHK is set at 0.025 to 0.05 percent per annum. This will be adjusted to 0.015 to 0.045 percent per annum, lowering the effective management fee of

TraHK to 0.022 percent per annum in the first three years, and to 0.019 percent per annum from the fourth year onwards. The effective trustee fee will also be lowered accordingly.

CO	ssbt : State Street Corporation | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	iextrfu : Exchange Traded Funds | i81502 : Trusts/Funds/Financial Vehicles | ifinal : Financial Services | iinv : Investing/Securities | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i831 : Financial Investment Services | i83107 : Portfolio/Fund/Asset Management
RE	china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
IPD	Feature
PUB	InAsia Media Pte. Ltd.
AN	Document REGASI0020220330ei3t00005

THE WALL STREET JOURNAL.

CLM	Markets Main
SE	Markets
HD	**State Street Loses Hong Kong Role After U.S. Blacklist Controversy; The $14 billion Tracker Fund follows the city's benchmark Hang Seng Index**
BY	By Clarence Leong
WC	565 words
PD	29 March 2022
ET	14:03
SN	The Wall Street Journal Online
SC	WSJO
LA	English
CY	Copyright 2022 Dow Jones & Company, Inc. All Rights Reserved.

LP

The American financial institution State Street Corp. lost its role managing Hong Kong's largest exchange-traded fund, after being criticized last year for briefly following a U.S. ==investment== ban on some Chinese shares.

The Boston-based company's State Street Global Advisors Asia Ltd. unit has managed the $14.3 billion Tracker Fund of Hong Kong, or TraHK, since its inception more than two decades ago.

TD

In January 2021, the Tracker Fund stopped making new investments in stocks, such as the telecoms giant China Mobile Ltd., that had been put on a U.S. blacklist. The U.S. ban was intended to stop Americans investing in companies that Washington said were aiding China's military, intelligence and security services.

The fund manager backtracked two days after, and later amended its prospectus to say the fund wasn't suitable for U.S. investors and wouldn't be offered in the U.S., but the episode angered officials and lawmakers in the Asian financial hub.

Hong Kong's secretary for financial services and the treasury, Christopher Hui, said the volte-face caused "unnecessary market chaos" and the situation was highly unsatisfactory, while the former head of the city's monetary authority also criticized the move.

The fund said Tuesday it will now be managed by Hang Seng Investment Management Ltd. The new manager is a subsidiary of Hang Seng Bank Ltd., which in turn is majority owned by HSBC Holdings PLC, the London-headquartered lender. The handover is likely to conclude in the third quarter and is subject to regulatory approvals, the fund said.

The new manager was chosen after a review by an independent consultant, taking into account the firm's experience and sizable presence in Hong Kong, as well as the "latest market developments and TraHK's future development," the fund's supervisory committee said.

The Hong Kong-listed fund was set up in November 1999 to track the movement in the benchmark Hang Seng Index, which today covers 66 stocks. It was formed to help the government divest itself of shares it had bought the previous year in an unprecedented market intervention to fend off speculators.

State Street Global Advisors said it was proud of its work with the city's monetary authority and the fund's overseers. "We are confident that our experience, scale and global footprint will enable us to serve investors in HKSAR, Greater China overall and across Asia-Pacific long into the future," it said, referring to the Hong Kong Special Administrative Region. The investing unit of State Street, which pioneered ETFs, managed $4.14 trillion of assets as of end-December.

Hang Seng Investment Management, which oversees 48 ETFs and retail funds, said it was honored to be selected.

The fund paid State Street an annual management fee of up to 0.05%, which equated to about 30 million Hong Kong dollars in 2020, or about $3.8 million, according to the fund's annual report.

The effective fees charged by the new manager will be 31% lower in the first three years and 40% lower after that.

Write to Clarence Leong at clarence.leong@wsj.com

State Street Loses Hong Kong Role After U.S. Blacklist Controversy

CO	cthkng : China Mobile Limited | ssbt : State Street Corporation | ssgaa : State Street Global Advisors Asia Limited | trkrfd : Tracker Fund of Hong Kong | cmbile : China Mobile Communications Corp
IN	i3302 : Computers/Consumer Electronics | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i831 : Financial Investment Services | ibnk : Banking/Credit | icph : Computer Hardware | iextrfu : Exchange Traded Funds | ifinal : Financial Services | iint : Online Service Providers | iinv : Investing/Securities | iwealth : Private Banking/Wealth Management | i814 : Banking | i81502 : Trusts/Funds/Financial Vehicles | icomp : Computing | itech : Technology | i7902202 : Mobile Telecommunications | i83102 : Security Brokering/Dealing | i83107 : Portfolio/Fund/Asset Management
NS	ccat : Corporate/Industrial News | m11 : Equity Markets | m16 : Fund Markets | ncolu : Columns | gcat : Political/General News | mcat : Commodity/Financial Market News | ncat : Content Types | nfact : Factiva Filters | nfce : C&E Exclusion Filter
RE	china : China | hkong : Hong Kong | asiaz : Asia | easiaz : Eastern Asia | namz : North America | usa : United States | apacz : Asia Pacific | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
IPD	Wires
IPC	0011.HK
PUB	Dow Jones & Company, Inc.
AN	Document WSJO000020220329ei3t001up

SE	即市頭條- Latest News
HD	**C Suisse Chops CHINA MOBILE (00941.HK) TP to $80.9, Rated Outperform**
WC	136 words
PD	29 March 2022
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2022. AAStocks.com Limited. All rights reserved.

LP

Credit Suisse raised the 2022-24E EPS forecasts on CHINA MOBILE (00941.HK) by 6-11%, but lowered the telco's target price by around 5% to $80.9 on higher **investment** need on digital transformation operations. The stock was retained at Outperform. The broker continued to like the entire sector for its solid and lucrative yields, fundamental improvement and enticing valuation.

TD

CHINA MOBILE's FY21 mobile services revenue was 1.3% above Credit Suisse's estimate, given better ARPU growth momentum. Its cloud and IDC revenues delivered a sector-leading growth and will likely continue to thrive as the telco keeps investing in capex and R&D expenses.

~

AAStocks Financial News

Web Site: www.aastocks.com

CO	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications
NS	c1521 : Analysts' Comments/Recommendations	ccat : Corporate/Industrial News	ncat : Content Types	nfact : Factiva Filters	nfce : C&E Exclusion Filter
RE	china : China	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020220329ei3t006mx

HD	**Chinese telcos and Kaspersky Lab added to FCC's suspect list**
WC	328 words
PD	28 March 2022
SN	Capacity Magazine
SC	CAPMAG
LA	English
CY	© 2022 Euromoney Trading Limited

LP

The US has thrown further problems in the path of both China Telecom and China Mobile by identifying their equipment and services "a threat to national security".

The Federal Communications Commission (FCC) included Russian **cyber** security company Kaspersky Lab in its list.

TD

Chairwoman Jessica Rosenworcel said: "Today's action is the latest in the FCC's ongoing efforts, as part of the greater whole-of-government approach, to strengthen America's communications networks against national security threats, including examining the foreign ownership of telecommunications companies providing service in the United States and revoking the authorization to operate where necessary."

The FCC had already denied China Mobile a licence to operate telecoms networks in the US, and has withdrawn an existing licence from China Telecom.

But the addition of Kaspersky is new – seen as a reaction to Russia's invasion of Ukraine in February.

The ruling is governed by the Secure and Trusted Communications Networks Act of 2019, said Rosenworcel. "Last year, for the first time, the FCC published a list of communications equipment and services that pose an unacceptable risk to national security, and we have been working closely with our national security partners to review and update this list."

Commissioner Brendan Carr welcomed the news. "The FCC plays a critical role in securing our nation's communications networks, and keeping our covered list up to date is an important tool we have at our disposal to do just that," he said.

The covered list identifies entities that are seen as posing "an unacceptable risk to US national security", says the FCC. Carr said: "In particular, I am pleased that our national security agencies agreed with my assessment that China Mobile and China Telecom appeared to meet the threshold necessary to add these entities to our list."

The covered list now includes equipment or services from Huawei, ZTE, Hytera, Hangzhou Hikvision and Dahua Technology as well as the three additions.

CO	fedcc : Federal Communications Commission | kaspy : Kaspersky Lab Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i3302 : Computers/Consumer Electronics | i330202 : Software | i3302021 : Applications Software | icomp : Computing | isecpri : Security/Privacy Software | itech : Technology
NS	gsec : State Security Measures/Policies | gcat : Political/General News | gcns : National/Public Security
RE	usa : United States | russ : Russia | china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eeurz : Central/Eastern Europe | eurz : Europe | namz : North America | ussrz : CIS Countries
IPD	News
PUB	Euromoney Trading Limited
AN	Document CAPMAG0020220418ei3s00006

HD   **Kaspersky backlash continues as US comms regulator lists vendor as threat to national security**

BY   josh.budd@incisivemedia.com(Josh Budd)

WC   485 words

PD   28 March 2022

SN   CRN

SC   PCDLR

LA   English

CY   © 2022 Incisive Media Investments Limited, published by Incisive Financial Publishing Limited, Haymarket House, 28-29 Haymarket, London SW1Y 4RX, are companies registered in England and Wales with company registration numbers 04252091 & 04252093

LP

The United States' communications regulator has added Russian **cybersecurity** firm Kaspersky and both China Mobile and China Telecom to its list of threats to national security.

America's Federal Communication Commission (FCC) said the three companies had been added to the list under the Secure and Trusted Communications Networks Act of 2019.

TD

The law requires the commission to "publish and maintain a list of communications equipment and services that pose an unacceptable risk to national security or the security and safety of US persons".

"Last year, for the first time, the FCC published a list of communications equipment and services that pose an unacceptable risk to national security, and we have been working closely with our national security partners to review and update this list," said chairwoman Jessica Rosenworcel.

"Today's action is the latest in the FCC's ongoing efforts, as part of the greater whole-of-government approach, to strengthen America's communications networks against national security threats, including examining the foreign ownership of telecommunications companies providing service in the United States and revoking the authorization to operate where necessary.

"Our work in this area continues."

The FCC is not the first organisation to issue a warning about Kaspersky following Russia's invasion of Ukraine. Earlier this month, Germany's cybersecurity authority - the Federal Office for Information Security (BSI) - issued a notice advising organisations that are using Kaspersky's security products to find BSI-approved replacements.

Kaspersky's CEO, Eugene Kaspersky, came under fire for a tweet in which he stopped short of criticising Russia's actions in Ukraine.

"We believe that peaceful dialogue is the only possible instrument for resolving conflicts. War isn't good for anyone," he said.

In response to the FCC's announcement, Kaspersky said it was "disappointed with the decision by the FCC to prohibit certain telecommunications-related federal subsidies from being used to purchase Kaspersky products and services".

"This decision is not based on any technical assessment of Kaspersky products - that the company continuously advocates for - but instead is being made on political grounds," the company added.

"Kaspersky believes today's expansion of such prohibition on entities that receive FCC telecommunication-related subsidies is similarly unsubstantiated and is a response to the geopolitical climate rather than a comprehensive evaluation of the integrity of Kaspersky's products and services."

China Mobile and China Telecom , meanwhile, are the latest Chinese companies to be added to the list, joining Huawei, ZTE, Hytera , and video surveillance systems vendors Hangzhou Hikvision Digital Technology Company and Dahua Technology Company.

The listing means these companies are unable to access certain federal funds in the US.

In 2017, it was made a requirement that US government agencies remove Kaspersky products and the use of Chinese communications was already heavily restricted.

To view photo, click here.

CO	fedcc : Federal Communications Commission | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | icomp : Computing | i3302 : Computers/Consumer Electronics | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | itech : Technology
NS	gsec : State Security Measures/Policies | c13 : Regulation/Government Policy | gdatap : Privacy Issues/Information Security | ccat : Corporate/Industrial News | gcat : Political/General News | gcns : National/Public Security | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	usa : United States | russ : Russia | china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eeurz : Central/Eastern Europe | eurz : Europe | namz : North America | ussrz : CIS Countries
PUB	Incisive Media Ltd.
AN	Document PCDLR00020220328ei3s00004

SE	即市頭條- Latest News
HD	**CHINA MOBILE Hikes Investment in Computing Network This Yr; 2022 Last Peak Yr for 5G Investment**
WC	132 words
PD	24 March 2022
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2022. AAStocks.com Limited. All rights reserved.

LP

As to the slim annual decline in the group's 5G investment, CHINA MOBILE (00941.HK) (600941.SH) Chairman Yang Jie explained that 2020-2022 is the peak period for the related investment, which will gradually reduce from 2023. In terms of computing network, the group will hike investment in mobile cloud, business network and data center slowly.

TD

Regarding whether the telecom will consider a spin-off listing, Yang Jie said that the company has always kept doors open to the idea and will consider it in a timely manner as long as it is conducive to the development of the company.

~

AAStocks Financial News

Web Site: www.aastocks.com

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020220324ei3o005mt

SE	即市頭條- Latest News
HD	**CHINA MOBILE Predicts Rev, Profit Growth to Extend This Yr; Div Payout to Stretch to 70% in 3 Yrs**
WC	147 words
PD	24 March 2022
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2022. AAStocks.com Limited. All rights reserved.

LP

CHINA MOBILE (00941.HK)(600941.SH) anticipated that, given the company's current capability and projected market demand in the future, specifically demand for internet and **5G applications**, the company's revenue and profit will likely further extend the momentum of satisfactory growth over 2022, the company's General Manager Dong Xin expressed at the result conference.

TD

Additionally, Dong stated that, the management of the company has been exploring the possibility of lifting the overall dividend payout ratio over the past two years. According to the annual results, the dividend payout for 2021 was 60% and the company is aiming to raise the dividend payout to 70% in the three-year period from 2021.

~

AAStocks Financial News

Web Site: www.aastocks.com

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	c1512 : Dividends | c151 : Earnings | c15 : Financial Performance | cactio : Corporate Actions | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfce : C&E Exclusion Filter | nfcpin : C&E Industry News Filter
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020220324ei3o00461

HD   **China Mobile (00941) year profit up 7.7% to RMB116.1bn**

WC   86 words

PD   23 March 2022

ET   09:35

SN   ET Net News

SC   ETNNEN

LA   English

CY   (c) Copyright 2022. ET Net Limited. All rights reserved.

LP

[ET Net News Agency, 23 March 2022] China Mobile Limited (00941) said for the year ended 31 December 2021, profit attributable to equity shareholders was RMB116.1 billion, up by 7.7% year-on-year. It recommends a final dividend payment of HK$2.43 per share.

Operating revenue was RMB848.3 billion, up by 10.4% year-on-year; of which, revenue fromtelecommunications services was RMB751.4 billion, up by 8.0% year-on-year. (RC)

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications

NS   c151 : Earnings | ccat : Corporate/Industrial News | c15 : Financial Performance | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter

RE   china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

PUB   ET Net Limited

AN   Document ETNNEN0020220323ei3n002p9

Regulation Asia

SE	China
HD	**State Street to Be Dismissed as Manager of HK Tracker Fund**
BY	Editors, Regulation Asia
WC	348 words
PD	21 March 2022
SN	Regulation Asia
SC	REGASI
LA	English
CY	Copyright 2022 Regulation Asia

LP

Hong Kong's government commenced a review last year to assess State Street's role as the manager of TraHK, the city's largest and most-popular ETF.

Hang Seng **Investment** Management is set to replace State Street Global Advisors Asia as the manager of Hong Kong's largest and most-popular ETF, Caixin has reported.

TD

State Street, part of US-based State Street Global Advisors, has been the sole manager of the Tracker Fund of Hong Kong (TraHK) for more than 22 years, but the company has come under growing pressure as a result of deepening tensions between the US and China.

Last May, the Hong Kong government was said to be considering dismissing State Street as the manager of TraHK, after the asset manager had said in January 2021 that it would stop making new investments in Hong Kong-listed companies blacklisted by the US - including China Mobile, China Unicom and CNOOC.

Although State Street reversed the initial decision, Hong Kong officials remained concerned about the firm's stance on US sanctions, which ban US individuals and companies from investing in products linked to mainland Chinese companies with links to China's military.

State Street manages TraHK while its sister company, State Street Bank and Trust Company, is the trustee. Officials were said to be looking into whether to replace both institutions, which are US-regulated.

Last July, ahead of new US sanctions against 59 Chinese companies coming into effect, State Street amended the TraHK prospectus to prohibit investment from US investors.

It said the change would not affect TraHK's operation and the interests of unitholders, also clarifying that its Asian arm and TraHK did not constitute a 'US person' under the Biden executive order which provided a one-year divestment period for US investors to exit their positions in the blacklisted Chinese companies.

Nevertheless, Caixin says the dismissal of State Street and appointment of Hang Seng Investment Management will be formally announced within the next one or two weeks.

CO	ssbt : State Street Corporation | trkrfd : Tracker Fund of Hong Kong | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	iextrfu : Exchange Traded Funds | i81502 : Trusts/Funds/Financial Vehicles | ifinal : Financial Services | iinv : Investing/Securities | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i831 : Financial Investment Services | i83107 : Portfolio/Fund/Asset Management
RE	china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
IPD	China

PUB   InAsia Media Pte. Ltd.

AN   Document REGASI0020220321ei3l00002

LightReading

HD	**Business is booming at China Unicom**
BY	Robert Clark
WC	498 words
PD	14 March 2022
SN	Light Reading
SC	LITEREAD
LA	English
CY	Copyright 2022. Light Reading, Inc.

LP

Strong growth in enterprise and <mark>cloud</mark> services have helped drive China Unicom to a 15% increase in full-year earnings.

The operator reported net income of 14.4 billion yuan (US$2.26 billion), with total revenue 7.9% higher at 327.9 billion yuan.

TD

The buoyant result launches the reporting season for the three state-owned operators, with China Telecom and China Mobile issuing guidance ahead of their full announcements later this month.

Click here to view Figure 1.

China Telecom expects to report a 23% to 25% rise in profit and 10% to 12% higher revenue, while China Mobile has forecast flat earnings on 10% to 11% higher sales.

China Unicom's industry Internet unit led the way, overtaking fixed-line broadband to become its second largest segment. The unit recorded a 28% spike in revenue to 55 billion yuan, with the cloud services business jumping 46% to 16 billion yuan.

Smaller enterprise segments also did brisk business, with IoT up 43% to 6 billion yuan and the big data group, which includes blockchain and AI, up 49% to 2.6 billion yuan.

But network and operations costs grew 15%, double the rise in aggregate costs, the result of higher fees for sites and equipment, energy and network maintenance, the company said.

Steady progress

Liu Liehong, chairman and CEO, said China Unicom had made steady progress in key businesses and in developing economies of scale.

It had enhanced its innovation capability and significantly improved operational efficiency, he said in a filing to HKEx.

He said Unicom was interested in expanding its "co-build co-share" partnership with China Telecom to encompass data centers and other infrastructure including "transmission lines, pipes and fibers, equipment rooms and antennae, DAS, etc."

Without elaborating, he said he also hoped to promote cooperation with China Telecom in "technological innovation."

Unicom and Telecom jointly added 310,000 5G basestations last year and now own and operate 690,000 5G sites and 660,000 4G sites. This has meant cumulative capex savings of 210 billion yuan for the operators over the past three years, Unicom said.

Want to know more? Sign up to get our dedicated newsletters direct to

your inbox

Its core mobile business grew 4.8% to 164 billion yuan, with ARPU improving 4.3% to 43.9 yuan. It added a net 11.3 million mobile customers, a turnaround from 2020 when it lost 12.7 million.

It now has 155 million 5G package subscribers, accounting for just under half the total customer base.

In 2022, Unicom said its priorities were to continue rolling out its premium 5G and gigabit broadband networks, its government-enterprise network and its computing power network.

Related posts:

* [Huawei shines spotlight on China Unicom 5G Private Network PLUS](#)

* [China Unicom finally falls to the FCC with US market ban](#)

* [China's telcos join race for computing supremacy](#)

- Robert Clark, contributing editor, special to [Light Reading](#)

CT	rclark@electricspeech.com
CO	lianto : China Unicom (Hong Kong) Ltd | cthkng : China Mobile Limited | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | iappsp : Cloud Computing | i79022 : Wireless Telecommunications Services | i8394 : Computer Services | ibcs : Business/Consumer Services | idserv : Data Services | iint : Online Service Providers | itech : Technology
RE	china : China | asiaz : Asia | apacz : Asia Pacific | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
IPD	Geography
PUB	Light Reading
AN	Document LITEREAD20220314ei3e0002u

BARRON'S

SE	Daily
HD	<mark>Metaverse</mark> Fever Is High in China. Regulators Are Watching.
BY	By Tanner Brown
WC	664 words
PD	4 March 2022
ET	14:18
SN	Barron's Online
SC	BON
LA	English
CY	Copyright 2022 Dow Jones & Company, Inc. All Rights Reserved.

LP

If China's internet is any sign of how walled off its <mark>metaverse</mark> will be, expect a firm hand from authorities, strict rules forbidding certain <mark>content</mark>, and plenty of fines and warnings when companies go astray.

China's internet is often called an intranet because it is so censored that it resembles a completely separate network of sites, apps, and financial technology offerings. It is strictly monitored by sophisticated technology and an army of thousands of human "sanitizers."

TD

The metaverse in general is envisioned to be a virtual world through which the internet facilitates cutting edge interactive and computer-generated experiences. The concept has gained such momentum—and the prospects are so lucrative—that Facebook renamed itself Meta Platforms (ticker: FB).

While Goldman Sachs has estimated the metaverse could be worth $8 billion globally once it begins disrupting current technologies, Morgan Stanley said last month that China's market alone would be worth that much.

Over the last few months, we've gotten glimpses of what a Chinese metaverse might eventually look like, with the latest coming this week.

State-owned Bank of China's securities arm recently published a document saying "that the metaverse is a potential path to common prosperity, and the evolution of the metaverse-related organizational route cannot be separated from the top of the government."

The latter utterance is an obvious nod to the top ranks in Beijing, but so too is the phrase "common prosperity," a sort of mantra Chinese President Xi Jinping has been touting to do several things—among them impart a chilling effect on overly large corporations and individuals whose extravagant wealth appears to make a mockery of the "communist" part of the Communist Party.

Thus the Chinese metaverse must be a contributor to the common good, refrain from creating monopoly-level players, and fall under the same strict control as other forms of digital media in the country.

According to the document, one way this will be done is by granting special power to the three big state-owned telecoms: China Mobile (941.Hong Kong), China Unicom (762.Hong Kong), and China Telecom (728. Hong Kong). Dozens of Chinese news outlets ran with the story.

In fact, quietly in October, the China Mobile Communications Association's metaverse industry committee was set up in part to help select metaverse-related companies. But the latest news reinforces that the major telecoms will be big players, if not steerers, of the nascent industry.

Furthermore, the government embrace of the metaverse is both incentive and warning. Late last year, an influential government think tank published a report laying out all the possible ills the technology could bring, from the "corruption and addiction of youth," to "technological hegemony." In January, the National Intellectual Property Administration began a spate of metaverse trademark applications.

But recently, [regulatory rhetoric put enough fear](#) into investors to cause a fall in the share prices of some of China's biggest players.

A metaverse-only think tank—Yuanchuang Metaverse Research Institute—recently rated the contenders for success in the emerging field, based on a number of metrics, including technology, capital, and trademark approvals. The top six were Tencent Holdings (700.Hong Kong), telecom giant Huawei, e-commerce leader Alibaba Group Holding (BABA), search and AI specialist Baidu (BIDU), gaming and music company NetEase (NTES), and Tik-Tok developer ByteDance.

"The market sees the new vistas of possibility. These technologies may be combined and merged to shape a new digital world, which could have a fundamental impact on the existing digital life," Li Zheng, a researcher at think tank China Institutes of Contemporary International Relations (CICIR), told Chinese media recently.

New players are sure to emerge with meteoric rises, as Chinese corporate dynamics is known for. Time will tell just how tight the government grip squeezes the sector.

Write to editors@barrons.com

[Metaverse Fever Is High in China. Regulators Are Watching.](#)

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
RE	china : China | easiaz : Eastern Asia | chinaz : Greater China | asiaz : Asia | apacz : Asia Pacific | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
IPD	China
IPC	0700.HK
PUB	Dow Jones & Company, Inc.
AN	Document BON0000020220304ei34000xd

SE	Macro economics
HD	**Interview: GSMA director general speaks highly of China's innovation edge**
WC	427 words
PD	2 March 2022
ET	01:29
SN	Xinhua's China Economic Information Service
SC	XNHA
LA	English
CY	Copyright 2019. Xinhua News Agency. All Rights Reserved

LP

BARCELONA, March 1 (Xinhua) -- China is a mass market, and its actors are very innovative, Mats Granryd, director general of GSMA, the organization that represents the interests of mobile network operators worldwide, said in a recent exclusive interview.

Granryd talked to Xinhua during the 2022 Mobile World Congress (MWC) here, an event that is expected to attract between 40,000 and 60,000 visitors under the theme "Connectivity Unleashed." MWC 2022 runs until March 3.

TD

Granryd highlighted the role China has played in rolling out 5G services, which "will be the enabling capacity for us to reach out to more businesses and enterprises," recalling the keynote speeches delivered at the congress by high-level managers of China Mobile, China Telecom and China Unicom, which all focused on their respective companies' plans to leverage 5G.

Granryd said the COVID-19 pandemic has "shown the importance of connectivity," which helped to "keep the world going" through two difficult years. The pandemic has shown how important it is for people to be able to remain in contact with each other, even though many nations have imposed strict lockdowns.

"We're very proud of the fact that we have kept this world going in a way with all the team meetings and all working from home or everyone being online," he said.

Asked about the effects the pandemic could have on the global telecommunications sector, he said that although it "maybe a bit too early" to tell, a post-pandemic world would see "more flexible working arrangements" and it would be "more acceptable to work from home."

The tools that enable people to work from home "will be better," he predicted. However, he noted that despite the advances, "3.4 billion people are still not using mobile internet, and we as an industry and as a society need to address that."

Granryd was upbeat on the mobile industry's growth prospects. "The world will be more connected, the world will be safer, the world will be taking more care of the planet. We believe that by using mobile technologies we can reduce CO2 and carbon emissions by 11 gigatonnes by 2030."

"The enabling effect of what we as mobile operators can contribute to society is huge. We will be more connected; we will be smarter. We're going to use more of artificial intelligence (AI), it's going help us make better decisions and we will be more efficient in the way we do things," he said.

Enditem

CO	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications	idct : Digital Cellular Technology	i34411 : Mobile Communications Devices	i7902 : Telecommunication Services	i3302 : Computers/Consumer Electronics	i3303 : Networking	i3441 : Telecommunications Equipment	i79022 : Wireless Telecommunications Services	itech : Technology	iwrlssl : Wireless Area Network Technology
NS	gtcom : Telecommuting	c315 : Conferences/Exhibitions	niex : Interviews with Corporate Executives	nitv : Interviews	ccat : Corporate/Industrial News	gbal : Work-Life Balance	gcat : Political/General

News | gjob : General Labor Issues | glife : Living/Lifestyle | ncat : Content Types | nfact : Factiva Filters | nfcpex : C&E Executive News Filter

RE   china : China | barca : Barcelona | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | catal : Catalonia | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | spain : Spain | weurz : Western Europe

IPD   recent exclusive interview

PUB   News and Information Center Xinhua News Agency

AN   Document XNHA000020220302ei320008d

LP

BARCELONA, March 1 (Xinhua) -- China is a mass market, and its actors are very innovative, Mats Granryd, director general of GSMA, the organization that represents the interests of mobile network operators worldwide, said in a recent exclusive interview.

Granryd talked to Xinhua during the 2022 Mobile World Congress (MWC) here, an event that is expected to attract between 40,000 and 60,000 visitors under the theme "==Connectivity== Unleashed." MWC 2022 runs until March 3.

TD

Granryd highlighted the role China has played in rolling out 5G services, which "will be the enabling capacity for us to reach out to more businesses and enterprises," recalling the keynote speeches delivered at the congress by high-level managers of China Mobile, China Telecom and China Unicom, which all focused on their respective companies' plans to leverage 5G.

Granryd said the COVID-19 pandemic has "shown the importance of connectivity," which helped to "keep the world going" through two difficult years. The pandemic has shown how important it is for people to be able to remain in contact with each other, even though many nations have imposed strict lockdowns.

"We're very proud of the fact that we have kept this world going in a way with all the team meetings and all working from home or everyone being online," he said.

Asked about the effects the pandemic could have on the global telecommunications sector, he said that although it "maybe a bit too early" to tell, a post-pandemic world would see "more flexible working arrangements" and it would be "more acceptable to work from home."

The tools that enable people to work from home "will be better," he predicted. However, he noted that despite the advances, "3.4 billion people are still not using mobile internet, and we as an industry and as a society need to address that."

Granryd was upbeat on the mobile industry's growth prospects. "The world will be more connected, the world will be safer, the world will be taking more care of the planet. We believe that by using mobile technologies we can reduce CO2 and carbon emissions by 11 gigatonnes by 2030."

"The enabling effect of what we as mobile operators can contribute to society is huge. We will be more connected; we will be smarter. We're going to use more of artificial intelligence (AI), it's going help us make better decisions and we will be more efficient in the way we do things," he said.

RE   china : China | barca : Barcelona | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | catal : Catalonia | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | spain : Spain | weurz : Western Europe

IPD   recent exclusive interview

PUB   N.C.N. Limited of Xinhua News Agency

AN   Document XIMMEN0020220301ei3100795

LP

BARCELONA, March 1 (Xinhua) -- China is a mass market, and its actors are very innovative, Mats Granryd, director general of GSMA, the organization that represents the interests of mobile network operators worldwide, said in a recent exclusive interview.

Granryd talked to Xinhua during the 2022 Mobile World Congress (MWC) here, an event that is expected to attract between 40,000 and 60,000 visitors under the theme "==Connectivity== Unleashed." MWC 2022 runs until March 3.

TD

Granryd highlighted the role China has played in rolling out 5G services, which "will be the enabling capacity for us to reach out to more businesses and enterprises," recalling the keynote speeches delivered at the congress by high-level managers of China Mobile, China Telecom and China Unicom, which all focused on their respective companies' plans to leverage 5G.

Granryd said the COVID-19 pandemic has "shown the importance of connectivity," which helped to "keep the world going" through two difficult years. The pandemic has shown how important it is for people to be able to remain in contact with each other, even though many nations have imposed strict lockdowns.

"We're very proud of the fact that we have kept this world going in a way with all the team meetings and all working from home or everyone being online," he said.

Asked about the effects the pandemic could have on the global telecommunications sector, he said that although it "maybe a bit too early" to tell, a post-pandemic world would see "more flexible working arrangements" and it would be "more acceptable to work from home."

The tools that enable people to work from home "will be better," he predicted. However, he noted that despite the advances, "3.4 billion people are still not using mobile internet, and we as an industry and as a society need to address that."

Granryd was upbeat on the mobile industry's growth prospects. "The world will be more connected, the world will be safer, the world will be taking more care of the planet. We believe that by using mobile technologies we can reduce CO2 and carbon emissions by 11 gigatonnes by 2030."

"The enabling effect of what we as mobile operators can contribute to society is huge. We will be more connected; we will be smarter. We're going to use more of artificial intelligence (AI), it's going help us make better decisions and we will be more efficient in the way we do things," he said.

Enditem

NS   gtcom : Telecommuting | c315 : Conferences/Exhibitions | niex : Interviews with Corporate Executives | nitv : Interviews | ccat : Corporate/Industrial News | gbal : Work-Life Balance | gcat : Political/General News | gjob : General Labor Issues | glife : Living/Lifestyle | ncat : Content Types | nfact : Factiva Filters | nfcpex : C&E Executive News Filter

RE   china : China | barca : Barcelona | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | catal : Catalonia | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | eecz : European Union Countries | eurz : Europe | medz : Mediterranean | spain : Spain | weurz : Western Europe

IPD   recent exclusive interview

PUB   News and Information Center Xinhua News Agency

AN   Document XNEWS00020220301ei3100e1l

HD	**China - Mobile Phones - Competitive Landscape**
WC	2,649 words
PD	28 February 2022
SN	MarketLine Industry Profiles
SC	DMRP
LA	English
CY	© 2022, MarketLine. All rights reserved

LP

The Chinese mobile phone market is dominated by three state owned corporations, meaning the market experiences little competition between incumbents and experiences little threat from new entrants or market disruptors. The largest of the three state owned communication corporations is China Mobile Limited which has close to one billion mobile customers and is recognized as the world's largest mobile service operator. However, the competition in the delivery of 4G services among China Unicom, China Telecom and China Mobile continues to intensify due to market saturation and tariff reduction. China is currently accelerating the construction of new infrastructure such as 5G network and data centers, and promoting in-depth integration of information communication technologies into the economy.

Who are the leading players?

TD

China Mobile Limited is the leading telecommunications services provider in the mainland of China. The group provides full communications services in all 31 provinces, autonomous regions and directly administered municipalities throughout the mainland of China and in the Hong Kong Special Administrative Region. Its businesses primarily consist of mobile voice and data business, wireline broadband and other information and communications services. As of December 31, 2020, the group had a total of 454,332 employees, and a total of 942 million mobile customers and 210 million wireline broadband customers, with its annual revenue totaling RMB768.1 billion ($120.75 billion).

China Telecommunications Corporation is one of the largest mobile telecommunication providers in China. The company provides wireline and mobile telecommunications services, internet access services, information services and other value-added telecommunications services primarily in the People's Republic of China. As of December 2021, the company served 372.43 million mobile subscribers. In 2020, the group's mobile service revenues amounted to RMB181.7 billion ($28.56billion), representing an Y-o-Y increase of 3.5% and accounting for 48% of the company's total revenue for the year which amounted to RMB378.1bn ($59.4billion).

China United Network Communications Group Co. (China Unicom) is China's third-largest mobile service provider by subscriber base and revenues. The company has 317.1 million mobile billing subscribers as of December 2021. In 2020, the company registered service revenue of RMB275.8 billion ($40.5 billion).

What strategies do leading players follow?

The emergence of the 5th generation mobile network (5G) - a new global wireless standard designed to connect machines, objects, and devices - has created a strong demand for new mobile phones. Therefore, providing customers with 5G coverage has become a priority for most mobile phone service companies. China Mobile has taken steps to encourage customers to subscribe to 5G packages, using 5G devices, accelerated 5G migration and promoted the development of 5G through the companies '5G+'. As of the end of June 2020, China Mobile has accumulatively deployed and put in use 188,000 5G base stations in over 50 cities in China to provide commercialized 5G services. The number of 5G package consumers totaled 70.2 million, around 7.4% of the company's mobile subscribers.

China Mobile has adjusted its business model to focus on four core markets: the customer market, the home market, the business market and the new market (CHBN). The market focus is primarily on the development of 4G and 5G networks to maintain the company's market leading position in China in terms of handset data traffic and leading position in the commercialization of 5G technologies.

China Telecommunications Corporation has achieved 187.8 million 5G subscriptions, while this is lower than China Mobile, it accounts for 50% of the company's total mobile customers and leads the market in terms of the percentage of customers it has transferred onto 5G packages. In comparison, during 2020, China Unicom's 5G package subscribers reached 70.83 million, and the penetration rate of 5G package subscribers reached 23%. Applications such as e-Surfing ultra HD, cloud gaming and cloud VR are becoming increasingly popular in China which is driving demand for fast speed 5G networks.

