

For Immediate Release Media Release

First outdoor 5G-enabled Extended Reality tourism experience to be tested at Fort Siloso, Sentosa



Singapore, 23 May 2023 – The world’s first outdoor 5G-enabled Extended Reality (XR) experience will soon be tested at Fort Siloso Sentosa, through ***The Battle of Fort Siloso: A 5G-enabled XR Experience*** Proof-of-Concept (POC), jointly developed by the Singapore Tourism Board (STB), Sentosa Development Corporation (SDC) and Government Technology Agency (GovTech).

The heritage-themed experience aims to draw guests into a fictional World War Two battle at the historic fort through captivating story-telling, virtual imagery and gamification. Harnessing the combined capabilities of XR technology and 5G on Sentosa, guests can experience immersive audio and visuals amidst simulated war-time commands, as well as participate in the defence of the fort through gaming. This trial experience will be open for registration for members of the Sentosa Islander programme from 2 to 24 June 2023. Subsequently, feedback from the trial will allow SDC to identify areas for further enhancement and deployment, subject to technology maturity and commercial interest. More details on registration can be found in the Annex.

The Battle of Fort Siloso: A 5G-enabled XR Experience POC is part of the 5G@Sentosa testbed – a public-private sector collaboration led by the GovTech, SDC, and Singtel. The testbed, which runs until mid-August, aims to catalyse the public sector’s adoption of 5G connectivity ahead of the nationwide 5G

rollout in 2025 by enabling agencies to trial cases to improve operational effectiveness and deliver citizen-centric services.

Among other 5G trials on the island, which leverages on the lower latency, higher speed, and broader bandwidth of 5G technology in areas such as construction, manufacturing, healthcare and tourism, a total of 30 trials from over ten agencies have been undertaken on Sentosa since the programme launched in October 2021. Of the 30 trials, a number of 5G use-cases have been commercialised under the Infocomm Media Development Authority's (IMDA) 5G Innovation Programme. These include the Asia-Pacific region's first 5G mobile edge computing for mixed reality and holomedicine capabilities in health tech with National University Health System, and 5G-enabled mixed reality for construction with Gammon.

Mr Wong Ming Fai, Chief Technology Officer, Singapore Tourism Board said, "STB is excited to partner GovTech and SDC to roll out this novel and innovative heritage experience at Fort Siloso. STB's Tcube¹ has been working closely with Singtel and their vendors over the past few months, to develop this new 5G-enabled XR experience that pushes the boundaries of technology. We hope this will encourage tourism companies to embrace innovation and create unique and memorable experiences for visitors."

Mr Michael Ma, Assistant Chief Executive, SDC, said, "Through exploring immersive technologies in partnership with STB and GovTech, we are excited to bring on digitally-innovative experiences for our guests to try out on Sentosa. Such a trial is a key step in our journey to evaluate unique opportunities to enhance tourism offerings on Sentosa as we gear up for the recovery of international arrivals, minimising extensive physical infrastructure on preserved heritage sites such as Fort Siloso."

Mr Kok Ping Soon, Chief Executive, GovTech, said: "The 5G@Sentosa testbed has helped demonstrate the potential of 5G technology to public agencies over the past two years, and SDC and STB's XR trial at Fort Siloso is a particularly exciting use case that visitors to Sentosa will be able to experience. Going forward, the takeaways from 5G@Sentosa will also help GovTech better support the technical needs of agencies looking to adopt 5G for mainland operations, in collaboration with IMDA."

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¹ The Tourism Technology Transformation Cube, or Tcube, is a hybrid innovation space that brings STB's digital initiatives, resources and thought-leadership content onto a single platform to support the tourism sector's digital transformation.

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About Singapore Tourism Board

The Singapore Tourism Board (STB) is the lead development agency for tourism, one of Singapore's key economic sectors. Together with industry partners and the community, we shape a dynamic Singapore tourism landscape. We bring the Passion Made Possible brand to life by differentiating Singapore as a vibrant destination that inspires people to share and deepen their passions.

More: www.stb.gov.sg or www.visitsingapore.com | Follow us: facebook.com/STBSingapore or linkedin.com/company/singapore-tourism-board

About Sentosa

Sentosa, where discovery never ends, is Asia's leading leisure destination and Singapore's premier island resort getaway, located within 15 minutes from the central business and shopping districts. The island resort is managed by Sentosa Development Corporation, which works with various stakeholders in overseeing property investments, attractions development, and operation of the various leisure offerings and management of the residential precinct on the island.

The 500-hectare island resort is home to an exciting array of themed attractions, award-winning spa retreats, lush rainforests, golden sandy beaches, resort accommodations, world-renowned golf courses, a deep-water yachting marina and luxurious residences – making Sentosa a vibrant island resort for business and leisure. Sentosa is also home to Singapore's first integrated resort, Resorts World Sentosa, which operates Southeast Asia's first Universal Studios theme park.

Situated on the eastern end of Sentosa Island is Sentosa Cove, an exclusive waterfront residential enclave bustling with more than 2,000 homes, quayside restaurants, retail and specialty shops. The island is also proud to be home to Sentosa Golf Club and its two acclaimed golf courses, The Serapong and The Tanjong. Sentosa Golf Club has hosted a number of high-profile professional and amateur tournaments, including

the Singapore Open and HSBC Women's World Championship, welcoming international star players and world-class golf professionals from across the world.

Welcoming a growing number of local and international guests every year, Sentosa is an integral part of Singapore's goal to be a global destination to work, live and play. For more information, please visit: www.sentosa.com.sg.

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About Government Technology Agency

The Government Technology Agency (GovTech) is the lead agency driving Singapore's Smart Nation initiative and public sector digital transformation. As the Centre of Excellence for Infocomm Technology and Smart Systems (ICT & SS), GovTech develops the Singapore Government's capabilities in Data Science & Artificial Intelligence, Application Development, Sensors & IoT, Digital Infrastructure, and Cybersecurity.

GovTech supports public agencies to manage enterprise IT operations and develop new digital products for citizens and businesses. GovTech is the public sector lead for cybersecurity, and oversees key government ICT infrastructure, as well as regulates ICT procurement, data protection and security in the public sector. GovTech is a Statutory Board under the Smart Nation and Digital Government Group (SNDGG) in the Prime Minister's Office.

For more information, please visit www.tech.gov.sg. Follow GovTech on Facebook / Twitter / Instagram/ LinkedIn @GovTechSG.

Annex: Registration Information for *The Battle of Fort Siloso: A 5G-enabled XR Experience*



The Battle for Fort Siloso is a 5G extended reality proof-of-concept (POC) experience at Fort Siloso Skywalk, jointly developed by Singapore Tourism Board and Sentosa Development Corporation, supported by GovTech's 5G@Sentosa testbed.

This POC aims to expose tourism and technology companies to Extended Reality, with the aim of enhancing visitor experiences through immersive technologies. Members of the Sentosa Islander programme are invited to participate and provide feedback on the unique experience.

- **Date/Time:** Every Friday and Saturday