China Telecom and China Unicom entered into a strategic cooperation agreement in 2016 to promote resource-sharing between the two companies. The areas of strategic cooperation include sharing capital expenditures such as their new rural 4G network, promoting a new smartphone standard, and jointly negotiating international roaming rates. In 2019, China Telecom collaborated with CUCL, a wholly-owned subsidiary of China Unicom. Together the companies have accelerated the roll-out of 5G networks by co-building and co-sharing. This has enabled them to leverage their complementary network and spectrum resources to save costs on network construction, operation and maintenance. In response China Mobile is also considering external cooperation for 5G network construction and sharing and has been in discussion with certain third parties to explore the potential cooperation arrangement.

This section contains brief overviews of the leading companies in the Chinese mobile phones market.

Company

Company Name: China Mobile Communications Group Co., Ltd

China Mobile Communications Group Co., Ltd (CMC) is telecommunication service provider. The company provides mobile voice communication services through its subsidiary China Mobile Limited. It offers data, internet protocol telephone and multimedia services. CMC provides services such as local call, domestic long-distance call, domestic roaming, international long-distance call, international roaming, e-mail communication, caller identity, reminder, call forwarding, mobile newspaper, call conceal, CRBT, conference call, mobile Internet, voice mailbox, call barring, GSM and GPRS roaming, mobile short messages, multimedia message, mobile data application and wireless music club services. The company also provides support center services such as service hall, on-line service center, hotline and text message service center. CMC is headquartered in Central, Hong Kong.

Head office: 60 Floor The Center, 99 Queen's Road Central, Central, Hong Kong Special Administrative Region of China

Website: www.chinamobileltd.com

Financial Year End: April

Company Overview

China Mobile Communications Group Co., Ltd (CMC) is telecommunication service provider. The company provides mobile voice communication services through its subsidiary China Mobile Limited. It offers data, internet protocol telephone and multimedia services. CMC provides services such as local call, domestic long-distance call, domestic roaming, international long-distance call, international roaming, e-mail communication, caller identity, reminder, call forwarding, mobile newspaper, call conceal, CRBT, conference call, mobile Internet, voice mailbox, call barring, GSM and GPRS roaming, mobile short messages, multimedia message, mobile data application and wireless music club services. The company also provides support center services such as service hall, on-line service center, hotline and text message service center. CMC is headquartered in Central, Hong Kong.

Company

Company Name: China Telecom Corporation Limited

China Telecom Corporation Limited (China Telecom or 'the company') is an integrated information service provider. The company offers a range of telecommunications services including wireline voice services, mobile voice services, internet access services, value-added services, integrated information application services, information application services, outsourcing services, and network equipment services and other related services. China Telecom also provides wireline, internet and mobile value-added services including super cordless telephone services, SMS, caller ID services, color ring tone services, and telephone payment services. China Telecom through its subsidiaries operates in various geographical regions including the Americas, Europe, Asia-Pacific and Africa. The company is headquartered in Beijing, China.

The company reported revenues of (Renminbi) CNY393,561 million for the fiscal year ended December 2020 (FY2020), an increase of 4.7% over FY2019. In FY2020, the company's operating margin was

7.3%, compared to an operating margin of 7.7% in FY2019. In FY2020, the company recorded a net margin of 5.3%, compared to a net margin of 5.5% in FY2019.

The company reported revenues of CNY110,004 million for the third quarter ended September 2021, a decrease of 2.1% over the previous quarter.

Head office: 31 Jinrong Street, Xicheng District, , Beijing, Beijing, China

Telephone: 861058501800

Fax: 861066010728

Number of Employees: 281192

Website: www.chinatelecom-h.com

Financial Year End: December

Ticker: 728

Stock Exchange: Hong Kong Stock Exchange

Company Overview

China Telecom Corporation Limited (China Telecom or 'the company') is an integrated information service provider. The company offers a range of telecommunications services including wireline voice services, mobile voice services, internet access services, value-added services, integrated information application services, information application services, outsourcing services, and network equipment services and other related services. China Telecom also provides wireline, internet and mobile value-added services including super cordless telephone services, SMS, caller ID services, color ring tone services, and telephone payment services. China Telecom through its subsidiaries operates in various geographical regions including the Americas, Europe, Asia-Pacific and Africa. The company is headquartered in Beijing, China.The company reported revenues of (Renminbi) CNY393,561 million for the fiscal year ended December 2020 (FY2020), an increase of 4.7% over FY2019. In FY2020, the company's operating margin was 7.3%, compared to an operating margin of 7.7% in FY2019. In FY2020, the company recorded a net margin of 5.3%, compared to a net margin of 5.5% in FY2019.

The company reported revenues of CNY110,004 million for the third quarter ended September 2021, a decrease of 2.1% over the previous quarter.

Business Description

China Telecom Corporation Limited (China Telecom or 'the company') offers a range of telecommunications services, including wireline voice services, mobile voice services, internet access services and value-added services. The company also offers integrated information application services, telecommunications network resource services and lease of network equipment services and other related services. It primarily operates in China.

The company classifies its business operations into five reportable segments: internet services, voice services, information and application services, telecommunications network resource and equipment services, and others.

Under internet services segment, it provides wireline internet access services, including dial-up and broadband services, and wireless internet access services. As of December 2020, the company had 153.5 million wireline broadband subscribers. In FY2020, the internet services segment reported revenue of CNY208,019 million, which accounted for 52.9% of the company's revenue.

Under voice services segment, the company offers services such as local calls, domestic long distance calls, international long distance calls, intra-provincial roaming, inter-provincial roaming and international roaming. As of December 2020, the company had a mobile subscriber base of 351 million and 107.9 million wireline telephone subscribers. In FY2020, the voice services segment reported revenue of CNY40,866 million, which accounted for 10.4% of the company's revenue.

Under information and application services segment, it provides various services such as Internet protocol TV, Whole-home WiFi, Family Cloud, e-Surfing Webcam, IDC, cloud computing, content delivery networks, Big Data, digital platform and system integration related services. It also provides caller display, SMS, multimedia messaging services, email services and music related content and applications services. As of December 2020, the company had 115.9 million e-surfing HD subscribers, and 237.6

million IoT connected devices. In FY2020, the information application services segment reported revenue of CNY96,885 million, which accounted for 24.6% of the company's revenue.

Under telecommunications network resource and equipment services segment, the company provides services relating to optic fiber and circuits such as the use of optic fiber and circuit; virtual private network; and use of bandwidth. It offers its services to large enterprise customers such as government authorities, large corporations and institutions. It also collaborates with various international telecommunications service providers to build global communications networks for multinational corporations. In FY2020, the segment reported revenue of CNY22,623 million, which accounted for 5.7% of the company's revenue.

Under others segment, the company is involved in sales, repairs and maintenance of customer-end equipment. In FY2020, the others segment reported revenue of CNY25,168 million, which accounted for 6.4% of the company's revenue.

Company

Company Name: China United Network Communications Ltd

China United Network Communications Ltd (China United Network Communications) is a provider of broadband communications and information services. The company offers services related to fixed and mobile communications, domestic and international communications, satellite international private leased circuit (IPLC), data communications, network access, and value-added telecom services. It is also involved in providing voice, data, image and multimedia communications and information services. It provides services under the WO brand. The company primarily operates in China and Hong Kong. China United Network Communications is headquartered in Beijing, China

The company reported revenues of (Renminbi) CNY303,838.1 million for the fiscal year ended December 2020 (FY2020), an increase of 4.6% over FY2019. In FY2020, the company's operating margin was 5.1%, compared to an operating margin of 4.6% in FY2019. In FY2020, the company recorded a net margin of 1.8%, compared to a net margin of 1.7% in FY2019.

The company reported revenues of CNY80,314.7 million for the third quarter ended September 2021, a decrease of 1.9% over the previous quarter.

Head office: No. 21 Jingrong Street, , Beijing, Beijing, China

Telephone: 861066259179

Fax: 861066259544

Number of Employees: 242121

Website: www.chinaunicom-a.com

Financial Year End: December

Company Overview

China United Network Communications Ltd (China United Network Communications) is a provider of broadband communications and information services. The company offers services related to fixed and mobile communications, domestic and international communications, satellite international private leased circuit (IPLC), data communications, network access, and value-added telecom services. It is also involved in providing voice, data, image and multimedia communications and information services. It provides services under the WO brand. The company primarily operates in China and Hong Kong. China United Network Communications is headquartered in Beijing, ChinaThe company reported revenues of (Renminbi) CNY303,838.1 million for the fiscal year ended December 2020 (FY2020), an increase of 4.6% over FY2019. In FY2020, the company's operating margin was 5.1%, compared to an operating margin of 4.6% in FY2019. In FY2020, the company recorded a net margin of 1.8%, compared to a net margin of 1.7% in FY2019.

The company reported revenues of CNY80,314.7 million for the third quarter ended September 2021, a decrease of 1.9% over the previous quarter.

Market Definition

The Mobile Phones market includes mobile phone service revenues and average minutes of use (MOU). Market values are made up of total mobile revenues containing revenues from mobile service providers and other members of the mobile service value-chain for the provision of mobile telephony services,

excluding revenues from the sale of devices. Market volumes are made up of two segments: prepaid and postpaid, which consist of prepaid average monthly MOU and postpaid average monthly MOU. Minutes of use are made up from the average of voice minutes used in mobile subscriptions, including both incoming and outgoing calls, but not including M2M/IoT voice services.

All market data and forecasts are represented in nominal terms (i.e. without adjustment for inflation) and all currency conversions used in the creation of this report have been calculated using constant 2021 annual average exchange rates.

Forecast figures in this report have taken into account the estimated impact that the COVID-19 pandemic will have on the market, though the length of the pandemic and restrictions imposed by governments around the world is not certain, therefore the impact on the market is difficult to predict.

For the purposes of this report, the global market consists of North America, South America, Europe, Asia-Pacific, Middle East, South Africa and Nigeria.

North America consists of Canada, Mexico, and the United States.

South America comprises Argentina, Brazil, Chile, Colombia, and Peru.

Europe comprises Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

Scandinavia comprises Denmark, Finland, Norway, and Sweden.

Asia-Pacific comprises Australia, China, Hong Kong, India, Indonesia, Kazakhstan, Japan, Malaysia, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam.

Middle East comprises Egypt, Israel, Saudi Arabia, and United Arab Emirates.

CO	cthkng : China Mobile Limited | lianto : China Unicom (Hong Kong) Ltd | cmbile : China Mobile Communications Corp | chunte : China United Network Communications Limited
IN	i7902202 : Mobile Telecommunications | icellph : Cell/Mobile/Smart Phones | i3302 : Computers/Consumer Electronics | i3441 : Telecommunications Equipment | i34411 : Mobile Communications Devices | i3454 : Personal Electronics | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | ielec : Consumer Electronics | ihandaps : Handheld Electronic Devices | itech : Technology
NS	ccat : Corporate/Industrial News | ciprof : Industry Profile | cmarkr : Market Research | c151 : Earnings | c13 : Regulation/Government Policy | c15 : Financial Performance | cdom : Domestic/Foreign Markets | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	china : China | easiaz : Eastern Asia | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
PUB	Progressive Digital Media Ltd
AN	Document DMRP000020220322ei3m000yf

HD	**Huawei; China's Guangdong-Hong Kong-Macao Greater Bay Area Is Building an All-Optical Network Cluster to Drive Green Digital Economy**
WC	1,003 words
PD	28 February 2022
SN	Global Warming Focus
SC	GLOWRM
PG	46
LA	English
CY	© Copyright 2022 Global Warming Focus via VerticalNews.com

LP

2022 FEB 28 (VerticalNews) -- By a News Reporter-Staff News Editor at Global Warming Focus -- As one of China's most economically developed and internationalized regions, the Guangdong-Hong Kong-Macao Greater Bay Area has a complete industry system and is vigorously promoting the development of green and low-carbon network technologies. In recent years, Huawei and China Mobile Guangdong have jointly built an all-optical network cluster for the Greater Bay Area. The world's largest green all-optical switching hub network is built based on continuous ICT innovation and aims to help thousands of industries enjoy advanced network technologies while further saving energy and reducing emissions, thereby making the digital economy greener.

All-optical networks are deployed to replace legacy **devices**, reducing carbon emissions

TD

As the communication medium of all-optical network clusters, optical fibers have an unparalleled advantage over copper lines when it comes to bandwidth, latency, anti-interference, and reliability, in addition to reducing power consumption by 60% to 75%. Indeed, optical fibers are the greenest communication medium. By using Huawei OTN devices that apply optical communication technologies, China Mobile Guangdong is promoting the retirement of power-hungry and inefficient SDH devices in multiple cities such as Huizhou and Shaoguan. Currently, SDH modernization has been implemented for about 5000 SDH devices, saving 3000 square meters of space. Additionally, about 7.9 million kWh of electricity is saved and over 5000 tons of carbon emissions are reduced each year, which is equivalent to planting 196,000 trees.

Moreover, China Mobile Guangdong has introduced Huawei's innovative all-optical cross-connect (OXC) and deployed more than 110 OXC devices in the Greater Bay Area, building the world's largest "green all-optical switching hub." This reduces the number of cabinets per site from 5-8 to only one, reducing equipment room footprint by about 70% and power consumption by around 30%. At the same time, the grooming capability of a single node is improved 10 fold, and 3D and mesh networking of up to 32 directions is implemented. This reduces electricity use by about 2.3 million kWh and carbon emissions by over 1400 tons every year, which is equivalent to planting 49,000 trees.

The 2000 OTN optical nodes deployed on the all-optical network cluster cover 21 cities and more than 130,000 villages in Guangdong province, enabling ultra-low latency circles in the Greater Bay Area. Specifically, 1ms intra-city latency circles, 2ms inter-city latency circles, and a 3ms latency circle within the entire Greater Bay Area have been built.

All-optical network cluster drives the development of the high-quality green digital economy in China

In 2021, Guangdong proposed the Digital Government 2.0 Plan to provide leading government services and achieve 100% local processing of high-frequency services, intra-province services, cross-province services, and other services in the Greater Bay Area.

Take the city of Zhongshan in Guangdong as an example. In the past, each functional department built and managed its own network, resulting in information silos. Data could not be converged, making cross-department data exchange difficult and affecting the service experience of enterprise and individual customers. In 2021, Zhongshan successfully integrated multiple networks of different departments into one all-optical e-Government extranet through the OTN premium private network. This network connects 24 towns/subdistricts and extends to 277 village nodes, providing nearby, one-off service handling anytime. In this way, 3387 administrative approval items can be handled online and require no more than one visit, while 3206 items can be handled locally.

Shenzhen, one of the three major financial centers in the Chinese Mainland, has a strong demand for network services that enable financial transactions. To meet this demand, China Mobile Guangdong cooperated with China Mobile International Limited to explore product innovation and built financial private lines featuring ultra-low latency, ultra-high reliability, ultra-fast provisioning, and ultra-high assurance. These private lines have advantages including high bandwidth and convenient capacity expansion, better satisfying the requirements of financial customers on latency, security, and reliability.

Due to the pandemic, offline activities have been greatly affected. However, online activities, such as cloud-based exhibitions, shopping, and music festivals, have presented new opportunities for the digital economy. In southern China, a large number of flowers and plants are sold around the Spring Festival, as many people use them to decorate their homes during this time. Against this backdrop, the Cloud Flower Fair was launched, allowing one-click flower delivery. This not only promotes consumption, but also avoids overcrowding and reduces the risk of contact during the pandemic. During the Spring Festival in 2022, 114 million pots of flowers were delivered in Guangdong, half of which were sold through the Cloud Flower Fair. The sales revenue was nearly CNY1.6 billion.

Another example is a Cantonese opera festival that has been held based on the all-optical network cluster. Network media technologies are used to promote opera arts, enabling more young people to become aware of traditional Chinese culture. The number of live broadcast views exceeded 18 million.

So far, the all-optical network cluster in the Greater Bay Area has served over 110 million individuals, 18 million households, and 2million enterprises, while reducing electricity use by over 10 million kWh and carbon emissions by over 6400 tons for local communication networks each year. Also, the network supports the digital transformation of 17,000 industrial enterprises and helps 550,000 MSMEs to implement cloudification, improve their service speed and quality, reduce costs, and enhance efficiency. Overall, the network has reduced carbon emissions by over 800,000 tons.

Keywords for this news article include: Asia, China, Business, Cybersecurity, Climate Change, Global Warming, Greenhouse Gases, Network Technologies, Huawei Technologies Co. Ltd., Information Technology Companies, Telecommunications Equipment Companies.

LP

A concept photo of <mark>metaverse</mark> Photo: VCG

The China Mobile Communications Association (CMCA)'s <mark>metaverse</mark> council, the country's first <mark>metaverse</mark> industry group, has signed a strategic partnership with the Asia Digital Bank, in a bid to jointly explore the new digital finance and trade <mark>ecosystem</mark> in the <mark>metaverse</mark> era, an official said on Tuesday.

TD

The move will also focus on promoting cooperation in the digital economy's development with countries and regions along the routes of the Belt and Road Initiative (BRI), an executive director of the industry body told the Global Times.

According to a post on the council's official website, the metaverse council and the Asia Digital Bank will cooperate in five key directions following regulations in both China and Malaysia.

Apart from fostering cooperation with BRI participants, both sides aim to interconnect China's economy with the global digital economy through blockchain, while facilitating the issuance, trading and circulation of high-quality assets of the world's second-largest economy in the global market.

The two sides will offer more business services and support for metaverse-related projects under the offshore financial policy framework.

As for future cooperation with BRI economies, the metaverse council will continue to explore innovative models that empower industries through cutting-edge digital and financial technologies such as blockchain, Yu Jianing, executive director of the China Mobile Communication Association Metaverse Industry Council, told the Global Times on Tuesday.

Yu said that the council will seek to integrate both domestic and international digital and financial resources to offer diversified, customized, international and digital services, pushing for metaverse partnerships among China, ASEAN members and the rest of the world.

The Asia Digital Bank is the world's first digital bank with a self-financing system built on blockchain technology approved by the Malaysian authorities, while being guided and initiated by Chinese institutions based on digital and financial strategic cooperation under the BRI.

Analysts pointed out that China will be able to achieve more effective global cooperation with BRI economies and the rest of the world, as cooperation in the metaverse does not face physical limitations.

The strategic cooperation will provide a platform for connecting digital assets and banks with the metaverse following its integration with blockchain, Liu Dingding, a Beijing-based independent analyst, told the Global Times.

China is placing a strong emphasis on deepening the development of the digital silk road with a variety of measures, including digital economy cooperation with global partners, cooperation with BRI countries to ensure network infrastructure interconnection, and other areas, under a plan targeting the development of China's digital economy during the 14th Five-Year Plan period (2021-25) issued by the State Council, China's cabinet.

Liu added that digital collections involving non-fungible tokens are a typical format of the integration, while the digital product can help reduce circulation and printing costs and contribute to the construction of a low-carbon economy.

The Metaverse Industry Council released a convention on regulating the sector on Monday, which proposed that businesses related to the industry should be based on serving the real economy, while resisting the use of the metaverse for capital speculation and guarding against market bubbles.

CO	oblrve : One Belt, One Road Initiative | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	ibnk : Banking/Credit | ifinal : Financial Services | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	cpartn : Partnerships/Collaborations | ccat : Corporate/Industrial News
RE	china : China | malay : Malaysia | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | seasiaz : Southeast Asia
PUB	Global Times Co Ltd
AN	Document GLOTNE0020220223ei2n0000i

SE Up and Comers

HD **China's fourth state 5G carrier to open cellphone number registration in May**

BY Ward Zhou

WC 376 words

PD 21 February 2022

SN TechNode

SC TENOEN

LA English

CY © 2022 TechNode Media All rights reserved.

LP

China Broadcasting Network (CBN), a new state-backed 5G operator, announced on Feb. 17 that it will start operating a new line of mobile network services from mid-May.

Why it matters: CBN is a newcomer to China's telecom market and faces competition from three established state carriers (China Mobile, China Telecom, and China Unicom). Compared to existing players, CBN has access to an extensive broadcast ==content== library.

TD

* The network is funded and overseen by the National Radio and Television Administration (NRTA), China's official media regulation agency. The government agency provides basic public broadcast services across the country, including to remote rural areas, allowing the network to access an extensive content library, a large user base, and tap into the agency's existing infrastructure.

Details: CBN announced on Feb. 17 that it will start operating a new mobile phone number network from mid-May. It will issue cellphone numbers that begin with 192.

* CBN tested its mobile network services via the 192 numbers with a small number of users last year.

* The operator gained a radio bandwidth of 700 MHz N28 with a 5G license issued by the Ministry of Industry and Information Technology, one of China's internet and telecom regulators.

* CBN's radio band is considered low-frequency, generally lower than 1 GHz or 1000 MHz, which tends to have broader coverage, better indoor range, and is cheaper to build. However, low frequency also has a slower transiting speed.

Context: Formed in May 2014, CBN was approved by the State Council, China's cabinet, and funded by the state.

* In early 2021, CBN partnered with established state 5G operator China Mobile and reached an agreement to build and share the 700 Mz 5G network. CBN will also acquire China Mobile's 2.6 GHz network.

Of the three established Chinese telecom providers, China Mobile leads the 5G market with 386.8 million users, China Unicom follows with 187.8 million, and China Telecom has 154.9 million, according to C114, a Chinese media platform focused on the telecoms industry.

Fiber Optic cables connected to an optic ports and Network cables connected to ethernet ports.

CO lianto : China Unicom (Hong Kong) Ltd | cthkng : China Mobile Limited | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp

IN i7902202 : Mobile Telecommunications | idct : Digital Cellular Technology | icellph : Cell/Mobile/Smart Phones | i3302 : Computers/Consumer Electronics | i3303 : Networking | i3441 : Telecommunications Equipment | i34411 : Mobile Communications Devices | i3454 : Personal Electronics | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | ielec : Consumer Electronics | ihandaps : Handheld Electronic Devices | itech : Technology | iwrlssl : Wireless Area Network Technology

RE china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

IPD Up and Comers

PUB Shanghai Chuangyan Information Technology Co. Ltd.

AN Document TENOEN0020220221ei2l00003

Changyou Alliance Group Ltd

Changyou Alliance Group LtdChangyou Alliance Group Ltd (Changyou) is engaged in the trade of goods through operation of an electronic distribution platform and mobile applications. The company also operates electronic platform to facilitate...

HD	**China's Guangdong-Hong Kong-Macao Greater Bay Area Is Building an All-Optical Network Cluster to Drive Green Digital Economy**
CR	HUAWEI; PR Newswire
WC	975 words
PD	17 February 2022
ET	02:16
SN	PR Newswire Asia
SC	PRNASI
LA	English
CY	Copyright © 2022 PR Newswire Association LLC. All Rights Reserved.

LP

SHENZHEN, China, Feb. 17, 2022 /PRNewswire/ -- As one of China's most economically developed and internationalized regions, the Guangdong-Hong Kong-Macao Greater Bay Area has a complete industry system and is vigorously promoting the development of green and low-carbon network technologies. In recent years, Huawei and China Mobile Guangdong have jointly built an all-optical network cluster for the Greater Bay Area. The world's largest green all-optical switching hub network is built based on continuous ICT innovation and aims to help thousands of industries enjoy advanced network technologies while further saving energy and reducing emissions, thereby making the digital economy greener.

All-optical networks are deployed to replace legacy ==devices==, reducing carbon emissions

TD

As the communication medium of all-optical network clusters, optical fibers have an unparalleled advantage over copper lines when it comes to bandwidth, latency, anti-interference, and reliability, in addition to reducing power consumption by 60% to 75%. Indeed, optical fibers are the greenest communication medium. By using Huawei OTN devices that apply optical communication technologies, China Mobile Guangdong is promoting the retirement of power-hungry and inefficient SDH devices in multiple cities such as Huizhou and Shaoguan. Currently, SDH modernization has been implemented for about 5000 SDH devices, saving 3000 square meters of space. Additionally, about 7.9 million kWh of electricity is saved and over 5000 tons of carbon emissions are reduced each year, which is equivalent to planting 196,000 trees.

Moreover, China Mobile Guangdong has introduced Huawei's innovative all-optical cross-connect (OXC) and deployed more than 110 OXC devices in the Greater Bay Area, building the world's largest "green all-optical switching hub." This reduces the number of cabinets per site from 5–8 to only one, reducing equipment room footprint by about 70% and power consumption by around 30%. At the same time, the grooming capability of a single node is improved 10 fold, and 3D and mesh networking of up to 32 directions is implemented. This reduces electricity use by about 2.3 million kWh and carbon emissions by over 1400 tons every year, which is equivalent to planting 49,000 trees.

The 2000 OTN optical nodes deployed on the all-optical network cluster cover 21 cities and more than 130,000 villages in Guangdong province, enabling ultra-low latency circles in the Greater Bay Area. Specifically, 1ms intra-city latency circles, 2ms inter-city latency circles, and a 3ms latency circle within the entire Greater Bay Area have been built.

All-optical network cluster drives the development of the high-quality green digital economy in China

In 2021, Guangdong proposed the Digital Government 2.0 Plan to provide leading government services and achieve 100% local processing of high-frequency services, intra-province services, cross-province services, and other services in the Greater Bay Area.

Take the city of Zhongshan in Guangdong as an example. In the past, each functional department built and managed its own network, resulting in information silos. Data could not be converged, making cross-department data exchange difficult and affecting the service experience of enterprise and individual customers. In 2021, Zhongshan successfully integrated multiple networks of different departments into one all-optical e-Government extranet through the OTN premium private network. This network connects 24 towns/subdistricts and extends to 277 village nodes, providing nearby, one-off service handling anytime. In this way, 3387 administrative approval items can be handled online and require no more than one visit, while 3206 items can be handled locally.

Shenzhen, one of the three major financial centers in the Chinese Mainland, has a strong demand for network services that enable financial transactions. To meet this demand, China Mobile Guangdong cooperated with China Mobile International Limited to explore product innovation and built financial private lines featuring ultra-low latency, ultra-high reliability, ultra-fast provisioning, and ultra-high assurance. These private lines have advantages including high bandwidth and convenient capacity expansion, better satisfying the requirements of financial customers on latency, security, and reliability.

Due to the pandemic, offline activities have been greatly affected. However, online activities, such as cloud-based exhibitions, shopping, and music festivals, have presented new opportunities for the digital economy. In southern China, a large number of flowers and plants are sold around the Spring Festival, as many people use them to decorate their homes during this time. Against this backdrop, the Cloud Flower Fair was launched, allowing one-click flower delivery. This not only promotes consumption, but also avoids overcrowding and reduces the risk of contact during the pandemic. During the Spring Festival in 2022, 114 million pots of flowers were delivered in Guangdong, half of which were sold through the Cloud Flower Fair. The sales revenue was nearly CNY1.6 billion.

Another example is a Cantonese opera festival that has been held based on the all-optical network cluster. Network media technologies are used to promote opera arts, enabling more young people to become aware of traditional Chinese culture. The number of live broadcast views exceeded 18 million.

So far, the all-optical network cluster in the Greater Bay Area has served over 110 million individuals, 18 million households, and 2million enterprises, while reducing electricity use by over 10 million kWh and carbon emissions by over 6400 tons for local communication networks each year. Also, the network supports the digital transformation of 17,000 industrial enterprises and helps 550,000 MSMEs to implement cloudification, improve their service speed and quality, reduce costs, and enhance efficiency. Overall, the network has reduced carbon emissions by over 800,000 tons.

SOURCE HUAWEI

https://rt.prnewswire.com/rt.gif?NewsItemId=AE64188&Transmission_Id=202202162116PR_NEWS_ASP R____AE64188&DateId=20220216

HD	**China's Guangdong-Hong Kong-Macao Greater Bay Area Is Building an All-Optical Network Cluster to Drive Green Digital Economy**
CR	HUAWEI; Canada NewsWire
WC	1,017 words
PD	17 February 2022
ET	02:16
SN	Canada NewsWire
SC	CNNW
LA	English
CY	Copyright © 2022 Canada NewsWire Ltd. All rights reserved.
LP	

SHENZHEN, China, Feb. 16, 2022 /CNW/ -- As one of China's most economically developed and internationalized regions, the Guangdong-Hong Kong-Macao Greater Bay Area has a complete industry system and is vigorously promoting the development of green and low-carbon network technologies. In recent years, Huawei and China Mobile Guangdong have jointly built an all-optical network cluster for the Greater Bay Area. The world's largest green all-optical switching hub network is built based on continuous ICT innovation and aims to help thousands of industries enjoy advanced network technologies while further saving energy and reducing emissions, thereby making the digital economy greener.

All-optical networks are deployed to replace legacy **devices**, reducing carbon emissions

TD	

As the communication medium of all-optical network clusters, optical fibers have an unparalleled advantage over copper lines when it comes to bandwidth, latency, anti-interference, and reliability, in addition to reducing power consumption by 60% to 75%. Indeed, optical fibers are the greenest communication medium. By using Huawei OTN devices that apply optical communication technologies, China Mobile Guangdong is promoting the retirement of power-hungry and inefficient SDH devices in multiple cities such as Huizhou and Shaoguan. Currently, SDH modernization has been implemented for about 5000 SDH devices, saving 3000 square meters of space. Additionally, about 7.9 million kWh of electricity is saved and over 5000 tons of carbon emissions are reduced each year, which is equivalent to planting 196,000 trees.

Moreover, China Mobile Guangdong has introduced Huawei's innovative all-optical cross-connect (OXC) and deployed more than 110 OXC devices in the Greater Bay Area, building the world's largest "green all-optical switching hub." This reduces the number of cabinets per site from 5–8 to only one, reducing equipment room footprint by about 70% and power consumption by

around 30%. At the same time, the grooming capability of a single node is improved 10 fold, and 3D and mesh networking of up to 32 directions is implemented. This reduces electricity use by about 2.3 million kWh and carbon emissions by over 1400 tons every year, which is equivalent to planting 49,000 trees.

The 2000 OTN optical nodes deployed on the all-optical network cluster cover 21 cities and more than 130,000 villages in Guangdong province, enabling ultra-low latency circles in the Greater Bay Area. Specifically, 1ms intra-city latency circles, 2ms inter-city latency circles, and a 3ms latency circle within the entire Greater Bay Area have been built.

All-optical network cluster drives the development of the high-quality green digital economy in China

In 2021, Guangdong proposed the Digital Government 2.0 Plan to provide leading government services and achieve 100% local processing of high-frequency services, intra-province services, cross-province services, and other services in the Greater Bay Area.

Take the city of Zhongshan in Guangdong as an example. In the past, each functional department built and managed its own network, resulting in information silos. Data could not be converged, making cross-department data exchange difficult and affecting the service experience of enterprise and individual customers. In 2021, Zhongshan successfully integrated multiple networks of different departments into one all-optical e-Government extranet through the OTN premium private network. This network connects 24 towns/subdistricts and extends to 277 village nodes, providing nearby, one-off service handling anytime. In this way, 3387 administrative approval items can be handled online and require no more than one visit, while 3206 items can be handled locally.

Shenzhen, one of the three major financial centers in the Chinese Mainland, has a strong demand for network services that enable financial transactions. To meet this demand, China Mobile Guangdong cooperated with China Mobile International Limited to explore product innovation and built financial private lines featuring ultra-low latency, ultra-high reliability, ultra-fast provisioning, and ultra-high assurance. These private lines have advantages including high bandwidth and convenient capacity expansion, better satisfying the requirements of financial customers on latency, security, and reliability.

Due to the pandemic, offline activities have been greatly affected. However, online activities, such as cloud-based exhibitions, shopping, and music festivals, have presented new opportunities for the digital economy. In southern China, a large number of flowers and plants are sold around the Spring Festival, as many people use them to decorate their homes during this time. Against this backdrop, the Cloud Flower Fair was launched, allowing one-click flower delivery. This not only promotes consumption, but also avoids overcrowding and reduces the risk of contact during the pandemic. During the Spring Festival in 2022, 114 million pots of flowers were delivered in Guangdong, half

of which were sold through the Cloud Flower Fair. The sales revenue was nearly CNY1.6 billion.

Another example is a Cantonese opera festival that has been held based on the all-optical network cluster. Network media technologies are used to promote opera arts, enabling more young people to become aware of traditional Chinese culture. The number of live broadcast views exceeded 18 million.

So far, the all-optical network cluster in the Greater Bay Area has served over 110 million individuals, 18 million households, and 2million enterprises, while reducing electricity use by over 10 million kWh and carbon emissions by over 6400 tons for local communication networks each year. Also, the network supports the digital transformation of 17,000 industrial enterprises and helps 550,000 MSMEs to implement cloudification, improve their service speed and quality, reduce costs, and enhance efficiency. Overall, the network has reduced carbon emissions by over 800,000 tons.

https://c212.net/c/img/favicon.png?sn=CN64188&sd=2022-02-16

View original content:
https://www.prnewswire.com/news-releases/chinas-guangdong-hong-kong-macao-greater-bay-area-is-building-an-all-optical-network-cluster-to-drive-green-digital-economy-301484393.html

SOURCE HUAWEI

https://rt.prnewswire.com/rt.gif?NewsItemId=C3071&Transmission_Id=202202162116CANADANWCANADAPR_C3071&DateId=20220216

CT	Tianhan Chen, chentianhan@huawei.com
CO	huawt : Huawei Technologies Co Ltd	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp	shhiah : Huawei Investment Holding Co. Ltd.
IN	i3303 : Networking	i3302 : Computers/Consumer Electronics	itech : Technology	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications	iwrlssl : Wireless Area Network Technology
NS	gqual : Environmental Pollution	npress : Press Releases	c23 : Research/Development	ccat : Corporate/Industrial News	gcat : Political/General News	genv : Natural Environment	ncat : Content Types
RE	china : China	guang : Guangdong	hkong : Hong Kong	shenzh : Shenzhen	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
IPD	HUAWEI-NETWORK
IPC	ITE
PUB	PR Newswire Association, Inc.
AN	Document CNNW000020220217ei2h000gp

HD	**(PR) China's Guangdong-Hong Kong-Macao Greater Bay Area Is Building an All-Optical Network Cluster to Drive Green Digital Economy**
WC	990 words
PD	17 February 2022
ET	02:16
SN	PR Newswire
SC	PRN
LA	English
CY	
LP	

SHENZHEN, China, Feb. 16, 2022 /PRNewswire/ -- As one of China's most economically developed and internationalized regions, the Guangdong-Hong Kong-Macao Greater Bay Area has a complete industry system and is vigorously promoting the development of green and low-carbon network technologies. In recent years, Huawei and China Mobile Guangdong have jointly built an all-optical network cluster for the Greater Bay Area. The world's largest green all-optical switching hub network is built based on continuous ICT innovation and aims to help thousands of industries enjoy advanced network technologies while further saving energy and reducing emissions, thereby making the digital economy greener.

All-optical networks are deployed to replace legacy **devices**, reducing carbon emissions

TD	

As the communication medium of all-optical network clusters, optical fibers have an unparalleled advantage over copper lines when it comes to bandwidth, latency, anti-interference, and reliability, in addition to reducing power consumption by 60% to 75%. Indeed, optical fibers are the greenest communication medium. By using Huawei OTN devices that apply optical communication technologies, China Mobile Guangdong is promoting the retirement of power-hungry and inefficient SDH devices in multiple cities such as Huizhou and Shaoguan. Currently, SDH modernization has been implemented for about 5000 SDH devices, saving 3000 square meters of space. Additionally, about 7.9 million kWh of electricity is saved and over 5000 tons of carbon emissions are reduced each year, which is equivalent to planting 196,000 trees.

Moreover, China Mobile Guangdong has introduced Huawei's innovative all-optical cross-connect (OXC) and deployed more than 110 OXC devices in the Greater Bay Area, building the world's largest "green all-optical switching hub." This reduces the number of cabinets per site from 5--8 to only one, reducing equipment room footprint by about 70% and power consumption by around 30%. At the same time, the grooming capability of a single node is improved 10 fold, and 3D and mesh

networking of up to 32 directions is implemented. This reduces electricity use by about 2.3 million kWh and carbon emissions by over 1400 tons every year, which is equivalent to planting 49,000 trees.

The 2000 OTN optical nodes deployed on the all-optical network cluster cover 21 cities and more than 130,000 villages in Guangdong province, enabling ultra-low latency circles in the Greater Bay Area. Specifically, 1ms intra-city latency circles, 2ms inter-city latency circles, and a 3ms latency circle within the entire Greater Bay Area have been built.

All-optical network cluster drives the development of the high-quality green digital economy in China

In 2021, Guangdong proposed the Digital Government 2.0 Plan to provide leading government services and achieve 100% local processing of high-frequency services, intra-province services, cross-province services, and other services in the Greater Bay Area.

Take the city of Zhongshan in Guangdong as an example. In the past, each functional department built and managed its own network, resulting in information silos. Data could not be converged, making cross-department data exchange difficult and affecting the service experience of enterprise and individual customers. In 2021, Zhongshan successfully integrated multiple networks of different departments into one all-optical e-Government extranet through the OTN premium private network. This network connects 24 towns/subdistricts and extends to 277 village nodes, providing nearby, one-off service handling anytime. In this way, 3387 administrative approval items can be handled online and require no more than one visit, while 3206 items can be handled locally.

Shenzhen, one of the three major financial centers in the Chinese Mainland, has a strong demand for network services that enable financial transactions. To meet this demand, China Mobile Guangdong cooperated with China Mobile International Limited to explore product innovation and built financial private lines featuring ultra-low latency, ultra-high reliability, ultra-fast provisioning, and ultra-high assurance. These private lines have advantages including high bandwidth and convenient capacity expansion, better satisfying the requirements of financial customers on latency, security, and reliability.

Due to the pandemic, offline activities have been greatly affected. However, online activities, such as cloud-based exhibitions, shopping, and music festivals, have presented new opportunities for the digital economy. In southern China, a large number of flowers and plants are sold around the Spring Festival, as many people use them to decorate their homes during this time. Against this backdrop, the Cloud Flower Fair was launched, allowing one-click flower delivery. This not only promotes consumption, but also avoids overcrowding and reduces the risk of contact during the pandemic. During the Spring Festival in 2022, 114 million pots of flowers were delivered in Guangdong, half of which were sold through the Cloud Flower Fair. The sales revenue was nearly CNY1.6 billion.

Another example is a Cantonese opera festival that has been held based on the all-optical network cluster. Network media technologies are used to promote opera arts, enabling more young people to become aware of traditional Chinese culture. The number of live broadcast views exceeded 18 million.

So far, the all-optical network cluster in the Greater Bay Area has served over 110 million individuals, 18 million households, and 2million enterprises, while reducing electricity use by over 10 million kWh and carbon emissions by over 6400 tons for local communication networks each year. Also, the network supports the digital transformation of 17,000 industrial enterprises and helps 550,000 MSMEs to implement cloudification, improve their service speed and quality, reduce costs, and enhance efficiency. Overall, the network has reduced carbon emissions by over 800,000 tons.

View original content: https://www.prnewswire.com/news-releases/chinas-guangdong-hong-kong-macao-greater-bay-area-is-building-an-all-optical-network-cluster-to-drive-green-digital-economy-301484393.html

SOURCE HUAWEI

/CONTACT: Tianhan Chen, chentianhan@huawei.com

(END)

CO	huawt : Huawei Technologies Co Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp | shhiah : Huawei Investment Holding Co. Ltd.
IN	i3303 : Networking | i3302 : Computers/Consumer Electronics | itech : Technology | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | iwrlssl : Wireless Area Network Technology
NS	gqual : Environmental Pollution | npress : Press Releases | c23 : Research/Development | ccat : Corporate/Industrial News | gcat : Political/General News | genv : Natural Environment | ncat : Content Types
RE	china : China | guang : Guangdong | shenzh : Shenzhen | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	PR Newswire Association, Inc.
AN	Document PRN0000020220217ei2h0000p

HD   China's Guangdong-Hong Kong-Macao Greater Bay Area Is Building an All-Optical Network Cluster to Drive Green Digital Economy

CR   HUAWEI; PR Newswire

WC   974 words

PD   17 February 2022

ET   02:16

SN   PR Newswire Europe

SC   TWOTEN

LA   English

CY   Copyright © 2022 PR Newswire Europe Limited. All Rights Reserved.

LP

SHENZHEN, China, Feb. 17, 2022 /PRNewswire/ -- As one of China's most economically developed and internationalized regions, the Guangdong-Hong Kong-Macao Greater Bay Area has a complete industry system and is vigorously promoting the development of green and low-carbon network technologies. In recent years, Huawei and China Mobile Guangdong have jointly built an all-optical network cluster for the Greater Bay Area. The world's largest green all-optical switching hub network is built based on continuous ICT innovation and aims to help thousands of industries enjoy advanced network technologies while further saving energy and reducing emissions, thereby making the digital economy greener.

All-optical networks are deployed to replace legacy **devices**, reducing carbon emissions

TD

As the communication medium of all-optical network clusters, optical fibers have an unparalleled advantage over copper lines when it comes to bandwidth, latency, anti-interference, and reliability, in addition to reducing power consumption by 60% to 75%. Indeed, optical fibers are the greenest communication medium. By using Huawei OTN devices that apply optical communication technologies, China Mobile Guangdong is promoting the retirement of power-hungry and inefficient SDH devices in multiple cities such as Huizhou and Shaoguan. Currently, SDH modernization has been implemented for about 5000 SDH devices, saving 3000 square meters of space. Additionally, about 7.9 million kWh of electricity is saved and over 5000 tons of carbon emissions are reduced each year, which is equivalent to planting 196,000 trees.

Moreover, China Mobile Guangdong has introduced Huawei's innovative all-optical cross-connect (OXC) and deployed more than 110 OXC devices in the Greater Bay Area, building the world's largest "green all-optical switching hub." This reduces the number of cabinets per site from 5–8 to only one, reducing equipment room footprint by about 70% and power consumption by around 30%. At the same time, the grooming capability of a single node is improved 10 fold, and 3D and mesh networking of up to 32 directions is implemented. This reduces electricity use by about 2.3 million kWh and carbon emissions by over 1400 tons every year, which is equivalent to planting 49,000 trees.

The 2000 OTN optical nodes deployed on the all-optical network cluster cover 21 cities and more than 130,000 villages in Guangdong province, enabling ultra-low latency circles in the Greater Bay Area. Specifically, 1ms intra-city latency circles, 2ms inter-city latency circles, and a 3ms latency circle within the entire Greater Bay Area have been built.

All-optical network cluster drives the development of the high-quality green digital economy in China

In 2021, Guangdong proposed the Digital Government 2.0 Plan to provide leading government services and achieve 100% local processing of high-frequency services, intra-province services, cross-province services, and other services in the Greater Bay Area.

Take the city of Zhongshan in Guangdong as an example. In the past, each functional department built and managed its own network, resulting in information silos. Data could not be converged, making cross-department data exchange difficult and affecting the service experience of enterprise and individual customers. In 2021, Zhongshan successfully integrated multiple networks of different departments into one all-optical e-Government extranet through the OTN premium private network. This network connects 24 towns/subdistricts and extends to 277 village nodes, providing nearby, one-off service handling anytime. In

this way, 3387 administrative approval items can be handled online and require no more than one visit, while 3206 items can be handled locally.

Shenzhen, one of the three major financial centers in the Chinese Mainland, has a strong demand for network services that enable financial transactions. To meet this demand, China Mobile Guangdong cooperated with China Mobile International Limited to explore product innovation and built financial private lines featuring ultra-low latency, ultra-high reliability, ultra-fast provisioning, and ultra-high assurance. These private lines have advantages including high bandwidth and convenient capacity expansion, better satisfying the requirements of financial customers on latency, security, and reliability.

Due to the pandemic, offline activities have been greatly affected. However, online activities, such as cloud-based exhibitions, shopping, and music festivals, have presented new opportunities for the digital economy. In southern China, a large number of flowers and plants are sold around the Spring Festival, as many people use them to decorate their homes during this time. Against this backdrop, the Cloud Flower Fair was launched, allowing one-click flower delivery. This not only promotes consumption, but also avoids overcrowding and reduces the risk of contact during the pandemic. During the Spring Festival in 2022, 114 million pots of flowers were delivered in Guangdong, half of which were sold through the Cloud Flower Fair. The sales revenue was nearly CNY1.6 billion.

Another example is a Cantonese opera festival that has been held based on the all-optical network cluster. Network media technologies are used to promote opera arts, enabling more young people to become aware of traditional Chinese culture. The number of live broadcast views exceeded 18 million.

So far, the all-optical network cluster in the Greater Bay Area has served over 110 million individuals, 18 million households, and 2million enterprises, while reducing electricity use by over 10 million kWh and carbon emissions by over 6400 tons for local communication networks each year. Also, the network supports the digital transformation of 17,000 industrial enterprises and helps 550,000 MSMEs to implement cloudification, improve their service speed and quality, reduce costs, and enhance efficiency. Overall, the network has reduced carbon emissions by over 800,000 tons.

https://rt.prnewswire.com/rt.gif?NewsItemId=EN64188&Transmission_Id=202202162116PR_NEWS_EURO _ND__EN64188&DateId=20220216

CT   Tianhan Chen, chentianhan@huawei.com

CO   huawt : Huawei Technologies Co Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp | shhiah : Huawei Investment Holding Co. Ltd.

IN   i3303 : Networking | i3302 : Computers/Consumer Electronics | itech : Technology | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | iwrlssl : Wireless Area Network Technology

NS   gqual : Environmental Pollution | c23 : Research/Development | ccat : Corporate/Industrial News | npress : Press Releases | gcat : Political/General News | genv : Natural Environment | ncat : Content Types

RE   china : China | guang : Guangdong | shenzh : Shenzhen | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

IPD   HUAWEI-AllOpticalNetw

IPC   ITE

PUB   PR Newswire Association, Inc.

AN   Document TWOTEN0020220217ei2h0008d

HD	**China's Metaverse Industry Committee admits 17 new firms**
WC	203 words
PD	16 February 2022
ET	00:50
SN	Reuters News
SC	LBA
LA	English
CY	Copyright 2022 Thomson Reuters. All Rights Reserved.

LP

SHANGHAI, Feb 16 (Reuters) - China's Metaverse Industry Committee said on Wednesday it has admitted 17 new firms, including three listed companies, according to a post on an official website.

The state-backed China Mobile Communications Association's Metaverse Industry Committee was set up in October, although analysts say the country's metaverse will be subject to more control than elsewhere.

TD

The committee said it had admitted listed firms including Inly Media Co Ltd and two Shenzhen bourse-listed companies Beijing Topnew Info&Tech Co Ltd and Beijing Quanshi World Online Network Information Co Ltd .

The notice was posted on the China Mobile Communications Association Metaverse Consensus Circle website.

Experts say China's metaverse efforts lag countries such as the United States and South Korea, citing less investment by domestic tech giants.

But interest has begun to surge. In the past year, more than 1,000 companies including heavyweights such as Alibaba Group Holding and Tencent Holdings Ltd have applied for around 10,000 metaverse-related trademarks, according to business tracking firm Tianyancha. (Reporting by Engen Tham and Wang Jing in Shanghai; Editing by Sherry Jacob-Phillips)

RF	Released: 2022-2-16T01:50:43.000Z
CO	bqwoni : Beijing Quanshi World Online Network Information Company Limited | inlymc : Inly Media Co Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i8385 : Digital Marketing | iadv : Advertising/Marketing/Public Relations | ibcs : Business/Consumer Services | imark : Marketing
NS	ccat : Corporate/Industrial News
RE	china : China | easiaz : Eastern Asia | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
IPD	Business
IPC	SERVICE:CSA
PUB	Reuters News & Media Inc.
AN	Document LBA0000020220216ei2g004ph

HD	**China's <mark>Metaverse</mark> Industry Committee admits 17 new firms**
WC	201 words
PD	16 February 2022
ET	00:55
SN	Reuters News
SC	LBA
LA	English
CY	Copyright 2022 Thomson Reuters. All Rights Reserved.
LP	

SHANGHAI (Reuters) - China's <mark>Metaverse</mark> Industry Committee said on Wednesday it has admitted 17 new firms, including three listed companies, according to a post on an official website.

The state-backed China Mobile Communications Association's <mark>Metaverse</mark> Industry Committee was set up in October, although analysts say the country's <mark>metaverse</mark> will be subject to more control than elsewhere.

TD

The committee said it had admitted listed firms including Inly Media Co Ltd and two Shenzhen bourse-listed companies Beijing Topnew Info&Tech Co Ltd and Beijing Quanshi World Online Network Information Co Ltd.

The notice was posted on the China Mobile Communications Association Metaverse Consensus Circle website.

Experts say China's metaverse efforts lag countries such as the United States and South Korea, citing less investment by domestic tech giants.

But interest has begun to surge. In the past year, more than 1,000 companies including heavyweights such as Alibaba Group Holding and Tencent Holdings Ltd have applied for around 10,000 metaverse-related trademarks, according to business tracking firm Tianyancha.

(Reporting by Engen Tham and Wang Jing in Shanghai; Editing by Sherry Jacob-Phillips)

RF	Released: 2022-2-16T00:55:09.000Z
CO	bqwoni : Beijing Quanshi World Online Network Information Company Limited	inlymc : Inly Media Co Ltd	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications	i8385 : Digital Marketing	iadv : Advertising/Marketing/Public Relations	ibcs : Business/Consumer Services	imark : Marketing
NS	ccat : Corporate/Industrial News
RE	china : China	easiaz : Eastern Asia	hkong : Hong Kong	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies
IPD	Business
IPC	SERVICE:OUSTCM
PUB	Reuters News & Media Inc.
AN	Document LBA0000020220216ei2g0058x

HD	**I-CITY TO INVEST RM10 MLN TO ENHANCE THEME PARK WITH 3D <mark>METAVERSE</mark>**
BY	NORSYAFAWATI AB WAHAB
WC	225 words
PD	10 February 2022
SN	Bernama: The Malaysian National News Agency
SC	AIWBRN
LA	English
CY	Copyright 2022, Bernama: The Malaysian National News Agency. All Rights Reserved. Distributed by NewsBank, Inc.
LP	

SHAH ALAM, Feb 10 (Bernama)-- i-City Malaysia is embarking on a RM10 million digital transformation plan to enhance its theme park with an immersive 3D <mark>Metaverse</mark> experience.

i-City's head of Leisure, Tang Soke Cheng said the project will be implemented together with China Mobile International (CMIM), which is currently building the technology <mark>platform</mark> for the infusion of <mark>Metaverse</mark> in the i-City theme park.

TD

"The new experience will be unveiled at the 2023 New Year countdown, and the Metaverse experience is expected to draw 10 million visitors to the theme park in 2023," she said in a statement today.

CMIM's Enterprise director Jackie Chen Jiang Long said that the introduction of the 5G network this year is timely for the project.

"Metaverse requires 3D modalities to be transmitted digitally. This can be in the form of avatars and structures, among others. The more life-like the 3D model is, the more details it will require and the more data it will consume.

"As such, the implementation of 5G together with the hyperscale cloud computing infrastructure -- which i-City is currently building -- will be instrumental to the success of this project," said Chen.

--BERNAMA

TAG: i-City, theme park, China Mobile International, metaverse

NSF TLC NII

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i974122 : Amusement/Theme Parks | i97412 : Entertainment Venues | ilea : Leisure/Arts/Hospitality | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	ccat : Corporate/Industrial News
RE	malay : Malaysia | apacz : Asia Pacific | asiaz : Asia | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | seasiaz : Southeast Asia
PUB	Bernama (The Malaysian National News Agency)
AN	Document AIWBRN0020220211ei2a0002c

HD **All-optical networks bring harmony between humans and Asian elephants**

BY A Knowledge Network Article by Total Telecom

WC 817 words

PD 9 February 2022

SN Total Telecom Plus

SC TOTEL

LA English

CY © 2022 All content copyright, Terrapinn Holdings Limited. All rights reserved.

LP

With next-generation information technologies such as intelligent wireless network and gigabit optical network, **connectivity** has expanded in definition and application.

Today, many are turning to technology to unearth its limitless potential in bettering lives, enriching our environment and protecting natural resources. The project in Xishuangbanna is a case in point in demonstrating the use of the latest technology solutions to help in accelerating our **ecosystem** conservation efforts.

TD

Initiated by China Mobile Yunnan and Huawei, the "1-3-9" All-Optical Smart Cities project has enabled a real-time observation and warning system for Asian elephants in the region. The combination of "1-3-9" is derived from the latency within Kunming that is less than 1 ms, the latency in city groups in central Yunnan that is less than 3 ms, and lastly the latency in South Asia and Southeast Asia that is less than 9 ms.

Understanding the human-wildlife equation in Xishuangbanna

One of the world's most well-preserved tropical ecosystem, Xishuangbanna is where many of China's protected species reside. The area, locally known as the "emerald belt", is also home to the remaining Asian elephants, who have lived in perfect harmony with the local population for the last two decades. The number of wild Asian elephants has gone up from 170 in the 1980s to more than 300 now.

However, living in close proximity with the human population means that the behaviour and feeding pattern of the Asian elephants has also changed over the years, and the elephants have lost their fear of humans and vice versa. So much so that it is not uncommon to see giant elephants roaming around villages and farms and dining on farmers' crops.

The growing number of elephants means there is a need to prevent any conflict between hungry elephants and residents to ensure that they continue to live in harmony. This is crucial to maintain the ecological balance of the region.

Against this backdrop, preventing conflicts between hungry elephants and local residents has become a top priority in Yunnan's ecosystem conservation efforts. Even so, Asian elephant protection remains an essential task in the ecological development of the province.Leveraging technology to enable coexistence with wildlife Powered by an all-optical network, China deployed its first connected Asian elephant observation, protection, and warning system in November 2019. Real-time data collection and transmitting warnings demand highly reliable communications networks. Therefore, to ensure that there is no lag in the transmission, China Mobile Yunnan collaborated with Huawei to carry out the "1-3-9" All-Optical Smart Cities project to create a digital Yunnan by leveraging innovative smart wireless networks, optical network, cloud, Internet of Things (IoT), and other technologies. The project covered Kunming, central Yunnan, South Asia and Southeast Asia, as well as supported the digital transformation of cities in Yunnan, which enabled the holistic Asian elephant protection initiative as one of its key innovative applications. Made possible by the all-optical network, the observation and warning system has been able to collect 1.43 million images and send more than 6,000 warnings since its deployment in 2019. The deployment of the all-optical network has ensured that unplanned human-elephant encounters have significantly been reduced, with zero incidents of injured humans or any other conflict in the areas covered. High-quality (OTN premium) private lines ensure real-time and ultra-reliable backhaul of high-definition videos and observation data, greatly improving the intelligent elephant identification efficiency and enabling real-time

warning for local residents. In addition, the "1-3-9" all-optical network helps achieve collaborative management for Asian elephant protection in different regions and counties. Further, an ultra-low-latency optical transmission link from the data centre to a research centre in Kunming helps the two organizations to seamlessly work together and use the real-time data to boost research to enhance their understanding of Asian elephants.Conclusion The all-optical network has made it possible to ensure the safety of the Asian elephants while at the same time protecting human lives as well. It is a win-win scenario where both humans and wildlife are able to live freely without jeopardizing the security of the other. Latest technologies, when used innovatively, have the power to protect nature better and ensure that we can harmoniously coexist with the millions of species that share our home. The Xishuangbanna project can serve as a guide for other organizations looking to use technology to conserve the environment and leverage intelligent all-optical networks to bridge the digital divide. Buoyed by the success of this project, Huawei now plans to implement over 100 projects over the next five years across different fields, including educational equity, environmental protection, health and well-being, to continue to make lives better.

RF   512367

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications

NS   garig : Animal Rights | gnatcn : Environmental Protection | genv : Natural Environment | gcat : Political/General News | gcom : Society/Community | gsoc : Social Issues

RE   china : China | yunna : Yunnan | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

IPD   Analysis

PUB   Terrapinn Limited

AN   Document TOTEL00020220209ei2900001

HD   **China Mobile shares rise in Shanghai debut after US exit:**

WC   90 words

PD   30 January 2022

SN   Pakistan and Gulf Economist

SC   ASGULF

VOL 41

LA   English

CY   Copyright © 2022. Pakistan and Gulf Economist

LP

China Mobile shares have risen as they started trading in Shanghai after raising $7.7bn (£5.7bn) in China's biggest public offering in a decade. The shares opened 9.4% higher before ending the day just 0.5% higher. China Mobile's smaller rivals, China Telecom and China Unicom, have already made the move to their home country. The three firms were delisted from the New York Stock Exchange after a Trump-era decision to restrict ==investment== in Chinese technology companies.

CO   lianto : China Unicom (Hong Kong) Ltd | chntl : China Telecom Corporation Limited | cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited | chntlc : China Telecommunications Corporation | chunte : China United Network Communications Limited

IN   i7902 : Telecommunication Services | i79021 : Wired Telecommunications Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications

NS   cdelis : Stock Delistings | c1522 : Share Price Movement/Disruptions | c02 : Corporate Changes | c15 : Financial Performance | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfce : C&E Exclusion Filter | nfcpin : C&E Industry News Filter

RE   china : China | shahai : Shanghai | usa : United States | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | namz : North America

PUB Pakistan and Gulf Economist

AN   Document ASGULF0020220204ei1u0000v

HD	**China's <mark>Cloud Gaming Ecosystem</mark> Starts to Form**
WC	844 words
PD	19 January 2022
SN	EqualOcean
SC	EQOCEN
LA	English
CY	Copyright 2022. Beijing EO WangMeng Technology Co., Ltd.

LP

The Chinese <mark>gaming</mark> industry has been restless in the year 2021, with tightening up of regulatory standards and intensified competition. Meanwhile, another factor has contributed to the vibes in this space. <mark>Cloud gaming</mark> has been on everyone's lips for several years, but experts warn that its prevalence is highly dependent on the universal use of 5G. Since 2019, China has been leading in developing 5G technology and building base stations across the country. By the end of 2021, China had installed nearly 1.4 million stations (link in Chinese), and China Mobile vowed in November 2021 to deploy national coverage of 5G signals by the end of 2022.

TD

According to Newzoo, the global Cloud gaming market will grow at a CAGR of 101%, while the same figure for the Chinese market should reach 135%. It seems China's national endeavor on 5G is to generate positive externalities on the development of Cloud gaming in the country and would further strengthen China's global leadership in this space.

Cloud 1.jpg.jpg

Novel projects and startups comprise China's Cloud gaming ecosystem

As rapid infrastructure development provides fertile ground for Cloud gaming in China, many major players in the industry have initiated their own projects in the growing space.

For example, Tencent has developed two Cloud gaming platforms – GameMatrix and START. GameMatrix, formerly known as CMatrix, focuses on mobile Cloud games. START is currently a free platform for PC and console Cloud games, best known for its Cloud version of Fortnite, a famous battle royale shooting game on PC and console. Yet, Tencent's major competitors in China also started deployment in Cloud gaming in the past three years. In late 2019, NetEase began its beta test for NetEase Cloud Game, while ByteDance announced a closed test for its Cloud gaming platform Aoligame in January 2021. Seasun, another large game firm in China, developed a Cloud game client for its popular MMORPG – JX online III, reducing the game client size from 80GB to only 26MB. Cloud gaming also drew attention from live-streaming platforms. Huya and Douyu, the two biggest streaming platforms in China, introduced their Cloud gaming services in July and March separately.

Apart from game companies, leading Chinese tech firms have also spearheaded towards the upstream of Cloud gaming, releasing tech-driven Cloud platforms one after the other. China's telecom big three – China Mobile, China Telecom and China Unicom have all invested in Cloud-based gaming services. Huawei has also cast its power on gaming in its Huawei Cloud segment, aiming for "innovative technologies for low costs and improved experience" in Cloud gaming.

Cloud 2.jpg.jpg

Aside from tech giants, some startups providing Cloud gaming solutions in China look promising as well, with several obtaining funds from famous VCs in China, as well as from renowned game publishers. With an earlier round of financing by Xiaomi of CNY 150 million, WELL-LINK completed its CNY 400 million Series B in December 2021, led by Future Capital, followed by Xiaomi and miHoYo. In August 2021, the company helped miHoYo launch the Cloud version of Genshin Impact, a globally renowned ARPG mobile game owned by miHoYo. Another platform worth mentioning is Haima Cloud. The firm, featuring full-stack Cloud gaming solutions, gained CNY 280 million investment from UCloud (688158:SH) and Migu, a subsidiary wholly owned by China Mobile.

Forbidding expenses and limited network speed

However, Cloud gaming is a fairly risky business, especially for startups. The reasons are two-fold. First, there are so-called 'three mountains' in terms of the cost of Cloud gaming – the cost for servers, the cost for bandwidth and the cost for game IPs. Startups that do not possess their original games must either invest in developing new games or purchase IPs from large game publishers. Both require vast funds. Besides, as the number of players on the platform expands, upgrading servers to contain the increasing traffic becomes another source of financial burden.

On the other hand, Cloud gaming is powered by the ability of platforms to receive real-time commands from players and transmit the in-game feedbacks back to the players in the form of video streams. Therefore, to ensure an experience equivalent to playing with downloaded games, neck-snapping network speed and low latency are a must, especially for MOBA and FPS games that involve constant feedback. However, the current 5G services have not reached the [promised] speed yet. Currently, Cloud gaming platforms are still unable to replace the traditional way of playing games and the user base is quite limited.

Last notes

While the market is still attracted to the idea of the metaverse, the Cloud gaming space in China has seen many tangible projects in process. With the commercialization of 5G networks and emerging projects driving up the size of the supply chain, the market is generally optimistic: the high latency problem is likely to be solved, while the bandwidth costs are set to decrease in the near future.

[Click to view image.](#)

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i3303 : Networking | i7902202 : Mobile Telecommunications | i97912 : Gambling Industries | i3302 : Computers/Consumer Electronics | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | ilea : Leisure/Arts/Hospitality | itech : Technology

RE   china : China | easiaz : Eastern Asia | chinaz : Greater China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies

PUB   Beijing EO WangMeng Technology Co., Ltd.

AN   Document EQOCEN0020220119ei1j0002v

HD	**Chinese cities are piling into the <mark>metaverse</mark>**
BY	Jane Li
WC	558 words
PD	13 January 2022
SN	Quartz
SC	QUARTZ
LA	English
CY	Copyright 2022. Quartz Media, Inc. All Rights Reserved.

LP

No one knows what the <mark>metaverse</mark> is yet, but that hasn't stopped global tech giants such as Facebook, which rebranded as Meta, Google, and Tencent from being caught up in the <mark>metaverse</mark> craze. Not to be left out, several Chinese cities are peppering their official economic plans with mentions of the concept.

There is no clear definition of what the <mark>metaverse</mark> actually is, but generally the idea is that it involves a three-dimensional experience of the internet that combines the real and the virtual worlds.

TD

In December, Shanghai officials said at a key economic meeting that the city will guide corporations (link in Chinese) in studying the "important platform that contains the intersection between the virtual world and the real world," seen widely as a reference to the metaverse. Days later, Shanghai officially mentioned the metaverse in its five-year plan for the tech industry, saying the concept should be applied in areas including public services, entertainment, and manufacturing.

Following Shanghai's steps, the affluent Zhejiang province, home to e-commerce giant Alibaba, early this month said it will focus on (Chinese) future technologies ranging from the metaverse to advanced semiconductors.

Then this week, Chinese cities Anhui and Wuhan announced separately in their annual government work reports they too would work on developing the metaverse. The government of Hefei province, where Anhui is located, says it wants to cultivate a cluster of cutting-edge tech pioneers (Chinese) in areas such as the metaverse, according to Chinese publication 21 Caijing. Wuhan, meanwhile, says it will accelerate the integration of the online economy, including the metaverse, big data, cloud computing, and blockchain, with the real economy.

The cities' quick embrace of the metaverse illustrates local Chinese authorities' desire to signal to Beijing they're up to date with emerging technologies. Blockchain, the underlying tech for cryptocurrency, for example, was mentioned by around 20 Chinese provinces and cities (Chinese) in their work reviews last year.

China's rush to the metaverse

Although the local governments have yet to release timelines and specific plans for developing the metaverse, the growing mentions of it in official reports are a reflection of China's surging interest in the area, which Beijing sees as the next crucial frontier it needs to develop and dominate.

In November, China established its first industry metaverse association, which is under the state-supervised China Mobile Communications Association (CMCA). Chinese tech giants including Tencent and Baidu have either indicated their capacity to develop the metaverse, or rushed to register trademarks related to it. The term is also among China's top memes last year, according to a state-backed language research center.

Meanwhile China's retail investors are also trying to figure out how to trade or invest in the metaverse, with some buying virtual homes in the form of NFTs, or non-fungible tokens, at a time when China is trying to curb financial risk in the real-world real estate sector.

Amid the surging passion towards the metaverse, state publication the Economics Daily last week issued a warning about the hype surrounding it. In an article published on Jan. 4, the outlet said it is a long way off (Chinese) for the concept to be industrialized, and that hyping it excessively will be like "overdrafting" its future.

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   iblock : Blockchain Technology | itech : Technology | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications

NS   ccat : Corporate/Industrial News

RE   china : China | easiaz : Eastern Asia | chinaz : Greater China | wuhan : Wuhan | anhui : Anhui | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | hubei : Hubei

IPD   Quartz

PUB   Quartz Media Inc.

AN   Document QUARTZ0020220113ei1d00001

THE WALL STREET JOURNAL.

CLM	IPOs
SE	Markets
HD	**China Mobile Makes Debut in Shanghai After $9 Billion Stock Sale; Cellphone carrier was booted from the New York Stock Exchange after it was added to U.S. ==investment== blacklist**
BY	By Rebecca Feng
WC	694 words
PD	5 January 2022
ET	10:08
SN	The Wall Street Journal Online
SC	WSJO
LA	English
CY	Copyright 2022 Dow Jones & Company, Inc. All Rights Reserved.

LP

Eight months after China Mobile Ltd. was booted from the New York Stock Exchange, the giant cellphone carrier made its debut in Shanghai on Wednesday after raising close to $9 billion in a blockbuster homecoming listing.

Shares of the state-owned mobile operator closed slightly above their Shanghai stock-offering price of 57.58 yuan, the equivalent of $9.06, after climbing earlier in the day.

TD

While the first-day move wasn't large, China Mobile's newly listed shares traded at more than a 40% premium to the price of the company's existing Hong Kong-listed shares, which rose 3.3% on Wednesday.

That gap reflects how investors in mainland China's market, dominated by individual investors, have attached a much higher valuation to the 24-year-old company. As of Wednesday's market close, China Mobile's market capitalization was more than $130 billion, according to calculations by data provider Wind.

China Mobile is the country's largest wireless carrier by revenue and subscribers, with more than 950 million customers as of September. The Beijing-based company and two smaller rivals, China Telecom Corp. and China Unicom (Hong Kong) Ltd., had to give up their U.S. listings in May after they were added to an investment blacklist that bars Americans from investing in Chinese companies alleged to help China's military, and intelligence and security services.

Last month, China Mobile raised the equivalent of $8.8 billion from its domestic share offering, making it the biggest listing in the Chinese onshore market in the past decade and the fifth-largest ever, according to Wind data. The four larger domestic deals were from state-owned banks and state-owned energy companies in 2007 and 2010.

China Mobile's Shanghai listing was also the world's second largest in 2021, behind that of American electric-vehicle maker Rivian Automotive Inc., which raised $13.7 billion in a Nasdaq initial public offering in November, according to Dealogic.

The newly listed shares of other blacklisted Chinese companies such as SenseTime Group Inc. and China Telecom Corp. have also climbed following their debuts in Hong Kong and Shanghai, showing how the companies have been able to raise capital closer to home from investors who are more familiar with their businesses and growth prospects. SenseTime shares have surged since their Hong Kong listing last week and on Wednesday traded at more than 80% above their IPO price.

China Mobile said it would use the proceeds from its recent stock sale to expand its 5G network, cloud infrastructure and smart-home projects. In its blockbuster offering, the mobile operator earlier exercised a green-shoe option, a provision that allows underwriting banks to sell investors more shares than originally planned and provides additional price stability.

Individual investors in China had flocked to the deal, which ended up being vastly oversubscribed.

On Tuesday, a day before China Mobile's mainland market debut, the company said it would buy back no more than 10% of its Hong Kong-listed shares, using up to $12.6 billion of its own working capital.

China Mobile was founded in 1997 and is incorporated in Hong Kong, making it one of the few red-chip companies whose shares now trade on the mainland. Before last year, only red-chip companies in a selected few industries were allowed to list onshore.

"The A-share listing of this major offshore company suggests China's capital-market reform and opening are well under way, regardless of the China-U.S. relations," said Qi Wang, chief executive officer of MegaTrust Investment (HK), a boutique asset manager specializing in China A-shares.

China Mobile recorded the equivalent of $102 billion of revenue in the first nine months of last year, a 13% increase from the year-ago period. Its net profit rose around 7% to $13.7 billion.

Write to Rebecca Feng at rebecca.feng@wsj.com

China Mobile Makes Debut in Shanghai After $9 Billion Stock Sale

CO	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications	i3302 : Computers/Consumer Electronics	i3441 : Telecommunications Equipment	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	icellph : Cell/Mobile/Smart Phones	icph : Computer Hardware	iint : Online Service Providers	itech : Technology	i34411 : Mobile Communications Devices	i3454 : Personal Electronics	icomp : Computing	ielec : Consumer Electronics	ihandaps : Handheld Electronic Devices
NS	ccat : Corporate/Industrial News	c171 : Share Capital	c02 : Corporate Changes	c1711 : Initial Public Offerings	cactio : Corporate Actions	m16 : Fund Markets	ncolu : Columns	gcat : Political/General News	c14 : Stock Listings	c17 : Corporate Funding	mcat : Commodity/Financial Market News	ncat : Content Types	nfact : Factiva Filters	nfce : C&E Exclusion Filter	nfcpin : C&E Industry News Filter
RE	china : China	shahai : Shanghai	hkong : Hong Kong	asiaz : Asia	easiaz : Eastern Asia	namz : North America	usa : United States	use : Northeast U.S.	usny : New York State	apacz : Asia Pacific	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies
IPD	Wires
IPC	0728.HK
PUB	Dow Jones & Company, Inc.
AN	Document WSJO000020220105ei1500105

LP

Shanghai is building itself into a "globally influential digital hub" by 2035, with major information technology upgrades for a range of industries.Its more than just a red-tape slogan.The city has a blueprint with the 2035 plan and a near-term plan as the Shanghais five-year digitalization plan by 2025 was released last month. Shanghai has established an ==ecosystem== to boost innovation and digitalization, such as booming artificial intelligence and telecommunications network infrastructures, data usage and transaction policies, and a professional exchange and improved business environment and capital market for tech firms and talent."The digital city upgrade is a national strategy to strengthen Chinas abilities in manufacturing and broadband.

TD

It also offers tools for us to better serve people and their daily lives," said Wu Jincheng, director of the Shanghai Commission of Economy and Information, the citys top industry regulator.Local government officials, including Wu and higher-ranking officials, have drafted the digital infrastructure blueprints, covering the 14th Five Year Plan for 2025 and Shanghais longer-term plan for the citys economic development for 2035.The digital targets include building faster 5G and broadband networks, construction of intelligent factories and digitized hospitals, developing AI and data-driven services, and boosting applications for aged and disabled groups.It will make Shanghai a "globally-leading digital city," covering digital infrastructure, economic development, livelihood improvement and urban management.In detail, it includes digital transformation covering at least 80 percent of large local manufacturers; over 100 benchmark digital tools to improve peoples lives; over 80 percent e-governance applications available online, and construction of 100 million Internet of Things sensors and devices, according to the latest government blueprint.AI and 5G are two key digital infrastructure pieces and dual growth engines for Shanghais digital plan which help the city deal and transfer data in smart and efficient ways.By 2025, the scale of Shanghais artificial intelligence industry output will hit 400 billion yuan (US$62.5 billion), with 12 percent annual growth on average, more than double the citys GDP growth rate, according to Shanghais AI development blueprint for 2025 released recently.Shanghai will become a hotspot for AI innovation and development with international influence, covering original achievements and cutting-edge theories, a batch of national and municipal innovation platforms, and a localized regulation system known as "Shanghai Format."Shanghai has national artificial intelligence application innovation fields, such as intelligently-connected vehicles, medical imaging assisted diagnosis, visual image identification, and smart sensors. AI has been widely used in industrial manufacturing, medical and anti-pandemic measures, transportation, education, culture, finance and commerce, business services, and other fields.Broadly, the city will have 10 AI-powered sub-divided fields with an annual output of over 10 billion yuan each, 500 digitized firms with leading AI applications, over 1,000 new AI invention patents, and over 300,000 AI-specialized employees in Shanghai by 2025.For Xu Li, SenseTimes chief executive, Shanghai is a city "of the highest importance for growth and career development," said the graduate of Shanghais Jiao Tong University during the ringing ceremony of the companys Hong Kong listing.SenseTime, whose share price has almost doubled since its HK market debut last week, is one of the biggest listed AI firms in Asia. It has chosen Shanghai as the location of the headquarters of SenseTime China. In 2022, SenseTime will build a AI computing center in Shanghais Lingang Special Area, and it will be one of the few with the most powerful AI calculation capabilities in Asia.In Shanghai, there are more than 3,000 firms with "data" in their names; one-third of which have been founded since 2020. This indicates the great potential of the whole data-driven and AI ecosystem, said Fudan University, citing industry sources.Besides AI, Shanghai has leading positions on 5G and broadband networks nationwide and globally.The 5G network makes

resources and data flow better and more efficiently and boosts the digital economic development of the city.Shanghai has been recognized as one of Chinas One-Gbps cities, offering some of the fastest Internet in the country. The city is one of 29 cities in Chinas first batch of One-Gbps cities, meaning both 5G and broadband bandwidth surpass 1 gigabyte per second, according to the Ministry of Industry and Information Technology.By November, Shanghai had built 52,000 outdoor 5G base stations to cover the city. As of September, Shanghais latest 1 Gbps broadband network covered 9.6 million families, with download speeds ranking No. 1 nationwide, local officials said.China Mobile, China Telecom and China Unicom all chose Shanghai to debut their 5G products and services nationwide.The carriers, encouraged by government regulators, have upgraded networks to boost speed and ensure telecommunication service prices remain the same or decrease.Shanghai consumers will be able enjoy faster and more affordable 5G and family broadband services with a free upgrade to one Gbps bandwidth. China Mobile is offering free upgrades in broadband bandwidth in Shanghai of up to one gigabyte per second (Gbps), said the worlds biggest mobile carrier, with about 1 billion users.China Telecom also introduced an upgraded 2 Gbps family broadband service in Shanghai recently, giving the city the fastest broadband network in the nation.The city has developed 600 applications powered by 5G, including applications covering information consumption, vertical industries, citizens livelihood, digital governance, and other areas.China Mobile recently displayed its latest digital and 5G applications in Shanghai, covering eight areas, such as smart transportation, virtual reality, and intelligent agriculture.Mobile networks are a key part of information infrastructure to help Shanghai boost innovation, push economic transformation, and build the city into a global digital hub.Shanghai-based chip designer Unisoc started large-scale production of its latest mobile platform and chip with partners and clients including China Telecom, ZTE, Hisense, and TSMC. It offers strong functionality and more affordable pricing of 5G chips. Smartphones will be more affordable with the companys strategy of "Everyones 5G," said Chu Qing, Unisocs chief executive.Unisoc is applying to be listed in the Shanghai STAR Market while China Mobile is going to be listed on the Shanghai main board on Wednesday (January 5), the biggest IPO of the decade so far.China Mobile, which raised about 56 billion yuan in its Shanghai IPO, will use the proceeds on network construction, data centers, cloud networks, and Internet of Things technologies.Shanghais strong capital and finance market fuels innovation and digital development, helping the city to achieve the global digital hub goal.In 2021, Shanghai firms raised 150.7 billion yuan through IPOs via the STAR Market, 30 percent of the national level and ranking No. 1 in China. On the STAR Market, total market value of Shanghai firms reached 1.47 trillion yuan by years end, ranking No. 1 nationwide, according to government figures.

[*Click Here to View Image*](#)

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i3302022 : Artificial Intelligence Technologies | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | iint : Online Service Providers | i79022 : Wireless Telecommunications Services | itech : Technology

NS   gcsci : Computer Science | gegov : e-Government | ccat : Corporate/Industrial News | gcat : Political/General News | gpir : Politics/International Relations | gsci : Sciences/Humanities

RE   china : China | shahai : Shanghai | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

PUB   Shanghai Daily

AN   Document SHNDOL0020220105ei1400006

SE	Tech
HD	**Shanghai leads nation in 5G network and applications**
BY	Zhu Shenshen
WC	363 words
PD	27 December 2021
ET	13:06
SN	Shanghai Daily Online
SC	SHNDOL
LA	English
CY	Copyright Shanghai Daily

LP

Shanghai has been recognized as one of Chinas One-Gbps cities, offering some of the fastest Internet in the country thanks to the citys booming development of 5G and broadband.Shanghai is one of 29 cities in Chinas first batch of One-Gbps cities, meaning both 5G and broadband bandwidth surpass 1 gigabyte per second, according to the Ministry of Industry and Information Technology.By November, Shanghai had built 52,000 outdoor 5G base stations to cover the city. As of September, Shanghais latest 1 Gbps broadband network covered 9.6 million families, with download speeds ranking No. 1 nationwide, local officials said.China Mobile, China Telecom and China Unicom all chose Shanghai to debut their 5G products and services. Prices have remained the same or fallen.Mobile networks are a key information infrastructure to help Shanghai boost innovation, push economic transformation and build the city as a global digital hub.

TD

China Mobile recently displayed its latest digital and 5G applications in Shanghai, covering eight areas, such as smart transportations, virtual reality and intelligent agriculture.The 5G network makes resources and data flow better, is more efficient and boosts the digital economic development of the city, China Mobile said.Shanghai is developing over 600 5G applications and innovations, offering other cities a "Shanghai Format" on 5G, said the Shanghai Commission of Economy and Informatization, the citys top industry regulator.Unisoc, a chip designer based in Shanghai, announced large-scale production of its latest mobile platform and chip with partners and clients including China Telecom, ZTE, Hisense and TSMC.It offers strong functions and an affordable price, the company said.It aims to develop chips for "Everyones 5G," said Chu Qing, Unisocs chief executive.In the first half, Unisoc had an 8.4 percent market share in the global mobile chip sector, compared with 4.8 percent a year ago. It has become one of the top five vendors, along with Qualcomm, Huawei HiSilicon, MediaTek and Samsung, according to researcher Counterpoint.Besides Unisoc, tech giants like Huawei and ZTE have set up smartphone and device headquarters in Shanghai.

Click Here to View Image

CO	lianto : China Unicom (Hong Kong) Ltd	cthkng : China Mobile Limited	chunte : China United Network Communications Limited	cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications	idct : Digital Cellular Technology	i3302 : Computers/Consumer Electronics	i3303 : Networking	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	itech : Technology	iwrlssl : Wireless Area Network Technology
NS	ccat : Corporate/Industrial News	c23 : Research/Development
RE	china : China	shahai : Shanghai	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
PUB	Shanghai Daily
AN	Document SHNDOL0020211227ehcr0002w

HD **BRIEF-China Mobile Says China's Social Security Fund, JD.Com Among Strategic Investors For Its A-Share Offering**

WC 80 words

PD 23 December 2021

ET 11:30

SN Reuters News

SC LBA

LA English

CY Copyright 2021 Thomson Reuters. All Rights Reserved.

LP

Dec 23 (Reuters) - China Mobile Ltd:

* SAYS CHINA'S NATIONAL SOCIAL SECURITY FUND, JD.COM AND BRUNEI **INVESTMENT** AGENCY ARE AMONG STRATEGIC INVESTORS FOR ITS A-SHARE OFFERING Source text http://static.sse.com.cn/disclosure/listedinfo/announcement/c/new/2021-12-24/600941_20211224_1_QTBsxkrS.pdf Further company coverage: (Reporting by Hong Kong newsroom)

RF Released: 2021-12-23T12:30:00.000Z

CO cthkng : China Mobile Limited | tsixzb : JD.Com, Inc. | cmbile : China Mobile Communications Corp

IN i64 : Retail/Wholesale | i656000301 : Etailing | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | iecom : E-commerce | iint : Online Service Providers | iretail : Retail | itech : Technology

NS ccat : Corporate/Industrial News

RE china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

IPD Business

IPC SERVICE:Z

PUB Reuters News & Media Inc.

AN Document LBA0000020211223ehcn01blx

LP

5G ==ecosystem== continues to grow at a fast pace in all geographies. In this year alone, 5G networks grew by 22 times, 5G users increased by 500 times, and ==devices== recorded a growth of 32 times. The good news is that this growth will continue over the next few years.

TD

"The next ten years are the years of mobile data. New 5G-powered Fixed Wireless Access (FWA) users will be ten times more than wired broadband. By 2030, the cellular network will be transmitting more data than wired networks. More data means more revenue," says Qiu Zheng, Wireless Marketing Director, Huawei, during a recent webinar on 5Grows Together: Wireless Innovation for a 5Gigaverse Society.   However, more data comes with its own challenges for the service providers. The network architecture needs to change to be able to address this growing data consumption. It is crucial to maximize the value of macro sites to address the problem of the limited spectrum and limited power. This is also important to build a high bandwidth foundation for network coverage. Several new technology approaches are helping the telcos get the maximum mileage from deploying 5G: Meta AAU for improved network performance and lower energy consumption Typically, telcos follow the strategy of adding a new network layer for every new technology. This leads to network complexity. Further, this strategy is not possible with 5G since it uses spectrum from multiple frequency bands, and it is not possible to add several new boxes on the tower. A combination of ultrawideband and massive Multiple Input Multiple Output (MIMO) is the only way out. The next innovation direction of mMIMO is better performance and lower energy consumption. Huawei's Meta AAU marks a breakthrough in mMIMO coverage and energy efficiency by combining the concept of Extreme Large Antenna Array (ELAA) technology and the AHR Turbo solution. It is helping telcos reduce energy consumption by 30% and improve coverage radius by 30%. "Compared with traditional AAUs with 192 antenna array, ELAA uses 384 antenna array, leading to more coverage but with reduced energy consumption. It is much lighter and integrated with ultra-light integrated array and SDIF technologies to enhance both coverage and integration," explains Qiu. Since its launch earlier this year, it has already been deployed in 20 cities in China, covering 20 million people. It is helping telcos to increase coverage, bring down energy usage by 30% while enhancing the customer experience. Meta AAU also enables service providers to reduce costs by reducing the need to put up more towers. FDD gigaband module enables green & high-efficiency sub-3GHz sites towards 5Gigaverse For legacy sub-3GHz spectrum evolution to ultrawideband 4T/8T and Massive MIMO is the way to go."If we use ultrawideband technology, three boxes can become one box, thus saving space (rental), reducing power consumption and allowing the telcos to extend the channel from 4T to 8T in the FDD bands to increase capacity, coverage and performance," explains Qiu. Huawei's FDD Gigaband Module has a built-in wide-band Power Amplifier which leads to better power management between spectrum from different frequency bands, different users and different beams, resulting in 30% energy power reduction. In addition, the unique intelligent beam shaping and TM4, TM9 scheduling, as well as the coordination algorithm across different bands (SingleCell), increase the Sub-3GHz spectral efficiency by up to 10 times. The FDD Gigaband module has been commercialized in more than 100 countries with more than 100,000 shipments. Distributed massive MIMO to address Indoor coverage challenges Several new 5G use cases also demand ultra-high-speed, more bandwidth, and extremely low latency in the indoor environment. There are three main challenges in the 5G era in indoor coverage. First is the Quality of Service (QoS) in traditional public scenarios, like hospitals, where indoor 5G networks demand high capacity for both consumer and enterprise use cases. The second is the difficulty for telcos to proceed in-building implementation of capacity expansion when data consumption is booming fast, and the third challenge is the enterprise market, which is new for telcos and has critical demands. Distributed mMIMO coordinates indoor 4T4R small cells to perform joint beamforming and multi-user MIMO in the indoor environment. "It is helping telcos with elastic capacity in high-traffic venues and ubiquitous Giga

experience, as well as dynamic resource allocation for enterprise applications. This year we have deployed Distributed Massive MIMO on 5G lamp sites in five countries in seven scenarios and more than 1000 sites," says Qiu. Connecting the unconnected to achieve UN SDGs 5G is growing in popularity in most cities, but 450 million people are still not covered by the mobile network in rural areas. Since 2017, Huawei has connected more than 50 million people in more than 60 countries. In Ghana, the Government will deploy more than 2000 Huawei's RuralStar sites in the first phase, and the ROI is expected to be achieved in 3 years. Data from the 400 RuralStar sites shows that voice traffic grows 100%, while data traffic grows 400%. It has led to an increase in GDP, employment and mobile penetration. We helped Ghana in fulfilling SDG goals. 5G RAN intelligence to maximise spectrum efficiency and improve optimisation efficiency Rollouts of 5G networks across the world picked up pace throughout these years. As operators boost their CAPEX budgets to reap the potential benefits of 5G networks, they also face the blunt reality of rising network complexity. In addition to rising OPEX, maintenance efficiency drops while network complexity significantly increases. This further highlights the urgency of developing intelligent wireless networks. Huawei is the industry's 1st vendor to release the 5G RAN Intelligence during MBBF in Dubai in 2021. 5G RAN Intelligence covers SingleBAND and Capacity Turbo, to promote intelligent wireless networks. SingleBAND enables site-level multi-band convergence through intelligence in site. The solution helps operators converge multiple bands onto a single network in the 5G era. It allows flexible full-band decoupling, which through the FDD band enhances uplink, extends the TDD band coverage, and improves network capacity through full-band and multi-beam 3D coordination. Capacity Turbo is a network-level mechanism that takes the multi-band convergence concept beyond a single site. It uses intelligent algorithms to do coordinated optimization between multi-sites and multi-band to improve network performance, enhance user experience and minimize network routine optimization costs. Through iterative parameters optimization, together with expert experience, Capacity Turbo can enable close-loop, data-driven and on-line network optimization. Learning from green 5G projects Earlier this year, Huawei and China Mobile initiated the Green 5G project to reduce 40billion KWH of 5G energy savings. The project also entails increasing the green energy supply by 3200 million and reducing 1600 million tons of CO2 for society. The path-breaking initiative has helped in the overall energy reduction by 50%. "China Mobile launched `Harmony Education' to use 5G to provide education to 400 million students in remote areas. This has brought down carbon emissions by 23 million. As part of this initiative, China Mobile also launched the Cloud Life app that helped reduce travelling by 50%. In addition, our DICT (ICT + Database) solution launched 100 applications for 15 vertical industries. Together, these initiatives have helped China Mobile to reduce carbon emissions by 400 million," says Qiu. Deployment of 5G is also helping several business verticals to enhance production and efficiency while enabling them to adopt more sustainable practices. For instance, 5G enables the steelmaking company XISC (Hunan Valin Xiangtan Iron and Steel Co) to increase efficiency by 15%, leading to $15 million annual benefits. Further, China Mobile and Huawei helped Jinneng Holding Group pilot 5G mining helped bring down the failure rate by 20% and increase labour efficiency by 300%. These are just some examples of how enterprises from different business verticals are using 5G for enhanced operational efficiency. The coming few years will lead to a massive increase in data consumption, and 5G is going to enable this growth. If the right network strategies are used, 5G can help the telcos provide a high-quality digital experience to more and more people while empowering businesses and people to lead a more sustainable life. The onus is then on telcos to adopt these strategies for more optimal use of the 5G spectrum and more sustainable operations. Want to keep up to date with the latest developments in the world of telecoms? Subscriber to receive Total Telecom's daily newsletter here Also in the news: Three and EE first to sign up to London Underground 4G networkChina Mobile seeks $8.8bn as it migrates to Shanghai Stock ExchangeSingtel loses legal battle against Australian taxman

RF   512054

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902 : Telecommunication Services | i7902202 : Mobile Telecommunications | idct : Digital Cellular Technology | i3302 : Computers/Consumer Electronics | i3303 : Networking | i79022 : Wireless Telecommunications Services | itech : Technology | iwrlssl : Wireless Area Network Technology

IPD   Press

PUB   Terrapinn Limited

AN   Document TOTEL00020211222ehcm00002

EqualOcean

HD	**China Mobile Aims to Raise USD 7.6 Billion in Shanghai after US Delisting**
WC	220 words
PD	22 December 2021
SN	EqualOcean
SC	EQOCEN
LA	English
CY	Copyright 2021. Beijing EO WangMeng Technology Co., Ltd.

LP

In November 2020, the US government ordered Americans to be blacklisted for investing in Chinese companies deemed to have links to the Chinese military, including three of China's major mobile operators: China Mobile, China Unicom, and China Telecom. In the context of continuing tensions in Sino-US relations, a growing number of US-listed Chinese companies seek to list back to China or Hong Kong.

China Mobile said it expects to reach a net profit of CNY 114.3 million to CNY 116.46 million this year, with a growth rate of 6% to 8% year-over-year. According to its prospectus, the world's largest wireless carrier by subscriber figures will sell 845.7 million shares at the price of CNY 57.58 per share. CICC and Citic are the joint sponsors of this stock offering. The telecom giant said the fund raised would go toward **5G network** expansion, **cloud** infrastructure, smart living projects, and tech development.

TD

The listing price in Shanghai Stock Exchange will be sold with a 52% premium versus its Hong Kong-listed stock based on its closing price of HKD 46.45 last Friday. The company's stock will trade under the code 600941 in Shanghai.

Click to view image.

CO	lianto : China Unicom (Hong Kong) Ltd	cmbile : China Mobile Communications Corp	cthkng : China Mobile Limited	chunte : China United Network Communications Limited
IN	i7902202 : Mobile Telecommunications	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services
NS	cdelis : Stock Delistings	c02 : Corporate Changes	ccat : Corporate/Industrial News
RE	china : China	usa : United States	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia	namz : North America
PUB	Beijing EO WangMeng Technology Co., Ltd.
AN	Document EQOCEN0020211222ehcm00003

PR Newswire
a CISION company

HD	**READEN HOLDING CORPORATION (OTC PINK: RHCO) ANNOUNCES MAJOR SHARE TRANSACTION WITH COCOON HOLDINGS AFTER THE TRANSACTION WITH TIGER SUPER FUND**
WC	652 words
PD	22 December 2021
ET	13:30
SN	PR Newswire
SC	PRN
LA	English
CY	Copyright © 2021 PR Newswire Association LLC. All Rights Reserved.
LP	
	HONG KONG, Dec. 22, 2021 /PRNewswire/ -- READEN HOLDING CORPORATION (OTC PINK: RHCO), a Venture Capital Corporation which is active in the Fintech, Online Payment and E-commerce industries, today announced another major share transaction. Readen Investment Limited, a major shareholder of RHCO, has sold 28,600,000 shares of RHCO to IT Star Limited.
TD	
	IT Star Limited is fully owned by Cocoon Holdings Limited (0428.HK), a Venture Capital Company listed on the main board of HKEX. Cocoon Holdings held multiple equity investments in Hong Kong and US, including Tencent (0700.hk), Alibaba (9988.hk), China Mobile (0941.hk), SMIC (0981.hk) and AAC Tech (2018.hk), etc. The transaction is part of the synergy between RHCO and Cocoon Holdings, as both parties strongly believe in the unlimited growing capacity of RHCO's own OkeApp and OkePay. OkeApp is expected to sign up 8,000 and 10,000 new Merchants in 2022 as the continuously growing discount referral app launched earlier this year, and OkePay will be benefited from the 4 million monthly transactions brought by OkeApp. The two make a unique combo in Payment and Fintech sectors, and RHCO is expecting a major breakthrough in revenues. Due to their success, expansion plans are underway for other markets besides Hong Kong.
	After the transaction, IT Star Limited would hold 8.6% of total RHCO shares issued. In an earlier announcement, RHCO also announced that Tiger Super Fund SPC has bought 32,703,152 shares of RHCO, holding 9.9% of total RHCO shares issued and would follow up with a loan to RHCO. Both investments have further solidified the funding of OkeApp and OkePay's development and their expansion to other markets.
	Readen Holding Corp. (www.readenholdingcorp.com) is a publicly traded Venture Capital Corporation, with major holdings in the Fintech Industry and has been increasing its investment in E-commerce and E-payment sectors, such as;

www.okepay.biz

www.readies.biz

www.okepartners.com

www.neckermanndirect.eu

www.twopercent.hk

www.fligrofood.com

RHCO is a diversified holding company, with an operating history of over 30 years, which seeks opportunities to acquire and grow businesses that can generate long-term sustainable free cash flow and attractive returns, in order to maximize value for all shareholders. RHCO has subsidiaries and liaison offices in Europe and Asia.

For further information please contact RHCO at info@readenholdingcorp.com

or +852 3950 5911

The RHCO corporate email address is info@readenholdingcorp.com

The RHCO corporate website can be accessed at www.readenholdingcorp.com

The RHCO Twitter account can be accessed at https://twitter.com/readenrhco

This press release contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, which are intended to be covered by the safe harbors created thereby. Investors are cautioned that, all forward-looking statements involve risks and uncertainties, including without limitation, the ability of Readen Holding Corp. to accomplish its stated plan of business. Readen Holding Corp. believes that the assumptions underlying the forward-looking statements contained herein are reasonable, any of the assumptions could be inaccurate, and therefore, there can be no assurance that the forward-looking statements included in this press release will prove to be accurate. In light of the significant uncertainties inherent in the forward- looking statements included herein, the inclusion of such information should not be regarded as a representation by Readen Holding Corp. or any other person.

View original content: https://www.prnewswire.com/news-releases/readen-holding-corporation-otc-pink-rhco-announces-major-share-transaction-with-cocoon-holdings-after-the-transaction-with-tiger-super-fund-301449720.html

SOURCE Readen Holding Corporation

/CONTACT: Readen Holding Corp., info@readenholdingcorp.com, +852 3950 5911

(END)

CO	shkcnv : Cocoon Holdings Limited | cthkng : China Mobile Limited | aacath : AAC Technologies Holdings Incorporated | smicic : Semiconductor Manufacturing International Corp | tenchl : Tencent Holdings Ltd | bcnlgt : Readen Holding Corp. | cmbile : China Mobile Communications Corp
IN	i8150203 : Private Equity | ifmsoft : Financial Technology | i81502 : Trusts/Funds/Financial Vehicles | ialtinv : Alternative Investments | ifinal : Financial Services | iinv : Investing/Securities | itech : Technology | i342 : Electrical Components/Equipment | i34531 : Semiconductors | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i831 : Financial Investment Services | iindele : Industrial Electronics | iindstrls : Industrial Goods | iint : Online Service Providers | iventure : Venture Capital
NS	ccat : Corporate/Industrial News | npress : Press Releases | ncat : Content Types
RE	china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	PR Newswire Association, Inc.
AN	Document PRN0000020211222ehcm00083

SE	即市頭條- Latest News
HD	**CHINA MOBILE Unveils VR Scenario Interaction Patents**
WC	50 words
PD	15 December 2021
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2021. AAStocks.com Limited. All rights reserved.

LP

Companies like CHINA MOBILE (00941.HK) are filing for making public the patents for interaction technique, installation, computing equipment and storage medium of virtual reality (VR) scenarios, showed the Tianyancha app.

~

TD

AAStocks Financial News

Web Site: www.aastocks.com

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	ivrealt : Virtual Reality Technologies | itech : Technology | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020211215ehcf005mt

LP

It's the scrappy one-time Sydney stockbroker versus the funds management veteran. At stake is a $67m cashbox and a whole lot of pride.

The former stockbroker – Geoff Wilson – is used to getting his way, although in this case he is likely to fall short in Monday's shareholder vote to acquire the underperforming PM Capital Asian Opportunities Fund (PAF), which is backed and managed by former BT funds veteran Paul Moore, who runs **investment** manager PM Capital.

TD

Instead, an agreed merger between PAF with its bigger sister fund – the PM Capital Global Opportunities Fund – is set to secure the shareholder vote.

But victory for the $580m PM Capital Global will come at a cost and should send a message to all listed investment companies that Wilson is serious in his determination to start a fight when it comes to targeting underperformers.

Wilson, the one-time stockbroker with McIntosh and Potter Partners who has a personal fortune of $526m according to The Australian's The List, sits on top of the Wilson Asset Management family of funds. These have $5.5bn in assets under management and count more than 120,000 retail investors across eight listed vehicles.

Wilson propelled himself into the mainstream becoming the face of the potent campaign against Labor's now-defunct policy to scrap franking credits during the 2019 federal election. In the public's mind at least, that puts him squarely in the pro-investor corner.

At last count there were 97 listed investment companies on the ASX, the bull market means many have been trading at a discount to their net tangible backing all while collecting hefty management fees.

And it's the proliferation of funds, usually as a spin-off from a master manager is becoming an increasing blind spot. This is a worry because the investment dynamics of the funds means they are widely held by self-funded retirees for an income stream.

Friendly mergers between associated funds often leave a sour taste amid questions around in whose interest is the fund really working — for shareholders or the fund manager.

The fund in the middle of Wilson's latest battle, PAF, is a relative minnow. It is a $67m low-profile cashbox with a mandate to invest in Asian-based shares excluding Japan.

PAF, which listed in 2014, has exposure to up to 35 shares and is currently sitting on holdings in companies such as iCar Asia, MGM China, Freeport-McMoRan and China Mobile. Nearly half the shares are in Hong Kong-based companies.

Wilson is not holding back in arguing the proposed merger of the PM Capital-linked funds is riddled with conflicts and takes aim at the $500,000 break fee entered into by PAF and PM Capital Global.

Their merger, which has been agreed to by the way of a scheme of arrangement, will push PM Capital Global's assets above $640m.

The battle has already gone several rounds with the takeovers panel, but will push ahead on Monday.

Wilson labels the transaction as "robbing Peter to pay Paul" in reference to the PM Capital Global shareholders paying a relatively full price for the PAF assets.

"They are buying pre-tax assets for essentially the same value as after tax assets. PM Capital Global shareholders will be diluted by this deal. The only person it is a good deal for is the investment manager PM Capital," Wilson says.

But Moore, who points out he is not on the board of either PM Capital Global or the merger target PAF, says Wilson has a "big incentive" to win Monday's vote.

"If they were successful in their offer, the size of WAM Capital goes up which increases the management fees," Moore says in an interview on Sunday.

Moore, a former GWS Giants board member, argues he is just watching on the sidelines as a shareholder in both funds. He also notes an independent expert has taken into account all factors including the break fee and still back the PM Capital Global proposal.

For its part PM Global is urging investors to look through the share-based valuation on offer and focus on a measure of returns measured by pre-tax net tangible assets.

"I look at it as a shareholder it makes a huge difference," Moore says. "Stay away from all the noise … There is one clear issue that stands out. If you look at the alternative offers under one (PM Capital Global) you get accretion to your pre-tax capital of approximately $1.14 whereas the alternative [Wilson] offer you get around 95c.

"From a shareholder perspective the only thing that really matters is how much capital do you have at work as an investor and the returns you will get on that over time."

Wilson is going for a scrip takeover that offers 1 share in his flagship WAM Capital share for every 1.99 PM Capital Asian Opportunities fund, this represented a 10.6 per cent premium to the pre-bid closing share price for PAF.

In terms of valuation on Friday's close, Wilson's scrip offer represents $1.115 a share. PM Capital Global's offer is more complicated given it is based on a NTA measure. At current values PM Global values the target at $1.14 a share. PAF closed on Friday at $1.10 a share.

Listed investment funds with less than $200m in assets are general struggling in the current bull market and are trading at sharp discounts to their underlying assets.

This is the market's way of saying – that in any given moment of time it doesn't believe the manager is creating value from the assets sitting in the fund.

"We're proud that a number of our listed investment companies have been able to trade at a premium because it means over time we perform," Wilson says.

"It's understandable why PAF was looking to delist "given its poor performance," he adds.

Prior to the takeover PAF was trading as much as at a 17 per cent discount to its net tangible assets. PAF last year delivered a 12.2 per cent outperformance of the MSCI AC Asia ex-Japan index but has fallen short of the index for each of the three, five and seven years. Indeed, over seven years PAF's has underperformed the index by 3 per cent over this period.

Wilson's flagship fund, with more than $2bn in assets is trading at a hefty 18 per cent premium. That's why its using the power of its share price to buy cheaper assets. PM Capital Global shares are trading on par with their pre-tax NTA of $1.62.

PM Capital Global has just under a 20 per cent stake in PAF, but it can't vote in Monday's meeting. Paul Moore can vote his own stake of just under 10 per cent which he intends to vote in favour of PM Global offer on Monday.

At last count Wilson had 13.8 per cent of PAF. Not enough to defeat the vote on its own, but if a number of PAF shareholders sit out of Monday's meeting, it could go down to the wire.

CO	pmcaof : PM Capital Asian Opportunities Fund Ltd. | pmgfcc : PM Capital Global Opportunities Fund Ltd | ubs : UBS Group AG | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i831 : Financial Investment Services | i81502 : Trusts/Funds/Financial Vehicles | ifinal : Financial Services | iinv : Investing/Securities | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i814 : Banking | i81402 : Commercial Banking | i8150211 : Mutual Funds | ibnk : Banking/Credit | iibnk : Integrated Banks
NS	c181 : Acquisitions/Mergers/Shareholdings | cacqu : Acquisitions/Mergers | gcat : Political/General News | gpol : Domestic Politics | c18 : Ownership Changes | cactio : Corporate Actions | ccat : Corporate/Industrial News | gpir : Politics/International Relations | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	austr : Australia | jap : Japan | apacz : Asia Pacific | asiaz : Asia | ausnz : Australia/Oceania | easiaz : Eastern Asia
IPD	self-funded retirees
PUB	Nationwide News Pty Ltd.
AN	Document AUSTOL0020211212ehcc0015q

SE	Tech
HD	**Free 5G network upgrades available to Shanghai consumers**
BY	Zhu Shenshen
WC	299 words
PD	9 December 2021
ET	10:56
SN	Shanghai Daily Online
SC	SHNDOL
LA	English
CY	Copyright Shanghai Daily

LP

Shanghai consumers will be able enjoy faster and more affordable 5G and family broadband services, thanks to the "smart city" strategy, with a free upgrade of one Gbps bandwidth, China Mobile said on Thursday.The carrier is offering free upgrades in broadband bandwidth in Shanghai of up to one gigabyte per second (Gbps). A sole family broadband service now costs about 100 yuan (US$16) a month in Shanghai, with normal bandwidth between 100 to 300 megabyte per second or Mbps. One Gbps equals to about 1,000 Mbps.Soon, a family package of mobile data and voice calls, together with broadband, cloud storage, up to six numbers and various digital services, will cost from 109 yuan a month in all, more cost effective for users, the carrier said.Qualified family users will receive calls or messages for the upgrade. By 2023, at least half of China Mobiles users in Shanghai will enjoy 500 Mbps or faster broadband service, Shanghai Mobile said.

TD

Its the latest update to advance digital infrastructure in Shanghai which aims to build a "global digital hub" by 2025 as part of an official digital blueprint.China Mobile has 12 million 5G users in Shanghai, with 20,000 5G base stations offering 5G signal coverage citywide. The carrier has 3.5 million family broadband users in the city, with a network coverage of 8.5 million users in 13,000 communities.Also on Thursday, China Mobile signed a digital education partnership with Shanghai Education Commission, to make Shanghai lead the nation in innovation and information infrastructure. China Telecom also introduced an upgraded 2 Gbps family broadband service in Shanghai recently, giving the city the fastest broadband network in the nation.

[*Click Here to View Image*](#)

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | idct : Digital Cellular Technology | i7902 : Telecommunication Services | iint : Online Service Providers | i3302 : Computers/Consumer Electronics | i3303 : Networking | i79022 : Wireless Telecommunications Services | itech : Technology | iwrlssl : Wireless Area Network Technology
RE	china : China | shahai : Shanghai | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Shanghai Daily
AN	Document SHNDOL0020211210ehc900008

LP

Good morning. Intel plans to expand a warehouse and lab it set up to run cybersecurity tests on its products, including old and discontinued hardware and software, WSJ Pro's James Rundle reports.

Legacy technology is a big concern for companies: old software and products can introduce cybersecurity problems. Intel's lab in Costa Rica stores around 3,000 pieces of the company's hardware and software for remote security research. The lab, which runs 24 hours a day, 7 days a week, has been open since 2019 and is set to expand next year. Getting old tech into the lab was challenging. Engineers who had moved onto other projects or even left the company contributed their know-how about products from years ago. Intel's security researchers even looked for discontinued platforms on eBay because they were so hard to find.

TD

Anders Fogh, a Germany-based Intel engineer, said the lab is crucial for his work, especially when he tries to replicate security flaws that external researchers report through Intel's bug-bounty program.

Intel employees around the world can ask for a specific machine in the configuration of their choice. Technicians make it available through cloud services. The lab gets around 1,000 requests a month to build equipment for remote tests.

More below.

5 Steps for Improving Collaboration Between IT and Security

The need to defend and protect vital assets and network systems grows more urgent each day. Learning these tried-and-true techniques will ensure better communication, cooperation and security results.

Get Started

Top News

A few years ago, executives at Intel Corp. began to realize they had a problem. The company was making dozens of new products each year, from chips to software platforms, but it didn't have a formal method for cataloging and storing older technology so engineers could test it for security flaws.

Some devices, such as Sandy Bridge microprocessors—launched in 2011 and discontinued in 2013—were so scarce that Intel's security researchers resorted to combing the internet for them.

"We had to actually go on eBay and start looking for these platforms," said Mohsen Fazlian, general manager of Intel's product assurance and security unit.

Intel's issue reflects a wider concern: Legacy technology can introduce cybersecurity weaknesses. Tech makers constantly improve their products to take advantage of speed and power increases, but customers don't always upgrade at the same pace. This creates a long tail of old products that remain in widespread use, vulnerable to attacks.

Intel's answer to this conundrum was to create a warehouse and laboratory in Costa Rica, where the company already had a research-and-development lab, to store the breadth of its technology and make the devices available for remote testing. After planning began in mid-2018, the Long-Term Retention Lab was up and running in the second half of 2019.

Read the full story.

Cybersecurity

Chinese state-run companies limit use of Tencent. Managers at at least nine state-run Chinese companies, including China Mobile Ltd., China Construction Bank Corp. and China National Petroleum Corp., told employees that any chat groups set up for work purposes on Weixin could contain sensitive information and should be shut down and deleted. Weixin is Tencent's dominant messaging app in China and the domestic sister app of WeChat. The companies also warned employees to be cautious about using Weixin for work-related communications. The companies haven't publicly disclosed security concerns over the app.

Beijing has recently stepped up scrutiny of internet giants including Tencent. On Wednesday, the Chinese Ministry of Industry and Information and Technology told app stores that Tencent needs government approval before it updates existing apps or launches new ones. (WSJ)

New tech poses challenges for U.S. spies. Omnipresent surveillance cameras, biometric border controls and location trackers on smartphones and other devices are obstacles for the Central Intelligence Agency and other intelligence officers. Artificial intelligence is making it easier and faster for foreign adversaries to sort through data and identify spies. While advanced technologies will also help U.S. authorities gather intelligence, the same technologies will likely give authoritarian societies such as China and Russia an advantage because they can exert greater control over them, a January report by the Center for Strategic and International Studies think tank said.

Recent examples show how technology can expose spies. A suspected U.S. intelligence officer held a supposedly clandestine meeting with Kim Jong Nam, the half brother of North Korean leader Kim Jong Un in 2017, days before Kim Jong Nam was assassinated. That meeting was captured by a hotel's security camera and became public knowledge. In December, investigative website Bellingcat named and published photographs of three Russian intelligence officers who it said shadowed and attempted to kill Russian opposition politician Alexei Navalny. Bellingcat used phone and travel data to track the intelligence operatives. (WSJ)

Israel restricts spyware exports. Israel reduced the number of countries where its companies can export hacking tools and cyberweapons to exclude countries that aren't democracies. Companies can continue to export to countries in Europe and members of the Five Eyes alliance. The U.S., U.K., New Zealand, Australia and Canada are members of the Five Eyes alliance. The U.S. Department of Commerce also recently added two Israeli companies, NSO Group and Candiru, to its entity list, making it more difficult for them to access technology and products made by American companies. NSO Group has faced increased criticism since reports about its Pegasus software came out in July. (PC Mag)

Civilians in Iran and Israel get caught up in cyberwar. Israel and Iran have engaged in a covert cyberwar that has widened to include civilian targets on a large scale. Two U.S. defense officials, speaking on the condition of anonymity, attributed a recent cyberattack on Iran's nationwide fuel distribution system to Israel. That attack paralyzed 4,300 gas stations, and it took 12 days to have service fully restored. Days later, there were cyberattacks against a major medical facility and a popular LGBTQ dating site in Israel, which officials there attributed to Iran. The latest attacks are thought to be the first to do widespread harm to many civilians.

U.S. authorities have warned of Iranian attempts to hack into computer networks of American critical infrastructure including hospitals. (New York Times)

Privacy News

Bipartisan momentum grows in the Senate for antitrust tech bills. Lawmakers in both parties are endorsing bills that would introduce legal constraints on search engines, e-marketplaces, app stores and other online platforms. There was an earlier push in the House for antitrust legislation, and the House Judiciary Committee passed far-reaching bills in June. Now, twelve Senators are backing the proposed American Innovation and Choice Online Act, which would treat large marketplaces such as Amazon's or Google's search engine like a dominant railroad operator that is central to commerce.

The growing momentum for antitrust legislation targeting tech giants comes as lawmakers push for greater privacy protections for children and others. (WSJ)

Big Number

$17 Million

Amount that the Australian Federal Police recently prevented cybercriminals from stealing from Australians' retirement savings accounts. The amount is equivalent to $24 million Australian dollars.

CO	tenchl : Tencent Holdings Ltd | cthkng : China Mobile Limited | pcbk : China Construction Bank Corp | intl : Intel Corporation | cmbile : China Mobile Communications Corp
IN	i34531 : Semiconductors | i3302 : Computers/Consumer Electronics | i330202 : Software | icph : Computer Hardware | iindele : Industrial Electronics | iindstrls : Industrial Goods | iint : Online Service Providers | isecpri : Security/Privacy Software | itech : Technology | i3302021 : Applications Software | icomp : Computing | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i814 : Banking | i81402 : Commercial Banking | ibnk : Banking/Credit | ifinal : Financial Services
NS	ccat : Corporate/Industrial News | cprdop : Facility Openings | gcat : Political/General News | c24 : Capacity/Facilities
RE	cosr : Costa Rica | china : China | asiaz : Asia | camz : Central America | easiaz : Eastern Asia | israel : Israel | lamz : Latin America | meastz : Middle East | namz : North America | usa : United States | apacz : Asia Pacific | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | medz : Mediterranean | wasiaz : Western Asia
IPD	Jong, Kim
IPC	0700.HK
PUB	Dow Jones & Company, Inc.
AN	Document RSTPROCY20211129ehbt0002t

HD **BRIEF-Mango Excellent Media's Unit Signs Strategic Cooperation Agreement With Digital Content Provider Migu**

WC 83 words

PD 28 November 2021

ET 09:19

SN Reuters News

SC LBA

LA English

LP

Nov 28 (Reuters) - Mango Excellent Media Co Ltd:

* SAYS UNIT SIGNS STRATEGIC COOPERATION AGREEMENT WITH CHINA MOBILE'S UNIT MIGU CULTURE TECHNOLOGY, COOPERATION AMOUNT OF AT LEAST 3.5 BILLION YUAN ($547.53 million) Source text
http://www.szse.cn/disclosure/listed/bulletinDetail/index.html?7341d491-8544-4842-8c1c-c21de4fc6ce5
Further company coverage: ($1 = 6.3924 Chinese yuan renminbi) (Reporting by Hong Kong newsroom)

RF Released: 2021-11-28T10:19:44.000Z

CO haphsc : Mango Excellent Media Co., Ltd.. | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i971 : Audiovisual Production | imed : Media/Entertainment

NS cpartn : Partnerships/Collaborations | ccat : Corporate/Industrial News

RE china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

IPD Business

IPC SERVICE:Z

PUB Reuters News & Media Inc.

AN Document LBA0000020211128ehbs00dcl

HD	**BRIEF-Tongding Interconnection Information Expects To Win China Mobile's Bids**
WC	74 words
PD	23 November 2021
ET	12:58
SN	Reuters News
SC	LBA
LA	English
CY	Copyright 2021 Thomson Reuters. All Rights Reserved.
LP	

Nov 23 (Reuters) - Tongding Interconnection Information Co Ltd:

* SAYS IT EXPECTS TO WIN CHINA MOBILE'S BIDS WORTH A COMBINED 983.7 MILLION YUAN ($154.03 million) Source text https://statics.teams.cdn.office.net/evergreen-assets/safelinks/1/atp-safelinks.html Further company coverage: ($1 = 6.3865 Chinese yuan renminbi) (Reporting by Hong Kong newsroom)

RF	Released: 2021-11-23T13:58:26.000Z
CO	wjsccl : Tongding Interconnection Information Co Ltd	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i341 : Wires/Cables	i3411 : Fiber Optic Cable	i34531 : Semiconductors	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications	iindele : Industrial Electronics	iindstrls : Industrial Goods	ioptoel : Optoelectronic Devices	itech : Technology
NS	ccat : Corporate/Industrial News
RE	china : China	hkong : Hong Kong	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
IPD	Business
IPC	SERVICE:Z
PUB	Reuters News & Media Inc.
AN	Document LBA0000020211123ehbn0265z

FitchSolutions

SE	Asia Pacific Telecommunications Insight
HD	**Industry Trend Analysis - Quick View: Use Of Smart Manufacturing To Rise, China Mobile Shows How**
WC	566 words
PD	17 November 2021
SN	Fitch Solutions Industry Research Reports
SC	BMIAA
LA	English
CY	© 2021 Fitch Solutions, Inc

LP

The Latest: China Mobile, Huawei and consumer electronics producer Haier have announced the successful application of 5G and mobile edge computing (MEC) to Haier's manufacturing process. So far, 5G has been used to integrate artificial intelligence (AI) and machine vision at seven of Haier's factories and there are plans to expand this to 20 by the end of 2022 and to 100 within five years.

Implications: The successful utilisation of 5G within some manufacturing processes demonstrates early evidence of our view that 5G's greatest impact will be in the enterprise segment and that the Internet of Things (IoT) will be the primary use case over the long term. 5G's key characteristics - it is wireless and offers higher speeds, bandwidth and lower latency (among others) - means that it is key to creating smart factories and with it accelerating the journey to Industry 4.0.

TD

China Mobile and Huawei have implemented 5G on Haier's production line to rapidly perform quality checks on manufactured consumer electronics goods. One of Haier's main products is stainless steel fridges, which often suffer damage on the factory floor and, prior to implementing 5G-based assessment solutions, were manually checked over by human eyes at the end of the production line, a time-consuming task. Using an industrial camera mounted onto a robotic arm, 5G MEC and machine vision are used to analyse the fridges in near-real time to ensure quality, minimal delays and greater accuracy.

```
Impact Of Smart Manufacturing With 5G
 Characteristics    Impact
 Source: Fitch Solutions
 Wireless           High
 Licenced           High
 Density            Medium
 Speed              Medium
 Latency            Medium
 Slicing            High
 Private            High
```

The partners are also testing an AI-integrated security system that enhances the power of CCTV by detecting anomalies and automatically triggering an alarm. The large amount of data collected in both these cases are transferred with low latency using Huawei and China Mobile's 5G network.

For China Mobile, proving it can successfully leverage its 5G network for use cases outside the traditional telecoms space is vital. As key enablers of disruptive technologies, offering services like this to enterprises presents a highly profitable Industry 4.0 vertical for telcos to explore.

Moreover, supply chain disruptions in the wake of the Covid-19 pandemic have added impetus to accelerating manufacturing, as well as to creating highly automated production lines to alleviate the human risk factor and ensure business continuity.

What's Next: Going forward, the trio intend to create 'digital twin' visualisations of the factory floor in the metaverse to experiment with changes to the production line before they are actually implemented, though we believe this will be a long-term development. We note that even the technology that has been implemented so far at Haier is nascent and is only recently moved out of the proof-of-concept stage.

However, the successful application described above is promising for the wider adoption of 5G in manufacturing globally.

Over the medium term, we are likely to see an increased number of collaborations between manufacturers and telecoms operators, with 5G applications moving out of proof-of-concept stages and becoming widely adopted. We continue to hold the view that the true value of 5G will be in the enterprise segment, though this will play out over the longer term.

CO   huawt : Huawei Technologies Co Ltd | wyltek : Haier Electronics Group Co., Ltd. | cthkng : China Mobile Limited | ghtaac : Dinglong Culture Co., Ltd. | cmbile : China Mobile Communications Corp | qngrf : Haier Smart Home Co Ltd | shhiah : Huawei Investment Holding Co. Ltd.

IN   i7902202 : Mobile Telecommunications | i3302 : Computers/Consumer Electronics | iioft : Internet-of-Things Technologies | i3303 : Networking | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | itech : Technology | i346 : Household Appliances | i4941 : Dolls/Toys/Games | icnp : Consumer Goods | idurhg : Durable Household Products | ielec : Consumer Electronics | ihome : Home Electronics/Appliances | ilgood : Leisure/Travel Goods | iwrlssl : Wireless Area Network Technology

NS   cautm : Automation | c22 : New Products/Services | ciprof : Industry Profile | nanl : Analyses | c24 : Capacity/Facilities | ccat : Corporate/Industrial News | cexpro : Products/Services | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter

RE   china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

PUB   Fitch Solutions Inc.

AN   Document BMIAA00020220105ehbh0005y

PR Newswire
a CISION company

HD	**OpenInfra Software Adoption Surges, Spurred by Growth in OpenStack Deployments, Which Now Exceed 25 Million Cores**
WC	1,118 words
PD	17 November 2021
ET	19:00
SN	PR Newswire
SC	PRN
LA	English
CY	Copyright © 2021 PR Newswire Association LLC. All Rights Reserved.
LP	

```
Seven Companies Join Ranks of '1 Million Core Club' as Largest OpenStack
Deployments Grow by Order of Magnitude Over Last Year
```

AUSTIN, Texas, Nov. 17, 2021 /PRNewswire-PRWeb/ -- The Open Infrastructure Foundation's annual survey of users, released today, confirms significant OpenStack growth and overall adoption momentum among OpenInfra projects. There are now more than 25 million cores of OpenStack compute in production, marking a 66% increase in total cores year on year. Seven companies have joined the ranks of the "1 Million Core Club," including China Mobile, Line, Walmart Labs, Workday and Yahoo. OpenStack's momentum also extends to the growing public **cloud** footprint, which now includes more than 180 OpenStack-powered public **cloud** data centers spanning the globe.

TD

In the opening of the OpenInfra Live: Keynotes today, Jonathan Bryce, executive director of the OpenInfra Foundation, talked about LOKI: Linux OpenStack Kubernetes Infrastructure. This is the *OpenInfra Standard* which is based on the momentum of not only OpenStack, but also Linux and Kubernetes, three of the most active open source projects in existence. Combined, contributors to these three projects merge over 150,000 changes per year. Organizations like AT&T, CERN, China Mobile, China Telecom, Verizon, Vodafone, and Yahoo have adopted the OpenInfra Standard and run it in production today.

The 2021 OpenInfra User Survey report summarizes the responses of hundreds of organizations and highlights the growth in OpenInfra use cases, ranging from organizations evaluating the software to those who are running in production, and from micro to hyperscale deployments. It covers five OpenInfra projects: OpenStack, Airship, Kata Containers, StarlingX and Zuul.

OpenInfra--i.e., open source software projects that contribute to the advancement of today's digital infrastructure--continues to gain traction among organizations wanting to operate faster, more efficiently and at a fraction of the cost.

Check out a full copy of the 2021 OpenInfra User Survey Report.

Additional Highlights

OpenStack - Cloud infrastructure for virtual machines, bare metal, and containers:

```
    -- OpenStack is the most widely deployed open source cloud software in the

       world.

    -- Almost 80% of OpenStack clouds are in production, 13% are under
       development and 8% are in the proof of concept stage.

    -- Over 70% of OpenStack users have indicated they are running Kubernetes
       for container orchestration. Combined with Linux, the open source
```

operating system standard, the combination of these technologies create

LOKI--Linux OpenStack Kubernetes Infrastructure--the OpenInfra standard.
Organizations around the world including
AT&T, LINE, Workday, Verizon,
and Yahoo are running LOKI in production.

-- OpenStack users documented explosive growth among clouds of all sizes.
For example, Australia's ARDC Nectar Research Cloud, with 33,000 physical
cores and approximately 160,000 vCPUs, reported over 140% growth in
OpenStack production deployments since 2020. T Systems reported growth of
their Open Telekom Cloud to 6,000 servers across 3 availability zones in
Europe. Schwarz, Europe's largest retailer, began the year with 180
compute nodes and 5,000 VMs and has already grown its footprint to 300
compute nodes and increased VMs by 20%.

-- OpenStack users also reported the establishment of more than 100 new
OpenStack clouds in the past 18 months. For example, Exaion, which
specializes in blockchain technologies, uses OpenStack to power its green
data center solution, providing customers with information on CO_2 impact
for each service they deliver. Infomaniak in Switzerland uses OpenStack

to deliver high-performance web hosting services boosted by AMD 32-core

EPIC processors, 6th generation NVME storage and NVidia T4 GPUs. OneQode
launched an OpenStack public cloud for more than 1.5 billion games in the
Asia Pacific region. OneQode chose OpenStack to integrate with all major
tech stacks, including support for Kubernetes, Terraform and Ansible.

Airship - a collection of loosely coupled but interoperable open source tools that declaratively automate cloud provisioning:

-- Airship adoption continues to increase, particularly within the
telecommunications industry. Users include Ant Group,
AT&T, Halvelsan and
SK Telecom.

-- Of the User Survey respondents, 70% indicated they are running both VM
workloads on OpenStack-helm and Kubernetes workloads, a common benefit
respondents shared as to why they adopted the software.

Kata Containers - an open source container runtime, building lightweight virtual machines that seamlessly plug into the containers ecosystem:

-- Respondents to the Kata Containers User Survey span numerous industries

including academic/research, telecommunications, consumer goods and
manufacturing/industrial. Users include Adobe Advertising Cloud, Ant
Group, AstroKube, Baidu,
Huawei, IBM Research and Qualogy.

-- The majority of respondents indicated that they are integrating Kata
Containers with Kubernetes.

-- While 57% of organizations said their workloads are a mixture of both
short and long-running workloads, 24% said theirs are long-running

```
        (greater than one minute) and 10% indicated theirs were short-lived
(less
        than one minute).
```
StarlingX - a complete cloud infrastructure software stack for the edge:

```
   -- Proof of concept environments for StarlingX are on the rise, with
almost
        half of respondents indicating this stage.

   -- The top three use cases for StarlingX, accounting for over 75% of
        responses, are Multi-Access Edge Computing (MEC) 32%; Industrial
        Automation 26%; and Universal Customer Premise Equipment (CPE) 20%.

   -- Other use cases cited by StarlingX users include Virtual Radio Access
        Network (RAN) 3% and Factory Automation/Industrial IoT 3%.

   -- Users of StarlingX include T Systems,
Verizon and Vodafone.
```
Zuul - a project gating system that drives continuous integration, delivery, and deployment systems:

```
   -- Zuul has 69% of User Survey environments running in production,
spanning
        industries including automotive, retail and public cloud providers.
        Another 17% of respondents are evaluating Zuul and 14% are considering
        using Zuul.

   -- Gating, speculative merge and cross-project dependencies continue to be

        features praised by users, which include
BMW, Cesnet, Just Eat, Leboncoin,
        T Systems, Volvo and Wazo Platform.
```
Airship, Kata Containers, OpenStack, StarlingX and Zuul are supported by the OpenInfra Foundation, whose mission is to build open source communities who write software that runs in production.

The Return of the In-Person OpenInfra Summit

The OpenInfra Foundation's flagship, in-person event, the OpenInfra Summit, returns to Berlin June 7-9, 2022, at the Berlin Congress Center. Information on registration and sponsorship opportunities will be available in November 2021, and activities for media and analysts will be shared shortly thereafter.

About the Open Infrastructure (OpenInfra) Foundation

The OpenInfra Foundation supports the development and adoption of open infrastructure globally, across a community of 100,000 individuals in 187 countries, by hosting open source projects and communities of practice, including datacenter cloud, edge computing, NFV, CI/CD and container infrastructure.

###

Media Contact

Robert Cathey, Cathey.co, 865-386-6118, robert@cathey.co

Allison Price, Open Infrastructure Foundation, 512-827-8633, allison@openinfra.dev

SOURCE Open Infrastructure Foundation

/Web site: http://www.openinfra.dev

(END)

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902 : Telecommunication Services | iappsp : Cloud Computing | i8394 : Computer Services | ibcs : Business/Consumer Services | idserv : Data Services | iint : Online Service Providers | itech : Technology | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications

NS   c33 : Contracts/Orders | npress : Press Releases | nsur : Surveys/Polls | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter

RE   usa : United States | namz : North America

PUB   PR Newswire Association, Inc.

AN   Document PRN0000020211117ehbh000x5

SE	China, Pacific
HD	**China's first ==metaverse== industry group inaugurated**
WC	392 words
PD	16 November 2021
SN	Silkroute News
SC	SILREN
VOL	Issue 229
LA	English
CY	© 2021. Kazakhstan Newsline. All Rights Reserved.

LP

China's first ==metaverse== industry group held its unveiling ceremony on Thursday, marking an important first step for the country's pursue of healthy and sustainable development of the ==metaverse== industry.

The ==Metaverse== Industry Committee under the China Mobile and Communications Association (CMCA) officially announced its establishment on Thursday, after receiving approval on October 15. During the announcement it released a new book called ==Metaverse==, expressing the new logic for the development of the next generation internet and the future digital economy in which ==metaverse== is deeply involved.

TD

As the only national social organization in the field of Chinese mobile communications industry, CMCA's members include state-owned industry conglomerates such as China Mobile and China Unicom.

The so-called metaverse is widely understood as an alternate digital reality where people work, play and socialize. The metaverse is a collective virtual shared space, created by the convergence of virtually enhanced physical reality and physically persistent virtual space, including the sum of all virtual worlds, augmented reality, and the internet.

While this fancy concept may still be a new thing for many people, it has already been on the radar of domestic and overseas technology companies, including Facebook, Microsoft and ByteDance.

Yu Jianing, executive director of the committee, said that their major tasks ahead will include strengthening technological innovation and application integration for the industry, organizing the training of professionals, and promoting new thinking related to metaverse. Talking on the sideline of the opening of the committee, an industry insider surnamed Zheng told the Global Times that the Metaverse is now on the high speed lane in China and will primarily focus on the development of corresponding infrastructure.

The CMCA also proposed on Thursday that the metaverse, as the third generation of the internet, will be a new milestone for global innovation and competition.

The infrastructure of the metaverse includes a large variety of 5G communication networks, VR, AR, WIFI6, wearable devices, blockchain, cloud computing, edge computing and AI+GPU, analysts said.

As an integrated body of cutting-edge digital technology, the metaverse is to be applied to various operating scenarios of the whole society as part of the efforts to achieve high-quality development of the digital economy, according to the CMCA.

Reported on November 12 2021 by the Global Times (China).

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i98205 : Professional Bodies | ibcs : Business/Consumer Services | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	gsust : Sustainable Development/Sustainability | c23 : Research/Development | ccat : Corporate/Industrial News | gcat : Political/General News | genv : Natural Environment
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
IPD	China, Pacific
PUB	Kazakhstan Newsline LLP

SE	即市頭條- Latest News
HD	**C Suisse Keeps Top 3 CN Telcos at Outperform, Top-pick CHINA TELECOM (00728.HK)**
WC	220 words
PD	5 November 2021
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2021. AAStocks.com Limited. All rights reserved.
LP	

All three major Chinese telecommunication companies predicted that the strong 1H momentum will extend into 2H, with the competition remaining stable, reported Credit Suisse, after meeting with the three companies. Also, the three telcos mentioned that the average revenue per user (ARPU) has been showing signs of recovery and that immense growth potential could be seen in the cloud business.

TD

Credit Suisse remarked that this year's earnings forecasts of CHINA MOBILE (00941.HK), CHINA TELECOM (00728.HK) and CHINA UNICOM (00762.HK) were lowered by 1% each, while the 2022 forecasts were cut by 2%, 3% and 5%. The downward revision was made to reflect the potential power tariff hike, the broker added. Given that the financial impact from the possible tariff hike is projected to be minimal, the target prices of CHINA TELECOM and CHINA UNICOM's H-shares were kept at $6.1 and $6.5, while that of CHINA MOBILE was slightly reduced from $85 to $84.9.

Also, Credit Suisse maintained the Outperform rating for the three major Chinese telecommunication players, stating CHINA TELECOM as its top pick, followed by CHINA MOBILE and then CHINA UNICOM.

~

AAStocks Financial News

Web Site: www.aastocks.com

CO	lianto : China Unicom (Hong Kong) Ltd	sk : Credit Suisse Group AG	cthkng : China Mobile Limited	chunte : China United Network Communications Limited	cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services	i7902202 : Mobile Telecommunications	i79022 : Wireless Telecommunications Services	i814 : Banking	i81402 : Commercial Banking	ibnk : Banking/Credit	ifinal : Financial Services	iibnk : Integrated Banks
NS	c173 : Financing Agreements	nran : Rankings	c17 : Corporate Funding	ccat : Corporate/Industrial News	ncat : Content Types	nfact : Factiva Filters	nfcpin : C&E Industry News Filter
RE	china : China	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020211105ehb5003ux

SE	Tech
HD	**China Mobile approved to list on Shanghai Exchange**
BY	Zhu Shenshen
WC	198 words
PD	4 November 2021
ET	13:04
SN	Shanghai Daily Online
SC	SHNDOL
LA	English
CY	Copyright Shanghai Daily

LP

China Mobile has been approved to list on the Shanghai bourse – the largest domestic IPO in a decade – after being forced to delist in the United States.The delistings in the US in May stem from ==investment== restrictions put in place by former President Donald Trump targeting Chinese technology firms. President Joe Biden has left the rules in place amid continuing tensions between the worlds two largest economies, despite objections from businesses.China Mobile received approval to list on Shanghais main board on Thursday night, the China Securities Regulatory Commission said on its website .China Mobile will issue a maximum 965 million shares, to raise 56 billion yuan (US$8.75 billion) – eclipsing recent major IPOs such as SMIC and China Telecom.

TD

Many of Chinas biggest tech and telecom firms listed their shares on US stock markets in the early 2000s as they sought access to more funding, but since then the political tide has turned.China Mobile will use the proceeds on network construction, especially 5G. By 2022, China Mobiles 5G networks will cover the nation China Mobile chairman Yang Jie said recently.

[*Click Here to View Image*](#)

CO	csrcch : China Securities Regulatory Commission | cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services
NS	c14 : Stock Listings | cdelis : Stock Delistings | c1711 : Initial Public Offerings | c02 : Corporate Changes | c17 : Corporate Funding | c171 : Share Capital | cactio : Corporate Actions | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	china : China | usa : United States | shahai : Shanghai | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | namz : North America
PUB	Shanghai Daily
AN	Document SHNDOL0020211105ehb40000f

HD China securities regulator approves China Mobile's application to list in Shanghai

WC 79 words

PD 4 November 2021

ET 10:43

SN Reuters News

SC LBA

LA English

CY Copyright 2021 Thomson Reuters. All Rights Reserved.

LP

SHANGHAI, Nov 4 (Reuters) - China's securities regulator on Thursday approved China Mobile's application to list in Shanghai, clearing the last hurdle for a potential $6 billion share sale.

China Mobile, which was delisted by the New York Stock Exchange due to U.S. **investment** restrictions, approved its Shanghai listing plan in May.

TD

(Reporting by SHANGHAI NEWSROOM; Editing by Toby Chopra)

RF Released: 2021-11-4T11:43:46.000Z

CO cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited

IN i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications

NS cdelis : Stock Delistings | c14 : Stock Listings | c02 : Corporate Changes | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter

RE china : China | shahai : Shanghai | usal : Alabama | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | namz : North America | usa : United States | uss : Southern U.S.

IPD Business

IPC SERVICE:ABX

PUB Reuters News & Media Inc.

AN Document LBA0000020211104ehb401yg5

HD   **China Mobile HK Invests HK$649M to Acquire 700 MHz, 2.5/2.6 GHz and 4.9 GHz Bands**

WC   205 words

PD   1 November 2021

SN   Ma'an News Agency

SC   MANEWS

LA   English

CY   © 2021, Ma'an News Agency, All rights Reserved - Provided by SyndiGate Media Inc.

LP

China Mobile Hong Kong (CMHK) recently announced that it has successfully acquired for a total of 90 MHz of radio spectrum in the 700 MHz, 2.5/2.6 GHz and 4.9 GHz frequency bands, representing an ==investment== of HK$649 million.

Together with the 26/28 GHz frequency bands previously assigned by the Office of the Communications Authority (OFCA), and 120 MHz of radio spectrum in the 3.3, 3.5 and 4.9 GHz frequency bands acquired in 2019, CMHK will lead the market as the mobile network operator with the most radio spectrum resources in Hong Kong.

TD

The 700 MHz frequency band of radio spectrum acquired is a low-frequency band, which will help strengthen the overall coverage of the CMHK network. Meanwhile, a new bid for an additional 40 MHz of radio spectrum in the 4.9 GHz frequency band will greatly enhance CMHK's 5G network speed. CMHK is dedicated to providing customers with a better quality, faster and more stable 5G mobile network, as it continues to take a leading role in the development of Hong Kong's smart city framework.

CO   cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services

RE   china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia

IPD   Telecommunication

PUB   Ma'an Network

AN   Document MANEWS0020211101ehb100002

China Mobile Gansu adopts no-compressor integrated energy-saving cabinet

China Mobile Group Gansu Co., Ltd. (China Mobile Gansu) became the pilot unit to adopt China's first no-compressor integrated energy-saving cabinet to respond the state's call for carbon peaking and carbon neutrality. Base station network ...

LP

By underwriting Telstra's purchase of Digicel Pacific, the region's largest telco, the Australian government is making the largest single foreign policy investment in decades, perhaps ever. The $US1.33bn deal eclipses Australia's annual aid program to the Pacific and rivals Defence's flagship 30-year Pacific Maritime Security Program – all in one transaction.

The deal is an extraordinary departure from the way Australia "does business" in the Pacific.

TD

Digicel's arrival from the Caribbean into the Pacific between 2006 and 2008 revolutionised telecommunication services, cementing the telco as the dominant player in six of the largest economies of the Pacific. Digicel retains a 92 per cent share of the mobile phone market in regional giant Papua New Guinea alone.

Taking advantage of this near monopoly, the business has been wildly successful. Earnings before interest, tax, depreciation and amortisation last year came in at $US223m, equalling 54 per cent of revenue before costs.

Digicel's Pacific success has been overshadowed by debt, with Digicel founder Denis O'Brien forced to hive off its Pacific business while restructuring to protect the rest of the company's interests in the Caribbean and Central America. It didn't take long before rumours – never publicly substantiated – began circulating that China Mobile might be buying those Pacific assets.

Digicel's near-monopoly on telecoms is of clear strategic importance. Controlling the telco would enable the owner to spy on and directly shape the information ecosystem to suit their needs. As we move into an interconnected 5G world, telecoms networks will become the backbone for public utilities and financial services. Controlling telecoms gives any actor tremendous power as a spoiler in these interconnected systems. It is clearly not in Australia's interests for Digicel to fall into China's hands.

The government is also eager to reverse a worrying trend of Australian corporate retreat in the Pacific. Businesses and state-owned enterprises are at the forefront of China's growing presence in the Pacific, while risk-averse Australian businesses see the region's markets as too small and too complicated in the face of comfortable profits at home.

It's a bold play, and one we should all hope succeeds. But it does come with considerable risk, to say nothing of the impact it will have on the state of the broader bilateral relationship between Australia and China. A lot of sweeteners were needed to get a blue-chipper like Telstra involved. By funding cheap debt and equity, and guaranteeing any regulatory, foreign exchange and sovereign risk – all while giving Telstra full ownership – the government presented the company with an offer too good to refuse.

The government is quick to emphasise its confidence in making money from this deal, and the Digicel numbers back that up. Still, it all depends on Telstra maintaining Digicel's financial performance in a market well outside its comfort zone.

There are broader reputational risks for Australia. Digicel is routinely accused of engaging in predatory and monopolistic practices. Of course, Digicel should remain profitable, but Telstra must guard against perceptions of unfair pricing and use its market power judiciously.

As Australia already spends $1.4bn in aid a year to improve the welfare and wellbeing of Pacific peoples, it is essential the government secures guarantees from Telstra in this deal that costs and services will improve.

The company's operations in the region are also far from perfect, and its infrastructure is in need of upgrading. If choosing between China Mobile, private equity investors or Telstra, we should hope that Digicel being owned by an ASX-listed company will make it easier for Digicel's business practices to come under scrutiny and result in improved service delivery and a better deal for Pacific consumers.

Buying Digicel doesn't buy Australia an indefinite strategic monopoly over Pacific telecommunications. China Mobile – if it ever was really interested in the first place – could still decide to enter the market, but the cost of doing so would be much higher. PNG's state-owned provider is already heavily indebted to China, and is one to keep an eye on. Finally, Australia has now set a precedent with Australian business. Companies that are still hanging on in the Pacific, or those looking to re-engage, might now look to the government for measures like the remarkable support Telstra has received, although it is unlikely the government has many more multi-billion-dollar wildcards up its sleeve.

Was Digicel angling for a deal and did Australia get duped into bankrolling the purchase? Perhaps the "threat" of a Chinese purchase was exaggerated. Unfortunately, we can't call up Beijing to ask directly – and the CCP wouldn't take our call if we tried. But if Telstra runs the business well and improves connectivity in the Pacific, the pay-offs for Australia and Pacific islanders could be real and long-lasting.

Jonathan Pryke is director and Mihai Sora a Research Fellow of the Pacific Islands Program at the Lowy Institute.

CO	dgclgl : Digicel Group Limited	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services	i7902202 : Mobile Telecommunications	i79022 : Wireless Telecommunications Services
NS	c34 : Anti-Competition Issues	nedc : Commentaries/Opinions	ccat : Corporate/Industrial News	ncat : Content Types	nfact : Factiva Filters	nfcpex : C&E Executive News Filter	nfcpin : C&E Industry News Filter
RE	austr : Australia	ausnz : Australia/Oceania	china : China	fiji : Fiji	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia	pacisz : Pacific Islands
IPD	state-owned provider
PUB	Nationwide News Pty Ltd.
AN	Document AUSTOL0020211026ehaq0033d

HD	**Huawei Smart IDC Energy Saving Catalyst Project wins the 2021 TM Forum <mark>Sustainability</mark> Impact Award**
WC	894 words
PD	25 October 2021
SN	ENP Newswire
SC	ENPNEW
LA	English
CY	© 2021, Electronic News Publishing. All Rights Reserved.
LP	

Release date - 22102021

Recently, the project 'Smart IDC-Intelligent Energy Saving for Data Centers' co-incubated by Huawei, China Telecom, China Unicom, and China Mobile won TM Forum's Catalyst Team Award for <mark>Sustainability</mark> Impact.

TD

TM Forum's Catalyst Awards celebrate the most revolutionary successes in advancing the telecoms industry, proof-of-concepts for industry standards, impact on global sustainability goals and noteworthy contributions to the acceleration of digital transformation throughout the industry.

the 2021 TM Forum Sustainability Impact Award

Smart IDC Energy Saving Catalyst Project Wins the 2021 TM Forum Sustainability Impact Award

'Congratulations on the achievements of the Smart IDC project.' Adriano Poloni, the managing director of the TM Forum Review Team commented, 'The Smart IDC project effectively uses technologies such as AI, big data, and digital twin. The project proposes an impactful yet feasible solution for energy saving, carbon emission reduction, and efficient utilization of water resources. This solution has been piloted in multiple carriers and data provided has verified the strong results. A comparison of effects from different stakeholders shows that the project meets expectations.'

Huawei BestDC@NAIE

Huawei BestDC@NAIE as the Digital Service Platform of Smart IDC Energy Saving Catalyst Project

The impact of global carbon neutrality is driving the development of new 'green' considerations in the data center construction process. In this project, Huawei's Global Technical Service Dept and General Development Dept, together with the AI R&D Center of China Telecom Research Institute and the Network AI Expert Team of China Unicom Intelligent Network Innovation Center, completed the cloud-edge-end Smart IDC energy-saving solution by combining simulation, AI, big data, and the experience of many experts in the data center integration service field of Huawei. The AI energy-saving solution is applicable to mainstream large-scale data centers, such as IDCs of different cooling systems (air-cooled system, water-cooled system, and indirect evaporative cooling system). The BestDC@NAIE Digital Service Platform of Smart IDC project has been deployed and verified in data center energy-saving projects in China Telecom Guangxi and China Unicom Shanghai.

'I am pleased that we won the 2021 Sustainability Impact Award with Huawei, an important partner of China Telecom. ' said Dr. Zeng Yu, head of the Smart IDC Energy Saving Team at the AI R&D Center of China Telecom Research Institute. 'With the rapid development of the digital economy, China Telecom is constantly improving energy efficiency. It is of great significance to actively utilize AI, big data, and simulation capabilities to improve the operating efficiency of traditional equipment rooms and achieve green and sustainable development of data centers. We are grateful to TM Forum for choosing us as the recipient of this important award.'

Gao Jingting, senior product manager of the Network AI Center of China Unicom Intelligent Network Innovation Center, stressed, ' It is very meaningful to work with Huawei to explore the energy saving solutions of data centers in the context of achieving carbon neutrality. The Network AI Center has been dedicated to building a one-stop AI platform to enable our market department and network department to

improve operational efficiency and reduce operation costs. Energy saving in data centers is the successful application of AI in specific scenarios. We are very grateful to TM Forum for its recognition of us. It also strengthens our determination to increase investment in AI and energy saving.'

'China Mobile has deployed energy saving and emission reduction as a strategic task. ' said Guo Zhibin, the project manager of the Information Technology Center of China Mobile. 'As the construction and maintenance department of IT infrastructure, the Information Technology Center is dedicated to promoting research on infrastructure energy saving. The Smart IDC Catalyst project has shown us the research achievements of the industry in this regard. The experience of working with the project team is very helpful to us in further research on energy saving in data centers.'

The results of the energy saving pilot programs show that the energy saving solutions based on simulation, AI, and expert experience can help medium and large IDCs save power by 10 to 15%. The development and economic benefits of this solution are impactful, especially when implemented at scale. Take a data center with 1000 cabinets of 5 kW/rack as an example. Assume that the actual operating load rate is 40%, the operating PUE is 1.57, and the electricity price is $0.093/kWh. If the load rate remains unchanged, the Smart IDC energy saving solution is expected to save 2.8 million kWh of electricity each year and the electricity cost is about $270,000, reducing 2,600 tons of carbon emission, which is equivalent to planting 110,000 trees.

Over the years, the Catalyst Team Award has been revolutionary in advancing the telecommunication industry, proof of concept for industry standards, impacting global sustainability goals, and accelerating digital transformation across the industry. Based on the concept of improving the digitalization of global data centers, Huawei provides practical technical paths based on carrier grade services, integration, and operation capabilities. Huawei is devoted to accelerating the green & energy-saving transformation of data centers, promoting sustainable development of society, and benefitting the public.

[Editorial queries for this story should be sent to newswire@enpublishing.co.uk]

CO	lianto : China Unicom (Hong Kong) Ltd | huawt : Huawei Technologies Co Ltd | cthkng : China Mobile Limited | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp | shhiah : Huawei Investment Holding Co. Ltd.
IN	idcent : Data Centers/Colocation Services | i3302022 : Artificial Intelligence Technologies | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i8394 : Computer Services | ibcs : Business/Consumer Services | idserv : Data Services | itech : Technology | i3302 : Computers/Consumer Electronics | i3303 : Networking | iwrlssl : Wireless Area Network Technology
NS	genee : Energy Efficiency | gnatcn : Environmental Protection | gaiml : Artificial Intelligence/Machine Learning | ccawrd : Corporate Awards | ccsr : Corporate Social Responsibility | gsust : Sustainable Development/Sustainability | npress : Press Releases | ccat : Corporate/Industrial News | cesg : Environmental/Social/Governance | gcat : Political/General News | gcsci : Computer Science | genv : Natural Environment | gsci : Sciences/Humanities | ncat : Content Types | nfact : Factiva Filters | nfcpex : C&E Executive News Filter
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Electronic News Publishing Ltd.
AN	Document ENPNEW0020211025ehap000a4

SE	即市頭條- Latest News
HD	**CHINA MOBILE, Nokia Extend Strategic Alliance to Explore New Opportunities Incl. 6G**
WC	85 words
PD	25 October 2021
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2021. AAStocks.com Limited. All rights reserved.
LP	

CHINA MOBILE (00941.HK) and Nokia extended the strategic alliance agreement through video signing. The two parties will, based on the satisfactory cooperative relationship, jointly explore the development opportunities in emerging segments and implement in-depth cooperation on aspects such as fundamental business, 6G, cloud network integration implementation and international operation, etc., with the aim to propel sustainable development for the sector.

~

TD

AAStocks Financial News

Web Site: www.aastocks.com

CO	nokia : Nokia Oyj	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i3441 : Telecommunications Equipment	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications	itech : Technology
NS	gsust : Sustainable Development/Sustainability	cpartn : Partnerships/Collaborations	ccat : Corporate/Industrial News	gcat : Political/General News	genv : Natural Environment
RE	china : China	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020211025ehap007k9

HD   **Huawei Technologies Co. Ltd. - Huawei Smart IDC Energy Saving Catalyst Project wins the 2021 TM Forum <mark>Sustainability</mark> Impact Award**

CR   Huawei Technologies Co. Ltd. published this content on 22 Oct 2021 and is solely responsible for the information contained herein. Distributed by PUBT, unedited and unaltered, on 22 Oct 2021 13:34:18 UTC.

WC   965 words

PD   22 October 2021

SN   Private Companies News via PUBT

SC   PCNVB

LA   English

CY   Copyright 2021. As included in the Information

LP

* Click here to view this document in its original format

Huawei Smart IDC Energy Saving Catalyst Project wins the 2021 TM Forum <mark>Sustainability</mark> Impact Award

TD

[London, England, October 22, 2021] Recently, the project "Smart IDC-Intelligent Energy Saving for Data Centers" co-incubated by Huawei, China Telecom, China Unicom, and China Mobile won TM Forum's Catalyst Team Award for Sustainability Impact. TM Forum's Catalyst Awards celebrate the most revolutionary successes in advancing the telecoms industry, proof-of-concepts for industry standards, impact on global sustainability goals and noteworthy contributions to the acceleration of digital transformation throughout the industry.

Smart IDC Energy Saving Catalyst Project Wins the 2021 TM Forum Sustainability Impact Award

"Congratulations on the achievements of the Smart IDC project." Adriano Poloni, the managing director of the TM Forum Review Team commented, "The Smart IDC project effectively uses technologies such as AI, big data, and digital twin. The project proposes an impactful yet feasible solution for energy saving, carbon emission reduction, and efficient utilization of water resources. This solution has been piloted in multiple carriers and data provided has verified the strong results. A comparison of effects from different stakeholders shows that the project meets expectations."

Huawei BestDC@NAIE as the Digital Service Platform of Smart IDC Energy Saving Catalyst Project

The impact of global carbon neutrality is driving the development of new 'green' considerations in the data center construction process. In this project, Huawei's Global Technical Service Dept and General Development Dept, together with the AI R&D Center of China Telecom Research Institute and the Network AI Expert Team of China Unicom Intelligent Network Innovation Center, completed the cloud-edge-end Smart IDC energy-saving solution by combining simulation, AI, big data, and the experience of many experts in the data center integration service field of Huawei. The AI energy-saving solution is applicable to mainstream large-scale data centers, such as IDCs of different cooling systems (air-cooled system, water-cooled system, and indirect evaporative cooling system). The BestDC@NAIE Digital Service Platform of Smart IDC project has been deployed and verified in data center energy-saving projects in China Telecom Guangxi and China Unicom Shanghai.

"I am pleased that we won the 2021 Sustainability Impact Award with Huawei, an important partner of China Telecom. " said Dr. Zeng Yu, head of the Smart IDC Energy Saving Team at the AI R&D Center of China Telecom Research Institute. "With the rapid development of the digital economy, China Telecom is constantly improving energy efficiency. It is of great significance to actively utilize AI, big data, and simulation capabilities to improve the operating efficiency of traditional equipment rooms and achieve green and sustainable development of data centers. We are grateful to TM Forum for choosing us as the recipient of this important award."

Gao Jingting, senior product manager of the Network AI Center of China Unicom Intelligent Network Innovation Center, stressed, " It is very meaningful to work with Huawei to explore the energy saving solutions of data centers in the context of achieving carbon neutrality. The Network AI Center has been

dedicated to building a one-stop AI platform to enable our market department and network department to improve operational efficiency and reduce operation costs. Energy saving in data centers is the successful application of AI in specific scenarios. We are very grateful to TM Forum for its recognition of us. It also strengthens our determination to increase investment in AI and energy saving."

"China Mobile has deployed energy saving and emission reduction as a strategic task. " said Guo Zhibin, the project manager of the Information Technology Center of China Mobile. "As the construction and maintenance department of IT infrastructure, the Information Technology Center is dedicated to promoting research on infrastructure energy saving. The Smart IDC Catalyst project has shown us the research achievements of the industry in this regard. The experience of working with the project team is very helpful to us in further research on energy saving in data centers."

The results of the energy saving pilot programs show that the energy saving solutions based on simulation, AI, and expert experience can help medium and large IDCs save power by 10 to 15%. The development and economic benefits of this solution are impactful, especially when implemented at scale. Take a data center with 1000 cabinets of 5 kW/rack as an example. Assume that the actual operating load rate is 40%, the operating PUE is 1.57, and the electricity price is $0.093/kWh. If the load rate remains unchanged, the Smart IDC energy saving solution is expected to save 2.8 million kWh of electricity each year and the electricity cost is about $270,000, reducing 2,600 tons of carbon emission, which is equivalent to planting 110,000 trees.

Over the years, the Catalyst Team Award has been revolutionary in advancing the telecommunication industry, proof of concept for industry standards, impacting global sustainability goals, and accelerating digital transformation across the industry. Based on the concept of improving the digitalization of global data centers, Huawei provides practical technical paths based on carrier grade services, integration, and operation capabilities. Huawei is devoted to accelerating the green & energy-saving transformation of data centers, promoting sustainable development of society, and benefitting the public.

Disclaimer

CO	huawt : Huawei Technologies Co Ltd | lianto : China Unicom (Hong Kong) Ltd | cthkng : China Mobile Limited | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp | shhiah : Huawei Investment Holding Co. Ltd.
IN	idcent : Data Centers/Colocation Services | i3302022 : Artificial Intelligence Technologies | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i8394 : Computer Services | ibcs : Business/Consumer Services | idserv : Data Services | itech : Technology | i3302 : Computers/Consumer Electronics | i3303 : Networking | iwrlssl : Wireless Area Network Technology
NS	genee : Energy Efficiency | gnatcn : Environmental Protection | gaiml : Artificial Intelligence/Machine Learning | ccawrd : Corporate Awards | c24 : Capacity/Facilities | ccat : Corporate/Industrial News | ccsr : Corporate Social Responsibility | gsust : Sustainable Development/Sustainability | npress : Press Releases | cesg : Environmental/Social/Governance | gcat : Political/General News | gcsci : Computer Science | genv : Natural Environment | gsci : Sciences/Humanities | ncat : Content Types | nfact : Factiva Filters | nfcpex : C&E Executive News Filter
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	PUBT Inc
AN	Document PCNVB00020211022eham005v6

Sterlite Technologies Limited Q2 FY22 Earnings Conference Call Transcript October
21, 2021 MANAGEMENT: DR. ANAND AGARWAL - CEO, STL MR. ANKIT AGARWAL – MD, STL MR.
MIHIR MODI – CFO, STL MR. PANKAJ DHAWAN – HEAD IR, STL Transcript of ...

China Mobile Group Gansu Co., Ltd. adopts no-compressor integrated energy-saving cabinet

China Mobile Group Gansu Co., Ltd. (China Mobile Gansu) became the pilot unit to adopt China's first no-compressor integrated energy-saving cabinet to respond the state's call for carbon peaking and carbon neutrality. Base station network ...

SE	Tech
HD	**Network upgrade supports smart city applications**
BY	Zhu Shenshen
WC	280 words
PD	15 October 2021
ET	13:56
SN	Shanghai Daily Online
SC	SHNDOL
LA	English
CY	Copyright Shanghai Daily

LP

Shanghai will push smart city applications, like autonomous driving, 4K broadcasting and intelligent logistics and warehousing, with infrastructure construction of a citywide fiber network, industry officials said on Friday.Compared with traditional mobile networks, the fifth-generation fixed network (F5G) delivers fiber technology and upgraded bandwidth of 1 to 5 gigabytes per second and much lower latency.It supports fast access, cloud and smart operations for digital transformation and smart city construction, officials from the State Information Center (SIC), China Mobile and Huawei told the Smart City Expo 2021 forum.A full-coverage, fiber network-powered city is a key piece of infrastructure for computing capacity and operation efficiency for digital economies, Shan Zhiguang, SICs Informatization and Industry Development department director, told the forum in Shanghai on Friday.Several cities are leading F5G network construction nationwide, including Shanghai, Tianjin, Beijing

TD

and Qingdao. With huge broadband width and low latency up to 0.2 mini-second, the cities are becoming Chinas digital hubs, according to SIC and China Mobile.Shanghai is testing F5G applications on autonomous driving, smart logistics and financial innovation, as the city has unique advantages in the related industries, said China Mobiles Shanghai branch.Shanghai is integrating the new services and applications with other cities in the Yangtze Delta to boost the entire regions digital economy.The F5G network supports sectors like 4K broadcasting, wildlife protection and energy-efficiency improvement, industry officials told the forum.F5G is also essential infrastructure for a smart city, covering e-government, online medical systems, fintech, enterprise cloud, online education, livestreaming, city security and smart manufacture, industry experts said.

[*Click Here to View Image*](#)

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	ifbropt : Fiber Optic Equipment | icargo : Freight Transport/Logistics | i3302 : Computers/Consumer Electronics | i3303 : Networking | i3441 : Telecommunications Equipment | i34531 : Semiconductors | ibrdbi : Broadband Equipment | iindele : Industrial Electronics | iindstrls : Industrial Goods | ioptoel : Optoelectronic Devices | itech : Technology | itsp : Transportation/Logistics | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	gplan : Urban/Rural Planning | gsmart : Smart City Development | gcat : Political/General News | gpir : Politics/International Relations | gpol : Domestic Politics | greg : Regional Politics
RE	china : China | shahai : Shanghai | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Shanghai Daily
AN	Document SHNDOL0020211016ehaf00008

HD **2Africa Extended to the Arabian Gulf, India, and Pakistan**

WC 1,403 words

PD 14 October 2021

SN iCrowdNewswire

SC ICROWDN

LA English

CY © Copyright iCrowdNewswire LLC 2021. All rights reserved

LP

The 2Africa consortium, comprised of China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the addition of a new segment – the 2Africa PEARLS branch – extending to the Arabian Gulf, India, and Pakistan. This extension will bring the total length of the 2Africa <mark>cable</mark> system to over 45,000 kilometers, making it the longest subsea <mark>cable</mark> system ever deployed.

2Africa Pearls – Map

TD

Now connecting three continents, Africa, Europe and Asia terrestrially through Egypt, 2Africa creates unique connectivity by adding vital landing locations in Oman (Barka), UAE (Abu Dhabi and Kalba), Qatar (Doha), Bahrain (Manama), Kuwait (Kuwait), Iraq (Al-Faw), Pakistan (Karachi), India (Mumbai), and a fourth landing in Saudi Arabia (Al Khobar). The new 2Africa branch joins recently announced extensions to the Canary Islands, the Seychelles, Comoros Islands, Angola, and a new landing to south-east Nigeria.

As with other 2Africa cable landings, capacity will be available in PEARLS landings at carrier-neutral facilities or open-access cable landing stations on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

To further support a burgeoning global digital economy, the expanded system will serve an even wider range of communities that rely on the internet for services from education to healthcare, and businesses, providing economic and social benefits that come from increased connectivity. As announced in May 2020, 2Africa was planned to directly bring seamless international connectivity to 1.2 billion people. Today, with 2Africa PEARLS, 2Africa will be providing international connectivity to an additional 1.8 billion people–that's 3 billion people, representing 36% of the global population.

Alcatel Submarine Networks (ASN) will deploy the new system utilizing new technologies such as SDM that allow the deployment of up to 16 fiber pairs, double that of older technologies and bringing greater and more cost-effective capacity.

About China Mobile International Limited

China Mobile International Limited (CMI) is a wholly-ownedsubsidiary of China Mobile, mainly responsible for the operation of China Mobile's international business. In order to provide better services to meet the growing demand in the international telecommunications market, China Mobile established a subsidiary, CMI, in December 2010. CMI currently has over 70 terrestrial and submarine cable resources worldwide, with a total international transmission bandwidth of 98T, and more than 180 PoPs. With Hong Kong, China as its launchpad, CMI has significantly accelerated global IDC development, creating a strong network for data centre cloudification.

Leveraging the strong support by China Mobile, CMI is a trusted partner that provides comprehensive international information services and solutions to international enterprises, carriers and mobile users. Headquartered in Hong Kong, China, CMI has expanded its footprint in 37 countries and regions. For more information, please visit www.cmi.chinamobile.com .

About Facebook

Founded in 2004, Facebook's mission is to give people the power to build community and bring the world closer together. Over 2 billion people use Facebook, Instagram, WhatsApp, or Messenger every month to stay connected with friends and family, to discover what is going on in the world, and to share and express what matters to them. Facebook is defined by its unique culture – one that rewards impact. The company encourages people to be bold and solve the problems they care most about. The phrase "this journey is

1% finished" reminds the company's teams that they have only begun to fulfill Facebook's mission. As the company evolves its journey to bring the world closer together, it stays true to the same core values to guide the way it works and the decisions it makes every step of the way: be open, be bold, move fast, focus on impact, and build social value. For more information, please visit https://www.linkedin.com/company/facebook/about/.

About MTN GlobalConnect

GlobalConnect is a Pan-African digital wholesale and infrastructure services company, and an operating company in the MTN Group. GlobalConnect manages MTN's international and national major wholesale activities, in addition to offering reliable wholesale and infrastructure solutions for fixed connectivity and wholesale mobility solutions that include international mobile services, Voice, SMS, signalling, roaming and interconnect. The MTN Group launched in 1994 is a leading emerging market operator with a clear vision to lead the delivery of a bold new digital world and is inspired by the belief that everyone deserves the benefits of a modern connected life. Embracing the Ambition 2025 strategy, MTN is anchored on building the largest and most valuable platform business, with a clear focus on Africa. The MTN Group is listed on the JSE Securities Exchange in South Africa under the share code "MTN".

For more information, please visit www.globalconnect.solutions – https://www.mtn.com

About Orange

Orange is one of the world's leading telecommunications operators with sales of 42.3 billion euros in 2020 and 139,000 employees worldwide at 30 June 2021, including 80,000 employees in France. The Group has a total customer base of 263 million customers worldwide at 30 June 2021, including 218 million mobile customers and 22 million fixed broadband customers. The Group is present in 26 countries. Orange is also a leading provider of global IT and telecommunication services to multinational companies, under the brand Orange Business Services. In December 2019, the Group presented its new "Engage 2025" strategic plan, which, guided by social and environmental accountability, aims to reinvent its operator model. While accelerating in growth areas and placing data and AI at the heart of its innovation model, the Group will be an attractive and responsible employer, adapted to emerging professions.

Orange is listed on Euronext Paris (symbol ORA) and on the New York Stock Exchange (symbol ORAN).

For more information on the internet and on your mobile: www.orange.com, www.orange-business.com or to follow us on Twitter: @orangegrouppr.

About stc

With its headquarter in Riyadh, stc group is the largest in the Middle East and North Africa based on market cap. stc's revenue for 2020 amounted to 58,953million SAR (15,721 million US dollars) and the net profit amounted to 10,995 million SAR (2,932 million US dollars). stc was established in 1998 and currently has customers around the globe. It is ranking among the world's top 50 digital companies and the first in the Middle East and North Africa according to Forbes. It focuses on providing services to enterprise and consumer customers through a fiber-optic network that spans 217,000 kilometers. stc group was among the first in MENA region to launch 5G networks and was considered one of the fastest globally in deploying 5G network as stc already deployed around 4,000 5G towers as end of 2020. stc group has 14 subsidiaries in the Kingdom, gulf and around the world, and its own 100% of stc Bahrain, 51.8% stake in stc Kuwait and 25% stake in Binariang GSM Holding in Malaysia which owns 62% of Maxis in Malaysia.

In Saudi Arabia (the group's main operation site) stc operates the largest modern mobile network in the Middle East as it covers more than 99% of the country's populated areas in addition to providing 4G mobile broadband to about 90% of the population across the Kingdom of Saudi Arabia. In addition to the above-mentioned, stc is a strong regional player in IoT, managed services, system integration, cloud computing, information security, big data Analytics fintech and artificial intelligence. For more information, please visit https://www.stc.com.sa; or to follow us on Twitter: @stc , @stc_ksa

About Telecom Egypt

Telecom Egypt is the first total telecom operator in Egypt providing all telecom services to its customers including fixed and mobile voice and data services. Telecom Egypt has a long history serving Egyptian customers for over 160 years maintaining a leadership position in the Egyptian telecom market by offering its enterprise and consumer customers the most advanced technology, reliable infrastructure solutions and the widest network of submarine cables. Aside from its mobile operation "WE", the company owns a 45% stake in Vodafone Egypt. Telecom Egypt's shares and GDRs (Ticker: ETEL.CA; TEEG.LN) are traded on The Egyptian Exchange and the London Stock Exchange. Please refer to Telecom Egypt's full financial disclosure on ir.te.eg

For more information, contact:

The investor relations team

Email: investor.relations@te.eg

CO   arege : Telecom Egypt | dgt : Orange SA | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services

RE   africaz : Africa | pakis : Pakistan | india : India | usa : United States | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | indsubz : Indian Subcontinent | namz : North America | sasiaz : Southern Asia

IPD   Wire

PUB   iCrowdNewswire, LLC

AN   Document ICROWDN020211014ehae000xk

HD	**Telstra and Australian govt finalising bid for Digicel's Pacific assets -sources**
WC	362 words
PD	14 October 2021
ET	07:58
SN	Reuters News
SC	LBA
LA	English
CY	Copyright 2021 Thomson Reuters. All Rights Reserved.

LP

CANBERRA/SYDNEY, Oct 14 (Reuters) - Telstra Corp Ltd is close to completing a deal to buy the Pacific operations of telecommunications firm Digicel Group in partnership with the Australian government, two sources familiar with the bid told Reuters on Thursday.

Telstra said in July it was in talks to buy the Pacific business in a deal that would see Australia contribute the bulk of the **funding** - a plan widely viewed as a political move to block China's influence in the region.

TD

"It is fairly imminent. I can't put a timetable on it but the deal is almost done," said an Australian government source. The sources declined to be named as they are not authorised to talk about the deal.

Digicel, founded by Irish billionaire Denis O'Brien, is the largest mobile phone carrier in the Pacific with operations in Papua New Guinea, Fiji, Samoa, Vanuatu and Tahiti - the most lucrative being those in Papua New Guinea.

Australian broadcaster Nine Entertainment has previously reported that Telstra will spend between A$200 million and A$300 million of its money and the government will contribute A$1.5 billion ($1.1 billion).

A Telstra spokesperson declined to comment. Telstra's CEO Andrew Penn last month told investors that any outlay from the company would likely be limited to the "low hundreds of millions".

Digicel last year denied an Australian newspaper report it was considering a sale of its Pacific business to state-owned China Mobile Ltd.

A sale to a Chinese company would be a cause of concern for the Australian government amid strategic competition between U.S. allies and China in the Pacific region.

Australia has ramped up its presence in the Pacific through the creation of a A$2 billion ($1.5 billion) infrastructure financing facility and via its membership of the Quad group - which includes the United States, India and Japan - to counter China's expanding interests in the Indo-Pacific.

($1 = 1.3545 Australian dollars) ($1 = 1.3528 Australian dollars) (Reporting by Colin Packham and Paulina Duran; Editing by Edwina Gibbs)

RF	Released: 2021-10-14T07:58:02.000Z
CO	dgclgl : Digicel Group Limited | tcoma : Telstra Corporation Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services
NS	c181 : Acquisitions/Mergers/Shareholdings | cacqu : Acquisitions/Mergers | cpartn : Partnerships/Collaborations | c18 : Ownership Changes | cactio : Corporate Actions | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter

RE	austr : Australia	china : China	india : India	apacz : Asia Pacific	asiaz : Asia	ausnz : Australia/Oceania	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia	indsubz : Indian Subcontinent	sasiaz : Southern Asia
IPD	Business
IPC	SERVICE:AUF
PUB	Reuters News & Media Inc.
AN	Document LBA0000020211014ehae00yst

SE	AsiaWorld
HD	**China's mobile network operators to push nationwide roll-out of new 5G messaging service**
BY	Xinmei Shen
WC	708 words
PD	5 October 2021
SN	scmp.com
SC	SCMCOM
LA	English
CY	(c) 2021 scmp.com. All rights reserved.

LP

* China Mobile, China Telecom and China Unicom are expected to launch their new 5G messaging service this month

* The service, which integrates video, audio and electronic **payment** functions, could potentially compete with Tencent super app WeChat

TD

China's three major mobile network operators are expected to soon roll out a nationwide 5G messaging service, integrating video, audio and electronic payment functions, that could potentially compete with Tencent Holdings ' ubiquitous, multipurpose super app WeChat.

The new service from China Mobile, China Telecom and China Unicom is expected to make its initial commercial test run in the second half of this month, according to a report by China Securities Journal, a national financial newspaper published by state-run Xinhua News Agency.

Huang Changjian, deputy general manager of China Unicom's product centre, revealed the planned roll-out in a forum at last week's China International Information and Communication Exhibition, an annual event known as PT Expo China, held in Beijing from September 27 to 29. China Mobile, China Telecom and China Unicom had initially planned to introduce the service in April last year.

Do you have questions about the biggest topics and trends from around the world? Get the answers with SCMP Knowledge, our new platform of curated content with explainers, FAQs, analyses and infographics brought to you by our award-winning team.

The new 5G service will enable users to send text, photos, video and audio directly via the message window on their smartphones, without downloading an app, according to the three Hong Kong-listed telecommunications carriers' white paper published in April last year. It will also provide a way for government agencies and companies to provide services and communicate directly with mobile subscribers via chatbots.

"5G messaging will become a new entry [point] for [various] online services," said the three companies, adding that its built-in digital yuan wallet will enable subscribers to directly make mobile payments.

China Mobile, China Telecom and China Unicom did not immediately respond to requests for comment on Monday.

The launch of the new messaging service would take advantage of the rapidly growing number of 5G mobile subscribers in the world's biggest smartphone, internet and 5G market.

China Mobile, the world's largest wireless network operator by subscribers, recorded 304.14 million 5G users out of its total 951.1 million subscribers at the end of August. China Telecom had 146.62 million 5G subscribers in the same period, while China Unicom had 129.1 million 5G network users.

China plans to build at least 600,000 more 5G base stations this year, speeding up the roll-out of the next-generation mobile network in the country's major cities. There were close to 700,000 5G base stations built across the country as of October last year.

While many people see 5G as a technical upgrade to 4G, the next-generation wireless system is expected to be a major building block of the fourth industrial revolution, also known as Industry 4.0, that would accelerate the automation of traditional industries.

In an article published on WeChat last week, China Mobile said it has been working with the Industrial and Commercial Bank of China, the world's largest commercial lender by assets, on launching a digital yuan wallet as part of its 5G messaging service, enabling subscribers to check their balance, statements and directly transfer money to their contacts.

China's version of a sovereign digital currency, the so-called Digital Currency Electronic Payment, still has no official commercial launch date, following extensive tests in cities including Shenzhen and Chengdu.

Analysts, however, do not expect the carriers' new 5G messaging service to threaten WeChat, marketed as Weixin on the mainland, where it had 1.1 billion daily active users as of January this year. By some estimates, WeChat users spend an average of 77 minutes a day on the app.

"It won't pose a threat to WeChat any time soon, as tremendous time and effort is required to create an ecosystem [on that scale]," Liu Xingliang, an independent internet and technology expert, told the South China Morning Post in April last year.

CO	lianto : China Unicom (Hong Kong) Ltd	tenchl : Tencent Holdings Ltd	cthkng : China Mobile Limited	chunte : China United Network Communications Limited	cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	iint : Online Service Providers	itech : Technology
NS	c22 : New Products/Services	ccat : Corporate/Industrial News	cexpro : Products/Services	ncat : Content Types	nfact : Factiva Filters	nfcpin : C&E Industry News Filter
RE	china : China	apacz : Asia Pacific	asiaz : Asia	bric : BRICS Countries	chinaz : Greater China	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	easiaz : Eastern Asia
PUB	South China Morning Post Publishers Limited
AN	Document SCMCOM0020211005eha5000dx

SE	AsiaWorld
HD	**China's mobile network operators to push nationwide roll-out of new 5G messaging service**
BY	Xinmei Shen
WC	712 words
PD	5 October 2021
SN	scmp.com
SC	SCMCOM
LA	English
CY	(c) 2021 scmp.com. All rights reserved.

LP

* China Mobile, China Telecom and China Unicom are expected to launch their new 5G messaging service this month

* The service, which integrates video, audio and electronic **payment** functions, could potentially compete with Tencent super app WeChat

TD

China's three major mobile network operators are expected to soon roll out a nationwide 5G messaging service, integrating video, audio and electronic payment functions, that could potentially compete with Tencent Holdings ' ubiquitous, multipurpose super app WeChat.

The new service from China Mobile, China Telecom and China Unicom is expected to make its initial commercial test run in the second half of this month, according to a report by China Securities Journal, a national financial newspaper published by state-run Xinhua News Agency.

Huang Changjian, deputy general manager of China Unicom's product centre, revealed the planned roll-out in a forum at last week's China International Information and Communication Exhibition, an annual event known as PT Expo China, held in Beijing from September 27 to 29. China Mobile, China Telecom and China Unicom had initially planned to introduce the service in April last year.

Do you have questions about the biggest topics and trends from around the world? Get the answers with SCMP Knowledge, our new platform of curated content with explainers, FAQs, analyses and infographics brought to you by our award-winning team.

The new 5G service will enable users to send text, photos, video and audio directly via the message window on their smartphones, without downloading an app, according to the three Hong Kong-listed telecommunications carriers' white paper published in April last year. It will also provide a way for government agencies and companies to provide services and communicate directly with mobile subscribers via chatbots.

"5G messaging will become a new entry [point] for [various] online services," said the three companies, adding that its built-in digital yuan wallet will enable subscribers to directly make mobile payments.

Click to view image.

China Mobile, China Telecom and China Unicom did not immediately respond to requests for comment on Monday.

The launch of the new messaging service would take advantage of the rapidly growing number of 5G mobile subscribers in the world's biggest smartphone, internet and 5G market.

China Mobile, the world's largest wireless network operator by subscribers, recorded 304.14 million 5G users out of its total 951.1 million subscribers at the end of August. China Telecom had 146.62 million 5G subscribers in the same period, while China Unicom had 129.1 million 5G network users.

China plans to build at least 600,000 more 5G base stations this year, speeding up the roll-out of the next-generation mobile network in the country's major cities. There were close to 700,000 5G base stations built across the country as of October last year.

While many people see 5G as a technical upgrade to 4G, the next-generation wireless system is expected to be a major building block of the fourth industrial revolution, also known as Industry 4.0, that would accelerate the automation of traditional industries.

In an article published on WeChat last week, China Mobile said it has been working with the Industrial and Commercial Bank of China, the world's largest commercial lender by assets, on launching a digital yuan wallet as part of its 5G messaging service, enabling subscribers to check their balance, statements and directly transfer money to their contacts.

China's version of a sovereign digital currency, the so-called Digital Currency Electronic Payment, still has no official commercial launch date, following extensive tests in cities including Shenzhen and Chengdu.

Analysts, however, do not expect the carriers' new 5G messaging service to threaten WeChat, marketed as Weixin on the mainland, where it had 1.1 billion daily active users as of January this year. By some estimates, WeChat users spend an average of 77 minutes a day on the app.

"It won't pose a threat to WeChat any time soon, as tremendous time and effort is required to create an ecosystem [on that scale]," Liu Xingliang, an independent internet and technology expert, told the South China Morning Post in April last year.

CO	lianto : China Unicom (Hong Kong) Ltd | tenchl : Tencent Holdings Ltd | cthkng : China Mobile Limited | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | iint : Online Service Providers | itech : Technology
NS	c22 : New Products/Services | ccat : Corporate/Industrial News | cexpro : Products/Services | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	South China Morning Post Publishers Limited
AN	Document SCMCOM0020211005eha50002t

telecompaper

HD	**China Mobile Hong Kong launches Fiber to the Room All-optical Wi-Fi service**
WC	166 words
PD	30 September 2021
SN	Telecompaper Asia
SC	TELASI
LA	English
CY	Copyright 2021 Telecompaper. All Rights Reserved.

LP

China Mobile Hong Kong Company Limited (CMHK) has introduced its Fiber to the Room (FTTR) smart networking service on the local market. CMHK is simultaneously launching its All-optical Wi-Fi Solution to achieve gigabit full-fiber home networking which routes fiber connections to the entire house. CMHK also reports it currently has more than 5 million users.

CMHK recently partnered with BExcellent Group to establish 'Sync-Class Pro' smart learning environment, and partnered SenseTime on '5G+AI' services. CMHK also collaborated with Zhen Hua Engineering to develop 'Smart Construction Site' services for Hong Kong's construction industry.

TD

CMHK's FTTR smart networking technology uses Wi-Fi 6, and interconnectivity at more than 1000Mbps is achieved with coverage that spans the entire home, the company said. The All-optical Wi-Fi Solution provides connection and network management through an app. The service uses artificial intelligence to automatically identify network issues and perform remote automatic repair.

CO	cthkng : China Mobile Limited | hkbexc : BExcellent Group Holdings Limited | cmbile : China Mobile Communications Corp | bcoetp : Beacon Enterprise Limited
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | i983 : Educational Services | ibcs : Business/Consumer Services
NS	c22 : New Products/Services | ccat : Corporate/Industrial News | cpartn : Partnerships/Collaborations | cexpro : Products/Services | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Telecompaper BV
AN	Document TELASI0020210930eh9u00002

BusinessDay

SE	Companies
HD	**OPEN-ACCESS COMMUNICATIONS -Subsea cable extension by 2Africa to make it world's longest**
BY	Mudiwa Gavaza
WC	459 words
PD	29 September 2021
SN	Business Day
SC	MEWBUD
ED	Business Day
PG	12
LA	English
CY	© Copyright 2021 Arena Holdings (Pty) Ltd
LP	

OPEN-ACCESS COMMUNICATIONS Subsea cable extension by 2Africa to make it world's longest

Technology WriterUS tech giant Facebook and partners including MTN and Vodacom parent Vodafone, have unveiled plans to extend its 2Africa undersea communications cable to the longest in world, which will connect billions more to the internet.

TD

On Tuesday, the 2Africa consortium, which also counts China Mobile International, France's Orange and Telecom Egypt among its members, announced the addition of a new segment — the 2Africa Pearls branch — extending to the Arabian Gulf, India and Pakistan. This will bring the total length of the 2Africa system to more than 45,000km, "the longest subsea cable system ever deployed".

2Africa will now connect three continents: Africa, Europe and Asia terrestrially through Egypt, by adding landing locations in Oman, the United Arab Emirates, Qatar, Bahrain, Kuwait, Iraq, Pakistan, India and Saudi Arabia.

The new branches join the recently announced extension to the Canary Islands, Seychelles, Comoros Islands, Angola and southeast Nigeria.

The consortium says 2Africa will deliver a faster, more reliable internet service to each country. "To further support a burgeoning global digital economy, the expanded system will serve an even wider range of communities that rely on the internet for services from education to health care and businesses, providing economic and social benefits that come from increased connectivity."

Overall, the group says, its undersea cable system will have capacity to connect up to 3-billion people, up from the initially planned 1.2-billion.

Subsea cables are the cornerstone of the internet, carrying virtually all of the world's data.

The actual build will be done by Alcatel Submarine Networks (ASN), which has been selected to deploy the new branches.

Facebook has invested in the 2Africa cable system, which it calls one of the largest subsea cable projects in the world, for a number of years. It will eventually circle Africa.

Using an open-access model, capacity from the cable will be available to service providers at carrier-neutral data centres or open-access cable landing stations "on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem".

Launched in May 2020, 2Africa is still in the planning and development phase, with building expected to start in 2022 and the system to go live in 2023. ASN is said to have started manufacturing some of the components and sections of the build at its factories in Calais, France and Greenwich in the UK.

In addition to MTN and Vodacom's parent, local players such as Seacom, Telkom and Liquid Telecom have large investments in undersea cable systems.

gavazam@businesslive.co.za

Picture: 123RF/ALPHASPIRIT

CO	arege : Telecom Egypt	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i341 : Wires/Cables	iindstrls : Industrial Goods	i7902 : Telecommunication Services	i79021 : Wired Telecommunications Services	i79022 : Wireless Telecommunications Services	i7902202 : Mobile Telecommunications
NS	ccat : Corporate/Industrial News
RE	africaz : Africa	india : India	asiaz : Asia	bric : BRICS Countries	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	indsubz : Indian Subcontinent	sasiaz : Southern Asia
IPD	US
PUB	Arena Holdings (Pty) Ltd
AN	Document MEWBUD0020210929eh9t0000n

HD **2Africa will be longest subsea <mark>cable</mark> system in the world**

WC 509 words

PD 28 September 2021

SN Optical Networks Daily

SC OBSERV

LA English

CY

LP

The 2Africa <mark>cable</mark> system will add an extension to the Arabian Gulf, India, and Pakistan, bringing its total length to over 45,000 kilometers, making it the longest subsea <mark>cable</mark> system ever deployed.

The 2Africa consortium includes China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC.

TD

Now connecting three continents, Africa, Europe and Asia terrestrially through Egypt, 2Africa creates unique connectivity by adding vital landing locations in Oman (Barka), UAE (Abu Dhabi and Kalba), Qatar (Doha), Bahrain (Manama), Kuwait (Kuwait), Iraq (Al-Faw), Pakistan (Karachi), India (Mumbai), and a fourth landing in Saudi Arabia (Al Khobar). The new 2Africa branch joins recently announced extensions to the Canary Islands, the Seychelles, Comoros Islands, Angola, and a new landing to south-east Nigeria.

As with other 2Africa cable landings, capacity will be available in PEARLS landings at carrier-neutral facilities or open-access cable landing stations on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

Alcatel Submarine Networks (ASN) will deploy the new system utilizing new technologies such as SDM that allow the deployment of up to 16 fiber pairs.

[2Africa subsea cable boasts design capacity up to 180 Tbps](#)

Thursday, May 14, 2020 [Africa](#), [ASN](#), [Egypt](#), [Facebook](#), [Submarine Cable](#), [Subsea](#), [Telecom Egypt](#)

2Africa, a new subsea cable to serve the African continent and Middle East region, promises to deliver more than the total combined capacity of all subsea cables serving Africa today, with a design capacity of up to 180Tbps on key parts of the system.

Consortium partners include China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC.

Alcatel Submarine Networks (ASN) has been selected to build the fully-funded cable. The project will leverage SDM1 (space division multiplexing) technology from ASN, allowing deployment of up to 16 fiber pairs instead of the eight fiber pairs supported by older technologies. The cable will incorporate optical switching technology to enable flexible management of bandwidth. Cable burial depth has also been increased by 50% compared to older systems, and cable routing will avoid locations of known subsea disturbance, all helping to ensure the highest levels of availability.

The 2Africa subsea cable will span 37,000km long, interconnect Europe (eastward via Egypt), the Middle East (via Saudi Arabia), and 21 landings in 16 countries in Africa. The system is expected to go live in 2023/4. Each of the cable landing sites will offer carrier-neutral data centers or open-access cable landing stations on a fair and equitable basis.

In addition, the 2Africa parties and Airtel have signed an agreement with Telecom Egypt to provide a completely new crossing linking the Red Sea and the Mediterranean, the first in over a decade. This includes new cable landing stations and deployment of next-generation fiber on two new, diverse terrestrial routes parallel to the Suez Canal from Ras Ghareb to Port Said, and a new subsea link that will provide a third path between Ras Ghareb and Suez.

CO   arege : Telecom Egypt | dgt : Orange SA | ratel : Vodafone Group Plc | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i341 : Wires/Cables | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | iindstrls : Industrial Goods | i79021 : Wired Telecommunications Services

RE   africaz : Africa | egypt : Egypt | qatar : Qatar | pakis : Pakistan | india : India | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | gulfstz : Persian Gulf Region | indsubz : Indian Subcontinent | meastz : Middle East | medz : Mediterranean | nafrz : North Africa | sasiaz : Southern Asia | wasiaz : Western Asia

IPD Subsea

PUB Electronics International

AN   Document OBSERV0020210929eh9s00001

HD	**2Africa Extended to The Arabian Gulf, Pakistan and India**
BY	Media Outreach
WC	452 words
PD	28 September 2021
SN	The Arabian Post
SC	ARAPO
LA	English
CY	© The Arabian Post

LP

Now the Longest Subsea <mark>Cable</mark> System in the World

HONG KONG SAR – Media OutReach – 28 September 2021 – The 2Africa consortium, comprised of China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the addition of a new segment – the 2Africa PEARLS branch – extending to the Arabian Gulf, Pakistan and into India. This extension will bring the total length of the 2Africa <mark>cable</mark> system to over 45,000 kilometers, making it the longest subsea <mark>cable</mark> system ever deployed.

TD

Now connecting three continents, Africa, Europe and Asia terrestrially through Egypt, 2Africa creates unique connectivity by adding vital landing locations in Oman (Barka), UAE (Abu Dhabi and Kalba), Qatar (Doha), Bahrain (Manama), Kuwait (Kuwait), Iraq (Al-Faw), Pakistan (Karachi), India (Mumbai), and a fourth landing in Saudi Arabia (Al Khobar). The new 2Africa PEARLS branch joins recently announced extensions to the Canary Islands, the Seychelles, Comoros Islands, Angola, and a new landing to south-east Nigeria.

As with other 2Africa cable landings, capacity will be available in PEARLS landings at carrier-neutral facilities or open-access cable landing stations on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

To further support a burgeoning global digital economy, the expanded system will serve an even wider range of communities that rely on the internet for services from education to healthcare, and businesses, providing economic and social benefits that come from increased connectivity. As announced in May 2020, 2Africa was planned to directly bring seamless international connectivity to 1.2 billion people. Today, with 2Africa PEARLS, 2Africa will be providing international connectivity to an additional 1.8 billion people–that's 3 billion people, representing 36% of the global population.

Alcatel Submarine Networks (ASN) will deploy the new system utilizing new technologies such as SDM that allow the deployment of up to 16 fiber pairs, double that of older technologies and bringing greater and more cost-effective capacity.

According to China Mobile International (CMI), extending the 2Africa cable system to bring international connectivity to more people in Africa, the Middle East and Asia helps deliver on its vision of driving intelligent digital transformation. CMI continues to invest in the Arabian Gulf region, and the new 2Africa PEARLS branch is an important addition to its network further connecting its PoPs around the Arabian Sea to its digital infrastructure to Europe and Asia. Together with the London and Frankfurt data centers launched earlier, CMI's resources has built a superhighway, ensuring the capacity as well as the service quality to address the increased bandwidth demand driving by 5G and digitalization, between Europe-Africa-middle East-Asia.

#2Africa

CO	arege : Telecom Egypt	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i79021 : Wired Telecommunications Services
NS	ccat : Corporate/Industrial News
RE	africaz : Africa	pakis : Pakistan	india : India	asiaz : Asia	bric : BRICS Countries	devgcoz : Emerging Market Countries	dvpcoz : Developing Economies	indsubz : Indian Subcontinent	sasiaz : Southern Asia

IPD Asian News by Media-Outreach, syndication, Syndication Business

PUB The Arabian Post

AN Document ARAPO00020210928eh9s00001

HD **2Africa Extended to The Arabian Gulf, Pakistan and India**

WC 453 words

PD 28 September 2021

SN LiveNews.co.nz

SC LIVNEW

LA English

CY Copyright 2021. Multimedia Investments Ltd. All Rights Reserved

LP

Source: Media Outreach

HONG KONG SAR - Media OutReach - 28 September 2021 - The 2Africa consortium, comprised of China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the addition of a new segment - the 2Africa PEARLS branch - extending to the Arabian Gulf, Pakistan and into India. This extension will bring the total length of the 2Africa <mark>cable</mark> system to over 45,000 kilometers, making it the longest subsea <mark>cable</mark> system ever deployed.

TD

Now connecting three continents, Africa, Europe and Asia terrestrially through Egypt, 2Africa creates unique connectivity by adding vital landing locations in Oman (Barka), UAE (Abu Dhabi and Kalba), Qatar (Doha), Bahrain (Manama), Kuwait (Kuwait), Iraq (Al-Faw), Pakistan (Karachi), India (Mumbai), and a fourth landing in Saudi Arabia (Al Khobar). The new 2Africa PEARLS branch joins recently announced extensions to the Canary Islands, the Seychelles, Comoros Islands, Angola, and a new landing to south-east Nigeria.

As with other 2Africa cable landings, capacity will be available in PEARLS landings at carrier-neutral facilities or open-access cable landing stations on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

To further support a burgeoning global digital economy, the expanded system will serve an even wider range of communities that rely on the internet for services from education to healthcare, and businesses, providing economic and social benefits that come from increased connectivity. As announced in May 2020, 2Africa was planned to directly bring seamless international connectivity to 1.2 billion people. Today, with 2Africa PEARLS, 2Africa will be providing international connectivity to an additional 1.8 billion people-that's 3 billion people, representing 36% of the global population.

Alcatel Submarine Networks (ASN) will deploy the new system utilizing new technologies such as SDM that allow the deployment of up to 16 fiber pairs, double that of older technologies and bringing greater and more cost-effective capacity.

According to China Mobile International (CMI), extending the 2Africa cable system to bring international connectivity to more people in Africa, the Middle East and Asia helps deliver on its vision of driving intelligent digital transformation. CMI continues to invest in the Arabian Gulf region, and the new 2Africa PEARLS branch is an important addition to its network further connecting its PoPs around the Arabian Sea to its digital infrastructure to Europe and Asia. Together with the London and Frankfurt data centers launched earlier, CMI's resources has built a superhighway, ensuring the capacity as well as the service quality to address the increased bandwidth demand driving by 5G and digitalization, between Europe-Africa-middle East-Asia.

#2Africa

- Published and distributed with permission of Media-Outreach.com.

CO arege : Telecom Egypt | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services

RE africaz : Africa | pakis : Pakistan | india : India | china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | indsubz : Indian Subcontinent | sasiaz : Southern Asia

IPD 24/7,24/7 News,Africa,AM-NC,Asia,Asia Pacific,Asia Pacific Region,Business,China,CTF,KB,KB,Media Outreach,Middle East,MIL OSI,Pacific,,Technology,Transport

PUB Multimedia Investments Ltd

AN Document LIVNEW0020210928eh9s000mb

MediaOutReach

HD	**2Africa Extended to The Arabian Gulf, Pakistan and India**
WC	456 words
PD	28 September 2021
SN	Media OutReach Newswire
SC	MORNEN
LA	English
CY	Copyright 2021. Media OutReach Limited. All rights reserved.

LP

Now the Longest Subsea Cable System in the World

HONG KONG SAR - Media OutReach - 28 September 2021 - The 2Africa consortium, comprised of China Mobile International, Facebook, MTN GlobalConnect, Orange, stc, Telecom Egypt, Vodafone and WIOCC, announced today the addition of a new segment - the 2Africa PEARLS branch - extending to the Arabian Gulf, Pakistan and into India. This extension will bring the total length of the 2Africa cable system to over 45,000 kilometers, making it the longest subsea cable system ever deployed.

TD

Click Here to View Image

Now connecting three continents, Africa, Europe and Asia terrestrially through Egypt, 2Africa creates unique connectivity by adding vital landing locations in Oman (Barka), UAE (Abu Dhabi and Kalba), Qatar (Doha), Bahrain (Manama), Kuwait (Kuwait), Iraq (Al-Faw), Pakistan (Karachi), India (Mumbai), and a fourth landing in Saudi Arabia (Al Khobar). The new 2Africa PEARLS branch joins recently announced extensions to the Canary Islands, the Seychelles, Comoros Islands, Angola, and a new landing to south-east Nigeria.

As with other 2Africa cable landings, capacity will be available in PEARLS landings at carrier-neutral facilities or open-access cable landing stations on a fair and equitable basis, encouraging and supporting the development of a healthy internet ecosystem.

To further support a burgeoning global digital economy, the expanded system will serve an even wider range of communities that rely on the internet for services from education to healthcare, and businesses, providing economic and social benefits that come from increased connectivity. As announced in May 2020, 2Africa was planned to directly bring seamless international connectivity to 1.2 billion people. Today, with 2Africa PEARLS, 2Africa will be providing international connectivity to an additional 1.8 billion people--that's 3 billion people, representing 36% of the global population.

Alcatel Submarine Networks (ASN) will deploy the new system utilizing new technologies such as SDM that allow the deployment of up to 16 fiber pairs, double that of older technologies and bringing greater and more cost-effective capacity.

According to China Mobile International (CMI), extending the 2Africa cable system to bring international connectivity to more people in Africa, the Middle East and Asia helps deliver on its vision of driving intelligent digital transformation. CMI continues to invest in the Arabian Gulf region, and the new 2Africa PEARLS branch is an important addition to its network further connecting its PoPs around the Arabian Sea to its digital infrastructure to Europe and Asia. Together with the London and Frankfurt data centers launched earlier, CMI's resources has built a superhighway, ensuring the capacity as well as the service quality to address the increased bandwidth demand driving by 5G and digitalization, between Europe-Africa-middle East-Asia.

#2Africa

Contacts

CO	arege : Telecom Egypt	cthkng : China Mobile Limited	cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i79021 : Wired Telecommunications Services

NS   npress : Press Releases | ncat : Content Types

RE   africaz : Africa | pakis : Pakistan | india : India | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | indsubz : Indian Subcontinent | sasiaz : Southern Asia

PUB   Media OutReach Limited

AN   Document MORNEN0020210928eh9s000gp

THE AUSTRALIAN

SE	Nation
HD	**Aussie super funds cop heat for Chinese investments**
BY	RICHARD FERGUSON
WC	580 words
PD	23 September 2021
ET	05:15
SN	The Australian - Online
SC	AUSTOL
LA	English
CY	© News Pty Limited. No redistribution is permitted.

LP

Australia's major superannuation and **investment** funds are facing calls to reconsider billions invested into Chinese firms linked to human rights abuses.

A global report by human rights group Hong Kong Watch – which counts the last British governor of Hong Kong, Chris Patten, as its lead patron – has found pension funds around the world are heavily backing Chinese companies from tech giants to Communist Party state banks to black-listed surveillance firms.

TD

Australian super funds including Australian Super and the Commonwealth Super Scheme have been targeted by HK Watch for investments of up to $562m in Chinese companies facing allegations.

The superannuation sector is now facing calls from within Labor to consider its position on Chinese investments with Labor senator Kimberley Kitching saying that the HK Watch report raised serious questions about the investment in firms linked to abuses.

"There are three reasons why Australian investors and fund managers need to ask themselves some tough questions. They need to ask whether their money is safe there in a country where the state can confiscate any asset at any time," she told The Australian.

"They need to ask whether they are enabling human rights abuses in Xinjiang, Hong Kong and Tibet.

"And, they need to ask whether they are supporting a regime that seems to be more and more hostile in its rhetoric aimed at neighbours, at our region and at our values. History teaches us to take threats from authoritarian regimes very seriously."

Questions about 'closeness' to Beijing

The major investments made in Australia are in tech giants Alibaba and Tencent, which the HK Watch report says now face major questions about their closeness to the Beijing regime.

But there are also investments in firms directly linked to allegations of human rights violations in Xinjiang and major money flows into the CCP's state organs.

Australian Super had invested heavily in Alibaba and Tencent with $563m and $409m in investments respectively.

The major super fund also has investments in Chinese state banks including $4.9m in Bank of China and $9m in China Construction Bank.

The HK Watch report also says that Australian Super has put $3.2m into surveillance company Hikvision which is on a US sanctions list over links to persecution of Uyghurs in China.

An Australian Super spokesman said consideration of human rights issues were part of its decision-making process, despite the controversial Chinese investments.

"The Fund has a longstanding program of integrating labour supply chain and human rights considerations into the equity investment process and identifies sectors where these issues can materially affect value. This is part of a broader program where we consider ESG factors both before we make an investment and also throughout the life of the investment," he said.

The federal government's Commonwealth Superannuation Scheme – which was created for the pensions of government employees – counts Alibaba and Tencent among its largest holdings, accounting for $51m and $71.5m respectively.

ANZ pension funds – now owned by IOOF – all include Alibaba, Tencent, China Mobile, China Telecommunications Corporation, and China Petroleum and Chemical Corporation in their holdings.

Macquarie Wealth's Emerging Markets Fund – operated outside the bank by Walter Scott & Partners — was found to have Tencent as its second largest holding (3.91 per cent of the fund) and Alibaba as its fifth largest holding (3.58 per cent of the fund).

UniSuper and Aware Super also have investments in Alibaba and Tencent.

CO	tenchl : Tencent Holdings Ltd | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	ipension : Pension Funds | i81502 : Trusts/Funds/Financial Vehicles | ifinal : Financial Services | iinv : Investing/Securities | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | iint : Online Service Providers | itech : Technology
NS	c12 : Corporate Crime/Legal Action | ghum : Human Rights/Civil Liberties | ccsr : Corporate Social Responsibility | gretir : Retirement Planning | ccat : Corporate/Industrial News | cesg : Environmental/Social/Governance | gcat : Political/General News | gcom : Society/Community | gpersf : Personal Finance | ncat : Content Types | nfact : Factiva Filters | nfcpex : C&E Executive News Filter | nfcpin : C&E Industry News Filter
RE	china : China | hkong : Hong Kong | austr : Australia | apacz : Asia Pacific | asiaz : Asia | ausnz : Australia/Oceania | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
IPD	pension funds
PUB	Nationwide News Pty Ltd.
AN	Document AUSTOL0020210923eh9n001up

HD	**ZTE wins largest share in bid section 4 of China Mobile's high-end router centralized procurement**
CR	ZTE Corporation; PR Newswire
WC	437 words
PD	17 September 2021
ET	14:28
SN	PR Newswire Asia
SC	PRNASI
LA	English
CY	Copyright © 2021 PR Newswire Association LLC. All Rights Reserved.

LP

SHENZHEN, China, Sept. 17, 2021 /PRNewswire/ -- ZTE Corporation (0763. HK / 000063.SZ), a major international provider of telecommunications, enterprise, and consumer technology solutions for the mobile internet, today announced that it has secured the share of 50% in section 4 of China Mobile's high-end router/switch centralized procurement 2021-2022, ranking No. 1 by virtue of its high-end routers ZXR10 M6000-18 S and ZXR10 M6000-8S Plus. This section is the largest one in the high-end router centralized procurement of China Mobile, containing the largest number of equipment.

ZTE will provide the routers to take the role of SR (Service Router) and PE (Provider Edge) in such scenarios as cloud private network, network cloud, 5G UPF (User Plane Function), IP private network and MAN (Metropolitan Area Network). Besides, ZTE will provide necessary equipment for the future IP network of China Mobile, especially cloud private networks and 5G transport networks.

TD

Based on ROSng, the router operating system with its independent intellectual property rights, ZTE's high-end router ZXR10 M6000-S supports SR/EVPN/SRv6/BIER and boosts the evolution of IP networks towards simplicity and intelligence. The router employs the in-house NP (Network Processor) to enable the single-slot 1T performance, and reaches the industry-leading standards in forwarding performance, energy saving and SDN (Software Defined Network).

In June 2021, ZTE's high-end routers ZXR10 T8000 and ZXR10 M6000-3S ranked No. 2 in the comprehensive assessment, and were respectively selected for the bid section 3 & 5 of this procurement. In addition, in China Mobile's high-end router centralized procurement 2019-2020, ZTE's ZXR10 M6000-S ranked No. 1 in section 2 (for 2T high-end routers) and No. 2 in section 3 (for 400G high-end routers). So far, the ZXR10 M6000-S ranked top 2 in market share of the country.

As a driver of the digital economy, ZTE has been committed to delivering the leading digital infrastructure solutions. With its continuous innovation, the company has built up core competitiveness in standard patents, key technologies and product solutions to accelerate 5G network constructions.

Moving forward, ZTE, in partnership with China Mobile, will further innovate its 5G network technologies, and expedite commercial deployments of 5G networks to embrace a digital future.

Media Contacts:

Margaret Ma

ZTE Corporation

Tel: +86 755 26775189

Email: ma.gaili@zte.com.cn

SOURCE ZTE Corporation

https://rt.prnewswire.com/rt.gif?NewsItemId=AE10728&Transmission_Id=202109170928PR_NEWS_ASP R____AE10728&DateId=20210917

CO	zhongt : ZTE Corp	cmbile : China Mobile Communications Corp	cthkng : China Mobile Limited

IN i34411 : Mobile Communications Devices | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i33031 : LAN/WAN Hardware | i3302 : Computers/Consumer Electronics | i3303 : Networking | i3441 : Telecommunications Equipment | i79022 : Wireless Telecommunications Services | ibrdbi : Broadband Equipment | itech : Technology

NS gptech : Personal Technology | ccat : Corporate/Industrial News | npress : Press Releases | gcat : Political/General News | glife : Living/Lifestyle | ncat : Content Types

RE china : China | easiaz : Eastern Asia | chinaz : Greater China | shenzh : Shenzhen | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | guang : Guangdong

IPD -

IPC CPR

PUB PR Newswire Association, Inc.

AN Document PRNASI0020210917eh9h002jp

HD	**ZTE wins largest share in bid section 4 of China Mobile's high-end router centralized procurement**
CR	ZTE Corporation; PR Newswire
WC	435 words
PD	17 September 2021
ET	12:23
SN	PR Newswire Europe
SC	TWOTEN
LA	English
CY	Copyright © 2021 PR Newswire Europe Limited. All Rights Reserved.
LP	

SHENZHEN, China, Sept. 17, 2021 /PRNewswire/ -- ZTE Corporation (0763. HK / 000063.SZ), a major international provider of telecommunications, enterprise, and consumer technology solutions for the mobile internet, today announced that it has secured the share of 50% in section 4 of China Mobile's high-end router/switch centralized procurement 2021-2022, ranking No. 1 by virtue of its high-end routers ZXR10 M6000-18 S and ZXR10 M6000-8S Plus. This section is the largest one in the high-end router centralized procurement of China Mobile, containing the largest number of equipment.

ZTE will provide the routers to take the role of SR (Service Router) and PE (Provider Edge) in such scenarios as cloud private network, network cloud, 5G UPF (User Plane Function), IP private network and MAN (Metropolitan Area Network). Besides, ZTE will provide necessary equipment for the future IP network of China Mobile, especially cloud private networks and 5G transport networks.

TD	

Based on ROSng, the router operating system with its independent intellectual property rights, ZTE's high-end router ZXR10 M6000-S supports SR/EVPN/SRv6/BIER and boosts the evolution of IP networks towards simplicity and intelligence. The router employs the in-house NP (Network Processor) to enable the single-slot 1T performance, and reaches the industry-leading standards in forwarding performance, energy saving and SDN (Software Defined Network).

In June 2021, ZTE's high-end routers ZXR10 T8000 and ZXR10 M6000-3S ranked No. 2 in the comprehensive assessment, and were respectively selected for the bid section 3 & 5 of this procurement. In addition, in China Mobile's high-end router centralized procurement 2019-2020, ZTE's ZXR10 M6000-S ranked No. 1 in section 2 (for 2T high-end routers) and No. 2 in section 3 (for 400G high-end routers). So far, the ZXR10 M6000-S ranked top 2 in market share of the country.

As a driver of the digital economy, ZTE has been committed to delivering the leading digital infrastructure

solutions. With its continuous innovation, the company has built up core competitiveness in standard patents, key technologies and product solutions to accelerate 5G network constructions.

Moving forward, ZTE, in partnership with China Mobile, will further innovate its 5G network technologies, and expedite commercial deployments of 5G networks to embrace a digital future.

Media Contacts:

Margaret Ma

ZTE Corporation

Tel: +86 755 26775189

Email: ma.gaili@zte.com.cn

https://rt.prnewswire.com/rt.gif?NewsItemId=EN10728&Transmission_Id=202109170723PR_NEWS_EURO_ND__EN10728&DateId=20210917

CO	zhongt : ZTE Corp | cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited
IN	i34411 : Mobile Communications Devices | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i33031 : LAN/WAN Hardware | i3302 : Computers/Consumer Electronics | i3303 : Networking | i3441 : Telecommunications Equipment | i79022 : Wireless Telecommunications Services | ibrdbi : Broadband Equipment | itech : Technology
NS	gptech : Personal Technology | ccat : Corporate/Industrial News | npress : Press Releases | gcat : Political/General News | glife : Living/Lifestyle | ncat : Content Types
RE	china : China | easiaz : Eastern Asia | chinaz : Greater China | iran : Iran | shenzh : Shenzhen | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | guang : Guangdong | gulfstz : Persian Gulf Region | meastz : Middle East | wasiaz : Western Asia
IPD	ZTECorporation
IPC	CPR
PUB	PR Newswire Association, Inc.
AN	Document TWOTEN0020210917eh9h0028l

HD	**ZTE wins largest share in bid section 4 of China Mobile's high-end router centralized procurement**
CR	ZTE Corporation; Canada NewsWire
WC	475 words
PD	17 September 2021
ET	11:40
SN	Canada NewsWire
SC	CNNW
LA	English
CY	Copyright © 2021 Canada NewsWire Ltd. All rights reserved.
LP	

SHENZHEN, China, Sept. 17, 2021 /CNW/ -- ZTE Corporation (0763. HK / 000063.SZ), a major international provider of telecommunications, enterprise, and consumer technology solutions for the mobile internet, today announced that it has secured the share of 50% in section 4 of China Mobile's high-end router/switch centralized procurement 2021-2022, ranking No. 1 by virtue of its high-end routers ZXR10 M6000-18 S and ZXR10 M6000-8S Plus. This section is the largest one in the high-end router centralized procurement of China Mobile, containing the largest number of equipment.

ZTE will provide the routers to take the role of SR (Service Router) and PE (Provider Edge) in such scenarios as cloud private network, network cloud, 5G UPF (User Plane Function), IP private network and MAN (Metropolitan Area Network). Besides, ZTE will provide necessary equipment for the future IP network of China Mobile, especially cloud private networks and 5G transport networks.

TD

Based on ROSng, the router operating system with its independent intellectual property rights, ZTE's high-end router ZXR10 M6000-S supports SR/EVPN/SRv6/BIER and boosts the evolution of IP networks towards simplicity and intelligence. The router employs the in-house NP (Network Processor) to enable the single-slot 1T performance, and reaches the industry-leading standards in forwarding performance, energy saving and SDN (Software Defined Network).

In June 2021, ZTE's high-end routers ZXR10 T8000 and ZXR10 M6000-3S ranked No. 2 in the comprehensive assessment, and were respectively selected for the bid section 3 & 5 of this procurement. In addition, in China Mobile's high-end router centralized procurement 2019-2020, ZTE's ZXR10 M6000-S ranked No. 1 in section 2 (for 2T high-end routers) and No. 2 in section 3 (for 400G high-end routers). So far, the ZXR10 M6000-S ranked top 2 in market share of the country.

As a driver of the digital economy, ZTE has been committed to delivering the leading digital infrastructure

solutions. With its continuous innovation, the company has built up core competitiveness in standard patents, key technologies and product solutions to accelerate 5G network constructions.

Moving forward, ZTE, in partnership with China Mobile, will further innovate its 5G network technologies, and expedite commercial deployments of 5G networks to embrace a digital future.

Media Contacts:

Margaret Ma

ZTE Corporation

Tel: +86 755 26775189

Email: ma.gaili@zte.com.cn

https://c212.net/c/img/favicon.png?sn=CN10728&sd=2021-09-17

View original content: https://www.prnewswire.com/news-releases/zte-wins-largest-share-in-bid-section-4-of-china-mobiles-high-end-router-centralized-procurement-301379469.html

SOURCE ZTE Corporation

https://rt.prnewswire.com/rt.gif?NewsItemId=C4190&Transmission_Id=202109170640CANADANWCANADAPR_C4190&DateId=20210917

CO	zhongt : ZTE Corp | cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited
IN	i34411 : Mobile Communications Devices | i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i33031 : LAN/WAN Hardware | i3302 : Computers/Consumer Electronics | i3303 : Networking | i3441 : Telecommunications Equipment | i79022 : Wireless Telecommunications Services | ibrdbi : Broadband Equipment | itech : Technology
NS	gptech : Personal Technology | ccat : Corporate/Industrial News | npress : Press Releases | gcat : Political/General News | glife : Living/Lifestyle | ncat : Content Types
RE	china : China | easiaz : Eastern Asia | chinaz : Greater China | shenzh : Shenzhen | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | guang : Guangdong
IPD	ZTE-mobile-internet
IPC	CPR
PUB	PR Newswire Association, Inc.
AN	Document CNNW000020210917eh9h001b9

PR Newswire
a CISION company

HD	**(PR) ZTE wins largest share in bid section 4 of China Mobile's high-end router centralized procurement**
WC	452 words
PD	17 September 2021
ET	11:40
SN	PR Newswire
SC	PRN
LA	English
CY	Copyright © 2021 PR Newswire Association LLC. All Rights Reserved.
LP	

SHENZHEN, China, Sept. 17, 2021 /PRNewswire/ -- ZTE Corporation (0763. HK / 000063.SZ), a major international provider of telecommunications, enterprise, and consumer technology solutions for the mobile internet, today announced that it has secured the share of 50% in section 4 of China Mobile's high-end router/switch centralized procurement 2021-2022, ranking No. 1 by virtue of its high-end routers ZXR10 M6000-18 S and ZXR10 M6000-8S Plus. This section is the largest one in the high-end router centralized procurement of China Mobile, containing the largest number of equipment.

ZTE will provide the routers to take the role of SR (Service Router) and PE (Provider Edge) in such scenarios as cloud private network, network cloud, 5G UPF (User Plane Function), IP private network and MAN (Metropolitan Area Network). Besides, ZTE will provide necessary equipment for the future IP network of China Mobile, especially cloud private networks and 5G transport networks.

TD

Based on ROSng, the router operating system with its independent intellectual property rights, ZTE's high-end router ZXR10 M6000-S supports SR/EVPN/SRv6/BIER and boosts the evolution of IP networks towards simplicity and intelligence. The router employs the in-house NP (Network Processor) to enable the single-slot 1T performance, and reaches the industry-leading standards in forwarding performance, energy saving and SDN (Software Defined Network).

In June 2021, ZTE's high-end routers ZXR10 T8000 and ZXR10 M6000-3S ranked No. 2 in the comprehensive assessment, and were respectively selected for the bid section 3 & 5 of this procurement. In addition, in China Mobile's high-end router centralized procurement 2019-2020, ZTE's ZXR10 M6000-S ranked No. 1 in section 2 (for 2T high-end routers) and No. 2 in section 3 (for 400G high-end routers). So far, the ZXR10 M6000-S ranked top 2 in market share of the country.

As a driver of the digital economy, ZTE has been committed to delivering the leading digital infrastructure solutions. With its continuous innovation, the company

has built up core competitiveness in standard patents, key technologies and product solutions to accelerate 5G network constructions.

Moving forward, ZTE, in partnership with China Mobile, will further innovate its 5G network technologies, and expedite commercial deployments of 5G networks to embrace a digital future.

Media Contacts:

Margaret Ma

ZTE Corporation

Tel: +86 755 26775189

Email: ma.gaili@zte.com.cn

View original content: https://www.prnewswire.com/news-releases/zte-wins-largest-share-in-bid-section-4-of-china-mobiles-high-end-router-centralized-procurement-301379469.html

SOURCE ZTE Corporation

/Web site: www.zte.com.cn

(END)

CO	zhongt : ZTE Corp | cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited
IN	i34411 : Mobile Communications Devices | i7902202 : Mobile Telecommunications | i33031 : LAN/WAN Hardware | i3302 : Computers/Consumer Electronics | i3303 : Networking | i3441 : Telecommunications Equipment | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | ibrdbi : Broadband Equipment | itech : Technology
NS	gptech : Personal Technology | npress : Press Releases | gcat : Political/General News | glife : Living/Lifestyle | ncat : Content Types
RE	china : China | easiaz : Eastern Asia | chinaz : Greater China | shenzh : Shenzhen | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | guang : Guangdong
PUB	PR Newswire Association, Inc.
AN	Document PRN0000020210917eh9h0003g

MarketLine

HD	**Tsinghua Unisplendour Secures USD93.09 Million in Venture Funding**
WC	144 words
PD	15 September 2021
SN	MarketLine Financial Deals Tracker
SC	FDTRA
LA	English
CY	© 2021, MarketLine. All rights reserved
LP	

Deal In Brief

Tsinghua Unisplendour Co Ltd, a China-based company which deals with electronic equipment and IT services, has secured CNY600 million in venture funding led by China Mobile Capital.

TD

```
Deal Value ( US$ Million)   93.1
Deal Type                   Venture Finance
Sub-Category                Growth Capital/Expansion
Deal Status                 Completed: 2021-09-15
```

Deal Participants

```
Target ( Company)    Tsinghua Unisplendour Co., Ltd
Acquirer ( Company)  China Mobile Capital Holding Co., Ltd
```

Deal Rationale

Tsinghua Unisplendour will use the proceeds for cloud computing and cloud service-related technology research and development, market expansion, and node construction.

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	cpfund : Private Equity/Venture Funding | c17 : Corporate Funding | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
PUB	Progressive Digital Media Ltd
AN	Document FDTRA00020210925eh9f000bo

SE	即市頭條- Latest News
HD	**CHINA MOBILE Initiates Tens of Billions of RMB Optic Cable Procurement Project**
WC	87 words
PD	11 September 2021
SN	AAStocks Financial News
SC	AASFNE
LA	English
CY	Copyright © 2021. AAStocks.com Limited. All rights reserved.
LP	

CHINA MOBILE (00941.HK) announced to start the centralized procurement project of ordinary optical cables for 2021-22 as the market expects the sector's demand-supply dynamics to see further improvement.

TD

The highest bidding price for this procurement project is set at RMB9.859 billion, with the procurement scale expanded by 20% and 36% respectively, compared to 2020 and 2019.

~

AAStocks Financial News

Web Site: www.aastocks.com

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	AAStocks.com Limited
AN	Document AASFNE0020210911eh9b0015p

HD	***China Mobile Enters Into 5G Network Co-Construction & Sharing Supplemental Agreement With China Broadcasting Network**
WC	105 words
PD	10 September 2021
ET	09:42
SN	Dow Jones Institutional News
SC	DJDN
LA	English
CY	Copyright © 2021, Dow Jones & Company, Inc.
LP	

10 Sep 2021 04:44 ET *China Mobile, China Broadcasting Network to Co-Construct, Share 700MHz Wireless Network

10 Sep 2021 04:48 ET *China Mobile Unit to Initially Bear All Construction Costs, Own Assets of Said Wireless Network

TD

10 Sep 2021 04:50 ET *China Broadcasting Network to Pay Network Usage Fees to China Mobile Unit

10 Sep 2021 04:53 ET *China Broadcasting Network May Purchase 50% of 700MHz Equipment, Assets From China Mobile Unit

(END) Dow Jones Newswires

September 10, 2021 04:53 ET (08:53 GMT)

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i97411 : Broadcasting | imed : Media/Entertainment
NS	neqac : Equities Asset Class News | nfiac : Fixed Income Asset Class News | c333 : Non-Government Contracts/Orders | c33 : Contracts/Orders | ccat : Corporate/Industrial News | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	china : China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Dow Jones & Company, Inc.
AN	Document DJDN000020210910eh9a000ue

HD	**China Mobile Hong Kong Triumphs Hong Kong's Fastest 5G Network Award by Ookla®**
BY	Media Outreach
WC	668 words
PD	28 August 2021
SN	The Arabian Post
SC	ARAPO
LA	English
CY	© The Arabian Post

LP

HONG KONG SAR – Media OutReach – 27 August 2021 – Hong Kong's leading 5G network provider China Mobile Hong Kong (CMHK) has been recognised as Hong Kong's Fastest 5G Network Award – First Half of 2021* by Ookla® the company behind Speedtest®. This triumph follows its recognition by Ookla as the Fastest 5G Network in the Fourth Quarter of 2020 in Hong Kong**, and reaffirms CMHK's commitment to leading Hong Kong into the new era of 5G.

According to the Hong Kong 5G network performance report awarded by Ookla, as of Q1 – Q2 2021, the median upload, download data speed of CMHK's 5G network achieved market-leading results**.

TD

```
CMHK 5G network median speed Average market 5G network median speed
Percentage***
Upload (Mbps) 32.61 25.23 29% higher

Download (Mbps) 212.76 153.82 38% higher
```

CMHK's latency is lower at 11ms versus average market 5G latency at 13ms.

Full report can be accessed https://www.speedtest.net/awards/hong_kong/

Ookla®, the company behind Speedtest®, is a global leader in data analysis for fixed and mobile network test applications. Over 10 million daily tests are actively initiated by users across all Speedtest® platforms, with nearly 37 billion tests completed to date. As a result, Ookla® boasts the most comprehensive analytics on internet performance and accessibility worldwide. Ookla® is available in over 30 languages for thousands of businesses, governments, universities and trade organizations, and is used by a significant number of internet service providers and mobile carriers around the world.

Mr Sean Lee, Director & Chief Executive Officer of China Mobile Hong Kong Company Limited, said: "After achieving a milestone of 5 million customers in June, we are proud to announce that CMHK's 5G network speed has once again been recognized by Speedtest®. This award recognizes the resources and efforts we continue to invest in building a fast, high-quality and reliable 5G network for Hong Kong, and strengthens our commitment to being the city's preferred digital partner. Through our state-of-the-art 5G network and other cutting-edge technology, CMHK will continue to provide leading 5G services to pave the way into a new era of connectivity and smart living in Hong Kong and the Greater Bay Area."

"Speedtest Awards, presented by Ookla, are reserved for an elite delegation of network operators that have delivered exceptional internet performance and coverage within a market. It is our pleasure to present China Mobile Hong Kong with the award for Fastest 5G Network in Hong Kong. This recognition is a testament to their exceptional performance in the first half of 2021 based on Ookla's rigorous analysis of consumer-initiated tests taken with Speedtest." Attributed to Doug Suttles, CEO of Ookla.

*Based on analysis by Ookla® of Speedtest Intelligence® data Q1–Q2 2021. Ookla trademarks used under license and reprinted with permission.

** Based on analysis by Ookla® of Speedtest Intelligence® data on 5G median download and upload speeds in Hong Kong for Q4 2020.Ookla trademarks used under license and reprinted with permission.

***Based on analysis by CMHK of Speedtest Intelligence® data Q1-Q2 2021. Ookla® trademarks used under license and reprinted with permission.

About China Mobile Hong Kong Company Limited

China Mobile Hong Kong Company Limited ("CMHK") is the wholly owned subsidiary of China Mobile Limited (HKEx: 941) (NYSE: CHL), which ranks 56th on the Fortune Global 500. CMHK was incepted in January 1997 and was the first mobile network operator to launch PCS services in Hong Kong.

The Company offers innovative and comprehensive communications services, including voice, data, IDD and international roaming through 5G, 4G LTE and 3GHSPA and other technologies. The Company is committed to the development of 5G with new technologies such as artificial intelligence, internet of things, cloud computing and big data, integrating 5G applications in different industries, and promoting the construction and development of smart city groups in the Greater Bay Area.

#ChinaMobileHongKong #CMHK

CO	cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited
IN	idct : Digital Cellular Technology | i7902202 : Mobile Telecommunications | i3302 : Computers/Consumer Electronics | i3303 : Networking | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | itech : Technology | iwrlssl : Wireless Area Network Technology
NS	ccat : Corporate/Industrial News | ccawrd : Corporate Awards | cexpro : Products/Services | gmetha : Methamphetamine Use/Abuse | gabus : Drug/Substance Use/Abuse | gcat : Political/General News | gcom : Society/Community | gsoc : Social Issues
RE	china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
IPD	Asian News by Media-Outreach, syndication, Syndication Business
PUB	The Arabian Post
AN	Document ARAPO00020210828eh8s00002

HD	**China Mobile Hong Kong Triumphs Hong Kong's Fastest <mark>5G Network</mark> Award by Ookla®**
WC	672 words
PD	27 August 2021
SN	Media OutReach Newswire
SC	MORNEN
LA	English
CY	Copyright 2021. Media OutReach Limited. All rights reserved.
LP	

HONG KONG SAR - Media OutReach - 27 August 2021 - Hong Kong's leading <mark>5G network</mark> provider China Mobile Hong Kong (CMHK) has been recognised as Hong Kong's Fastest <mark>5G Network</mark> Award - First Half of 2021* by Ookla® the company behind Speedtest®. This triumph follows its recognition by Ookla as the Fastest <mark>5G Network</mark> in the Fourth Quarter of 2020 in Hong Kong**, and reaffirms CMHK's commitment to leading Hong Kong into the new era of 5G.

Click Here to View Image

TD

According to the Hong Kong 5G network performance report awarded by Ookla, as of Q1 - Q2 2021, the median upload, download data speed of CMHK's 5G network achieved market-leading results**.

```
             CMHK 5G network median speed Average market 5G network median
 speed Percentage***
Upload ( Mbps)   32.61                      25.23
      29% higher
Download ( Mbps) 212.76                     153.82
      38% higher
```

CMHK's latency is lower at 11ms versus average market 5G latency at 13ms.

Full report can be accessed https://www.speedtest.net/awards/hong_kong/

Ookla®, the company behind Speedtest®, is a global leader in data analysis for fixed and mobile network test applications. Over 10 million daily tests are actively initiated by users across all Speedtest® platforms, with nearly 37 billion tests completed to date. As a result, Ookla® boasts the most comprehensive analytics on internet performance and accessibility worldwide. Ookla® is available in over 30 languages for thousands of businesses, governments, universities and trade organizations, and is used by a significant number of internet service providers and mobile carriers around the world.

Mr Sean Lee, Director & Chief Executive Officer of China Mobile Hong Kong Company Limited, said: "After achieving a milestone of 5 million customers in June, we are proud to announce that CMHK's 5G network speed has once again been recognized by Speedtest®. This award recognizes the resources and efforts we continue to invest in building a fast, high-quality and reliable 5G network for Hong Kong, and strengthens our commitment to being the city's preferred digital partner. Through our state-of-the-art 5G network and other cutting-edge technology, CMHK will continue to provide leading 5G services to pave the way into a new era of connectivity and smart living in Hong Kong and the Greater Bay Area."

"Speedtest Awards, presented by Ookla, are reserved for an elite delegation of network operators that have delivered exceptional internet performance and coverage within a market. It is our pleasure to present China Mobile Hong Kong with the award for Fastest 5G Network in Hong Kong. This recognition is a testament to their exceptional performance in the first half of 2021 based on Ookla's rigorous analysis of consumer-initiated tests taken with Speedtest." Attributed to Doug Suttles, CEO of Ookla.

*Based on analysis by Ookla® of Speedtest Intelligence® data Q1–Q2 2021. Ookla trademarks used under license and reprinted with permission.

** Based on analysis by Ookla® of Speedtest Intelligence® data on 5G median download and upload speeds in Hong Kong for Q4 2020.Ookla trademarks used under license and reprinted with permission.

***Based on analysis by CMHK of Speedtest Intelligence® data Q1-Q2 2021. Ookla® trademarks used under license and reprinted with permission.

About China Mobile Hong Kong Company Limited

China Mobile Hong Kong

Company Limited ("CMHK") is the wholly owned subsidiary of China Mobile Limited (HKEx: 941) (NYSE:

CHL), which ranks 56th on the Fortune Global 500. CMHK was incepted

in January 1997 and was the first mobile network operator to launch PCS

services in Hong Kong.

The Company offers

innovative and comprehensive communications services, including voice, data,

IDD and international roaming through 5G, 4G LTE and 3GHSPA and other

technologies. The Company is committed to the development of 5G with new

technologies such as artificial intelligence, internet of things, cloud

computing and big data, integrating 5G applications in different industries,

and promoting the construction and development of smart city groups in the

Greater Bay Area.

#ChinaMobileHongKong #CMHK

[Contacts](#)

CO	cmbile : China Mobile Communications Corp | cthkng : China Mobile Limited
IN	idct : Digital Cellular Technology | i7902202 : Mobile Telecommunications | i3302 : Computers/Consumer Electronics | i3303 : Networking | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | itech : Technology | iwrlssl : Wireless Area Network Technology
NS	ccat : Corporate/Industrial News | ccawrd : Corporate Awards | npress : Press Releases | ncat : Content Types
RE	china : China | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Media OutReach Limited
AN	Document MORNEN0020210827eh8r000m9

SE	Company
HD	**China Telecom surges 35 percent in Shanghai debut**
BY	Zhu Shenshen
WC	250 words
PD	20 August 2021
ET	07:52
SN	Shanghai Daily Online
SC	SHNDOL
LA	English
CY	Copyright Shanghai Daily

LP

China Telecom surged almost 35 percent on Friday in its debut on the Shanghai stock market, bringing its market value close to 558 billion yuan (US$87.1 billion). The carrier, one of Chinas three biggest, raised 54.1 billion yuan in its initial public offering, the biggest IPO in a decade in the domestic capital market. The listing occurred several months after the company was delisted in the United States.China Telecom closed at 6.11 yuan, 34.9 percent above opening price. Also on Friday, China Telecom signed a strategic cooperation agreement with the Shanghai government covering areas such as 5G and smart city. China Telecom, China Mobile and China Unicom will all be listed on the Chinese market this year after being delisted from United States markets. They are all currently listed in Hong Kong.Through the IPO, China Telecom plans to finance a 5G industrial Internet project, expand its cloud business and make other innovations, the company said.

TD

China Mobile has also applied to list on the Chinese mainland. In May, the three carriers were asked by US authorities to delist from the American market. China Telecoms domestic pivot is designed to neutralize the impact of that delisting.Many of Chinas biggest tech and telecom firms listed their shares on US stock markets in the early 2000s as they sought access to more funding, but since then the political tide has turned.

Click Here to View Image

CO	lianto : China Unicom (Hong Kong) Ltd | chntl : China Telecom Corporation Limited | cthkng : China Mobile Limited | chntlc : China Telecommunications Corporation | chunte : China United Network Communications Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i7902202 : Mobile Telecommunications | i79022 : Wireless Telecommunications Services | i79021 : Wired Telecommunications Services
NS	c1711 : Initial Public Offerings | ccat : Corporate/Industrial News | cdelis : Stock Delistings | c02 : Corporate Changes | c14 : Stock Listings | c17 : Corporate Funding | c171 : Share Capital | cactio : Corporate Actions | ncat : Content Types | nfact : Factiva Filters | nfcpin : C&E Industry News Filter
RE	china : China | shahai : Shanghai | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia
PUB	Shanghai Daily
AN	Document SHNDOL0020210821eh8k0000m

NewsRx™

HD	**Telecom Review; Telecom Review finds that 700 MHz 5G network construction drives investment and brings benefits to telecom vendors in China**
WC	383 words
PD	20 August 2021
SN	Investment Weekly News
SC	INVWK
PG	63
LA	English
CY	© Copyright 2021 Investment Weekly News via VerticalNews.com
LP	

2021 AUG 28 (VerticalNews) -- By a News Reporter-Staff News Editor at Investment Weekly News -- Telecom Review finds that Chinese telecom carriers are making significant progress in constructing low-band 5G networks, and much of the attention is drawn to the 700MHz frequency which is part of the wider ultra-high frequency (UHF) band.

At the beginning of 2021, China Mobile and China Broadcasting Network (CBN) had announced a 5G strategic cooperation agreement to construct and share a 700 MHz 5G network. As a combined effort, they have purchased 480,400 700 MHz 5G base stations this year. According to Guang Yang at Strategy Analytics, this increase of base stations in 700 MHz will be a significant boost to the 5G infrastructure market and also a catalyst for the 5G development in China, since most of the 5G base stations in China so far are deployed in the 2.6 GHz or 3.5 GHz band.

TD

China Telecom and China Unicom have also jointly launched the centralized procurement of 242,000 5G base stations and have recently released the announcement on public bidding involving the 2.1 GHz wireless primary device needed in the 5G SA construction project in 2021.

Telecom Review reports the increased 5G activities in 700 MHz band will drive 5G investment in China and benefit domestic equipment vendors like Huawei. In China Mobile and CBN bidding, Huawei, as the major infrastructure vendor in China's 5G market, has won around 60% of the total share. It is expected that Huawei will continue to be the biggest winner in the Chinese market in 2021 and the main vendor beneficiary of 5G CAPEX spending in China.

With the strength of wider coverage and low propagation loss, Telecom Review expects the low band 5G frequencies will enable a better 5G network experience and help companies like Huawei to demonstrate the true value of 5G, which will keep boosting the confidence of clients in its business continuity under the current circumstances.

Keywords for this news article include: Asia, China, Telecom Review, Investment and Finance.

Our reports deliver fact-based news of research and discoveries from around the world. Copyright 2021, NewsRx LLC

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	idct : Digital Cellular Technology | i7902 : Telecommunication Services | i3302 : Computers/Consumer Electronics | i3303 : Networking | itech : Technology | iwrlssl : Wireless Area Network Technology | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
NS	cpartn : Partnerships/Collaborations | ccat : Corporate/Industrial News
RE	china : China | easiaz : Eastern Asia | chinaz : Greater China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
IPD	Expanded Reporting
PUB	NewsRX, LLC
AN	Document INVWK00020210820eh8k000tg

HD	**Seychelles, Comoros and Angola added to Facebook cable project**
BY	Carlos Mureithi
WC	389 words
PD	17 August 2021
SN	Quartz
SC	QUARTZ
LA	English
CY	Copyright 2021. Quartz Media, Inc. All Rights Reserved.

LP

Facebook and a group of its telecommunications partners have announced the expansion of their undersea cable project for Africa to three countries. That brings to 26 the number of countries on or near Africa's coastline which will be touchpoints for the high-speed internet project.

The consortium has added the Seychelles, the Comoros, and Angola as branches to the cable project, named 2Africa. It has also announced a new cable landing point—where an underwater cable makes landfall—in Nigeria, bringing the total number of such connections to 35.

TD

Launched last year, the 2Africa project aims to enhance internet capacity and connectivity in the region. When it goes live in late 2023, the 22,000-mile cable will connect Africa, Europe, and the Middle East by allowing their internet service providers to join 2Africa at data centers or cable landing stations. With a capacity of up to 180 terabytes per second in some parts, the 2Africa project promises to deliver more than the total combined capacity of all subsea cables serving Africa at the moment.

The consortium includes China Mobile International, Facebook, South Africa's MTN GlobalConnect, France's Orange, stc, Telecom Egypt, the UK's Vodafone, and Mauritius' West Indian Ocean Cable Company. Alcatel Submarine Networks, part of the Finnish telecommunications company Nokia, is deploying the cable.

"Communities that rely on the internet for services from education to healthcare, and business, will experience the economic and social benefits that come from this increased connectivity," the group said in its announcement.

African countries that are part of the 2Africa cable project

The 2Africa project is part of a larger effort by global corporate giants, and homegrown ones such as Seacom and Liquid Telecom to meet the rapidly increasing demand for faster and more reliable data in Africa. Google, for example, is working on an underwater cable connecting South Africa with Portugal that's expected to be completed this year.

A huge consumer market awaits, one frustrated by slow and unreliable internet speeds which are being stretched to the limit by a growing array of services including streaming, social media, gaming, HD TV broadcasting, and video conferencing. Getting Africans connected would be transformative for the continent, which is innovating faster than its internet can accommodate.

Click to view image.

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
RE	africaz : Africa | seych : Seychelles | angol : Angola | comor : Comoros | nigea : Nigeria | dvpcoz : Developing Economies | eafrz : East Africa | souafrz : Southern Africa | wafrz : West Africa
IPD	Quartz Africa – Quartz
PUB	Quartz Media Inc.
AN	Document QUARTZ0020211027eh8h0002m

SE	Business
HD	**Facebook to expand undersea cable network in Africa**
BY	Loni Prinsloo Bloomberg
WC	359 words
PD	17 August 2021
SN	The Toronto Star
SC	TOR
ED	ONT
PG	B3
LA	English
CY	Copyright (c) 2021 The Toronto Star

LP

Facebook Inc. and some of the world's largest telecommunications carriers, China Mobile Ltd. and MTN Group Ltd., are set to build a wider-than-planned giant subsea cable in Africa.

The companies plan to add the Indian Ocean island countries of Seychelles and Comoros, as well as Angola and a new connection to Nigeria, according to a statement on Monday. This is in addition to a recently announced link to the Canary Islands and would bring connection-landings to 35 in 26 countries.

TD

"The significant investment by Facebook in 2Africa builds on several other investments we have made in the continent, including infrastructure investments in South Africa, Uganda, Nigeria and the Democratic Republic of Congo," a Facebook spokesperson said in an email.

The undersea cable sector is experiencing a resurgence, with Facebook and Alphabet Inc.'s Google behind about 80 per cent of recent investments in transatlantic links. The tech giants are seeking to tap growing demand for fast-data transfers used for everything from streaming movies to social messaging and telemedicine. During the 1990s dot-com boom, phone companies spent more than $20 billion (U.S.) laying fiberoptic lines under the oceans.

The project is part of Facebook's long-held plans to lead the race to provide more reliable and faster internet in Africa, a continent of more than 1.2 billion people with an increasing up take of smartphones. The U.S. social-media giant first announced plans for a new undersea cable in May 2020. That followed attempts to launch a satellite in 2016 to beam signal around the continent - but the SpaceX rocket carrying the technology blew up.

2Africa, set to be one of the largest subsea cable project in the world, will cost just under $1 billion, Bloomberg reported last May, citing people familiar with the matter. Manufacturing of the first segments of the infrastructure has started in the U.S., according to the statement. Nokia Oyj' Alcatel Submarine Networks was picked to build the cable.

The 37,000-kilometre long cable will connect Africa, Europe and the Middle East.

Bloomberg

CO	cthkng : China Mobile Limited | goog : Alphabet Inc. | mcelsa : MTN Group Limited | onlnfr : Facebook, Inc. | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | isocial : Social Media Platforms/Tools | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | iint : Online Service Providers | imed : Media/Entertainment | itech : Technology | i8395464 : Internet Search Engines
NS	ccat : Corporate/Industrial News
RE	africaz : Africa | nigea : Nigeria | dvpcoz : Developing Economies | wafrz : West Africa

IPD	Business
PUB	Toronto Star Newspapers Limited
AN	Document TOR0000020210817eh8h000h6

SE	Business
HD	**Facebook to expand undersea cable network in Africa**
BY	Loni Prinsloo Bloomberg
WC	358 words
PD	17 August 2021
SN	Waterloo Region Record
SC	TKWR
ED	First
PG	A9
LA	English
CY	Copyright (c) 2021 Kitchener-Waterloo Record.

LP

Facebook Inc. and some of the world's largest telecommunications carriers, China Mobile Ltd. and MTN Group Ltd., are set to build a wider-than-planned giant subsea cable in Africa.

The companies plan to add the Indian Ocean island countries of Seychelles and Comoros, as well as Angola and a new connection to Nigeria, according to a statement on Monday. This is in addition to a recently announced link to the Canary Islands and would bring connection-landings to 35 in 26 countries.

TD

"The significant investment by Facebook in 2Africa builds on several other investments we have made in the continent, including infrastructure investments in South Africa, Uganda, Nigeria and the Democratic Republic of Congo," a Facebook spokesperson said in an email.

The undersea cable sector is experiencing a resurgence, with Facebook and Alphabet Inc.'s Google behind about 80 per cent of recent investments in transatlantic links. The tech giants are seeking to tap growing demand for fast-data transfers used for everything from streaming movies to social messaging and telemedicine. In the 1990s dot-com boom, companies spent more than $20 billion (U.S.) laying fiberoptic lines under the oceans.

The project is part of Facebook's long-held plans to lead the race to provide more reliable and faster internet in Africa, a continent of more than 1.2 billion people with an increasing up take of smartphones. The U.S. social-media giant first announced plans for a new undersea cable in May 2020. That followed attempts to launch a satellite in 2016 to beam signal around the continent - but the SpaceX rocket carrying the technology blew up.

2Africa, set to be one of the largest subsea cable project in the world, will cost just under $1 billion, Bloomberg reported last May, citing people familiar with the matter. Manufacturing of the first segments of the infrastructure has started in the U.S., according to the statement. Nokia Oyj' Alcatel Submarine Networks was picked to build the cable.

The 37,000-kilometre long cable will connect Africa, Europe and the Middle East.

Bloomberg

CO	cthkng : China Mobile Limited | goog : Alphabet Inc. | mcelsa : MTN Group Limited | onlnfr : Facebook, Inc. | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | isocial : Social Media Platforms/Tools | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | iint : Online Service Providers | imed : Media/Entertainment | itech : Technology | i8395464 : Internet Search Engines
NS	ccat : Corporate/Industrial News
RE	africaz : Africa | nigea : Nigeria | dvpcoz : Developing Economies | wafrz : West Africa

IPD   Business

PUB   Metroland Media Group Ltd.

AN   Document TKWR000020210817eh8h0003c

HD	**Facebook To Extend Africa's Undersea <mark>Cable</mark> Network: Bloomberg**
BY	Anusuya Lahiri
WC	183 words
PD	16 August 2021
ET	18:33
SN	Benzinga.com
SC	BNZNGA
LA	English
CY	Copyright 2021. Benzinga.com

LP

* Facebook Inc(NASDAQ: FB) and some of the world's largest telecommunications carriers,China Mobile Ltd(OTC: CHLKF) and MTN Group Ltd, will likely build a wider-than-earlier planned giant sub-sea **cable** in Africa,Bloomberg reports.

* Other project partners includeTelecom Egypt SAE(TEGPY),Vodafone Group PLC(NASDAQ: VOD), andOrange SA(OTC: FNCTF).

TD

* They plan to add the Indian Ocean island countries of Seychelles and Comoros, Angola, and a new connection to Nigeria.

* The expansion is in addition to a recently announced link to the Canary Islands, bringing connection-landings to 35 in 26 countries. The 2Africa investment will see a 37,000-kilometer cable connecting Africa, Europe, and the Middle East, operational by 2024.

* The tech giants like Facebook andAlphabet Inc's(NASDAQ: GOOG) (NASDAQ: GOOGL) Googleaim to tapgrowing demand for fast-data transfers from streaming movies to social messaging and telemedicine.

* Price Action:FB shares traded higher by 0.12% at $362.74 on the last check Monday.

CO	cthkng : China Mobile Limited | mcelsa : MTN Group Limited | onlnfr : Facebook, Inc. | ratel : Vodafone Group Plc | cmbile : China Mobile Communications Corp
IN	i7902202 : Mobile Telecommunications | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | iint : Online Service Providers | imed : Media/Entertainment | isocial : Social Media Platforms/Tools | itech : Technology
NS	ccat : Corporate/Industrial News
RE	africaz : Africa
IPD	News
PUB	Benzinga.com
AN	Document BNZNGA0020210816eh8g0010a

HD	**Facebook, telcos to extend subsea <mark>cable</mark> to four countries**
WC	330 words
PD	16 August 2021
ET	11:38
SN	Reuters News
SC	LBA
LA	English
CY	Copyright 2021 Thomson Reuters. All Rights Reserved.

LP

JOHANNESBURG, Aug 16 (Reuters) - Facebook and a team of African and global telecoms companies will add four more countries to its world's largest subsea <mark>cable</mark> project, widening the build project in Africa earlier than planned, they said in a joint statement on Monday.

Internet <mark>connectivity</mark> will be expanded to the Seychelles, the Comoros Islands, Angola and bring a new landing point to south-east Nigeria. This is in addition to the recently announced extension to the Canary Islands, the companies said.

TD

The consortium of the project, called 2Africa, comprises South Africa's MTN GlobalConnect, Facebook, Mauritius-based infrastructure provider WIOCC, China Mobile International, France's Orange SA, Saudi Arabia's stc, Telecom Egypt and Vodafone.

Alcatel Submarine Networks (ASN) has been selected to deploy the new "branches", which will increase the number of 2Africa landings to 35 in 26 countries, further improving connectivity into and around Africa, they added.

"Most of the subsea route survey activity is now complete. ASN has started manufacturing the cable and building repeater units in its factories in Calais and Greenwich to deploy the first segments in 2022," the companies said.

The consortium launched the cable, which is expected to go live in late 2023, in May 2020 to connect those countries in Africa, the Middle East and Europe.

Subsea cables form the backbone of the internet, carrying 99% of the world's data traffic.

Africa's big economies have a large and fast growing population of internet users, with growth in internet use fuelled by rapidly expanding mobile broadband networks and more affordable phones.

However, with a population of just above 1.3 billion, Africa is still a laggard in internet connectivity, with average mobile internet users at around 26% against a world average of 51%.

The companies said 2Africa will be the largest subsea cable project in the world. (Reporting by Nqobile Dludla; editing by David Evans)

RF	Released: 2021-8-16T11:38:32.000Z
CO	alcasn : Alcatel-Lucent Submarine Networks	arege : Telecom Egypt	dgt : Orange SA	onlnfr : Facebook, Inc.	cthkng : China Mobile Limited	cge : Alcatel-Lucent	cmbile : China Mobile Communications Corp	nokia : Nokia Oyj
IN	i7902202 : Mobile Telecommunications	i7902 : Telecommunication Services	i79022 : Wireless Telecommunications Services	i502 : Heavy Construction	i5020042 : Transmission Line Construction	i79021 : Wired Telecommunications Services	iconst : Construction	icre : Real Estate/Construction	iint : Online Service Providers	imed : Media/Entertainment	isocial : Social Media Platforms/Tools	itech : Technology
NS	ccat : Corporate/Industrial News

RE africaz : Africa | safr : South Africa | nigea : Nigeria | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | souafrz : Southern Africa | wafrz : West Africa

IPD Business

IPC SERVICE:GFN

PUB Reuters News & Media Inc.

AN Document LBA0000020210816eh8g01nex

HD	**MEDIA-Facebook to expand planned undersea <mark>cable</mark> network in Africa - Bloomberg News**
WC	38 words
PD	16 August 2021
ET	09:23
SN	Reuters News
SC	LBA
LA	English
CY	Copyright 2021 Thomson Reuters. All Rights Reserved.
LP	
	-- Source link: https://bloom.bg/37IsNm9
	-- Note: Reuters has not verified this story and does not vouch for its accuracy
RF	Released: 2021-8-16T09:23:22.000Z
CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
IPD	Business
IPC	SERVICE:Z
PUB	Reuters News & Media Inc.
AN	Document LBA0000020210816eh8g017zd

HD   **Facebook, Amazon seek U.S. approval to operate undersea data <mark>cable</mark>**

WC   136 words

PD   13 August 2021

ET   17:50

SN   Reuters News

SC   LBA

LA   English

CY   Copyright 2021 Thomson Reuters. All Rights Reserved.

LP

WASHINGTON, Aug 13 (Reuters) - Facebook Inc and Amazon.com Inc have asked the U.S. government for approval to operate a new undersea data <mark>cable</mark> between the Philippines and California after China Mobile agreed to exit the plan, a government agency said Friday.

The companies told the Federal Communications Commission they intend to start commercial operation by late 2022 and said the new data connection will "provide significant new capacity on routes where capacity demand continues to increase substantially each year." The company said the new <mark>cable</mark> will help support Facebook applications and provide Amazon and its affiliates with "capacity to support Amazon's <mark>cloud</mark> services offerings and connect its data centers." (Reporting by David Shepardson Editing by Chizu Nomiyama)

RF   Released: 2021-8-13T17:50:20.000Z

CO   amzcom : Amazon.com, Inc. | fedcc : Federal Communications Commission | onlnfr : Facebook, Inc. | cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp

IN   i64 : Retail/Wholesale | i656000301 : Etailing | i7902 : Telecommunication Services | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications | iecom : E-commerce | iint : Online Service Providers | imed : Media/Entertainment | iretail : Retail | isocial : Social Media Platforms/Tools | itech : Technology

NS   cexpro : Products/Services | ccat : Corporate/Industrial News

RE   usa : United States | hkong : Hong Kong | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | china : China | chinaz : Greater China | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies | easiaz : Eastern Asia | namz : North America

IPD   Business

IPC   SERVICE:Z

PUB   Reuters News & Media Inc.

AN   Document LBA0000020210813eh8d033hx

HD	**Telecom Review finds that 700 MHz <mark>5G network</mark> construction drives <mark>investment</mark> and brings benefits to telecom vendors in China**
WC	335 words
PD	12 August 2021
SN	Mmegi
SC	MEWMMR
LA	English
CY	© 2021 - Dikgang Publishing Company

LP

Telecom Review finds that Chinese telecom carriers are making significant progress in constructing low-band 5G networks, and much of the attention is drawn to the 700MHz frequency which is part of the wider ultra-high frequency (UHF) band.

At the beginning of 2021, China Mobile and China Broadcasting Network (CBN) had announced a 5G strategic cooperation agreement to construct and share a 700 MHz <mark>5G network</mark>. As a combined effort, they have purchased 480,400 700 MHz 5G base stations this year. According to Guang Yang at Strategy Analytics, this increase of base stations in 700 MHz will be a significant boost to the 5G infrastructure market and also a catalyst for the 5G development in China, since most of the 5G base stations in China so far are deployed in the 2.6 GHz or 3.5 GHz band.

TD

China Telecom and China Unicom have also jointly launched the centralized procurement of 242,000 5G base stations and have recently released the announcement on public bidding involving the 2.1 GHz wireless primary device needed in the 5G SA construction project in 2021.

Telecom Review reports the increased 5G activities in 700 MHz band will drive 5G investment in China and benefit domestic equipment vendors like Huawei. In China Mobile and CBN bidding, Huawei, as the major infrastructure vendor in China's 5G market, has won around 60% of the total share. It is expected that Huawei will continue to be the biggest winner in the Chinese market in 2021 and the main vendor beneficiary of 5G CAPEX spending in China.

With the strength of wider coverage and low propagation loss, Telecom Review expects the low band 5G frequencies will enable a better 5G network experience and help companies like Huawei to demonstrate the true value of 5G, which will keep boosting the confidence of clients in its business continuity under the current circumstances.

CO	cthkng : China Mobile Limited | cmbile : China Mobile Communications Corp
IN	idct : Digital Cellular Technology | i7902 : Telecommunication Services | i3302 : Computers/Consumer Electronics | i3303 : Networking | itech : Technology | iwrlssl : Wireless Area Network Technology | i79022 : Wireless Telecommunications Services | i7902202 : Mobile Telecommunications
RE	china : China | easiaz : Eastern Asia | chinaz : Greater China | apacz : Asia Pacific | asiaz : Asia | bric : BRICS Countries | devgcoz : Emerging Market Countries | dvpcoz : Developing Economies
IPD	Telecommunication
PUB	Dikgang Publishing Company (DPC)
AN	Document MEWMMR0020210812eh8c0002t

Search Summary

Text	virtual real estate or virtual properties or digital real esate or digital real assets or digital properties or metaverse properties or digital plots or virtual lounge or virtual plots or virtual land or VR platform or manufacturing simulation or virtual simulation or digital twins or virtual manufacturing or immersive learning or mixed-reality learning or metaverse learning or VR learning or AR learning or VR training or virtual recruitment or 3d training or training metaverse or virtual retail or virtual shopping or virtual clienteling or omnichannel shopping or humanising digital retail or immersive virtual stores or 3d virtual store or metaverse shopping or virtual clothing or virtual goods or

	gaming or digital avatar or digital character or virtual game or 3D avatars or interoperable VR space or digital financial ecosystems or metaverse wallets or robo advisory or virtual financial data or digital bank branches or digital touchpoint or blockchain wallets or digital wallets or digital wedding or virtual wedding or virtual event or virtual concert or virtual theme park or virtual classroom or virtual learning or virtual school or immersive learning or metaverse or digitally outfits or VR or virtual real estate or NFT or Twin world or VR network or anime metaverse or immersive metaverse or CRM or gamification or crypto or AR or digital twin or cryptocurrency or immersive VR or virtual shoe or virtual restaurants or Devices or Metaverse platform or Metaverse ready network or Hardware or OEM or Platform or fibre or CDN or Ethics or Sustainability or Digital inclsuion or Ecosystem or Investment or Venturing or Funding or Startups or Venture fund or Tech startup or Cloud or Data analytics or Machine learning or Big data or AI or AR or VR or XR or MR or OTT or Connectivity or Content or 5G Labs or 5G network or 5G investments or 5G applications or 5G expansion or 5G launch or Cybersecurity or Privacy or Trust or Network security or Cyber or Cyber threat or payment or digital payment or virtual paymment or cable
Date	In the last year
Source	All Sources
Author	All Authors
Company	China Mobile Limited
Subject	All Subjects
Industry	All Industries
Region	All Regions
Language	English
Results Found	185
Timestamp	18 April 2022 11:32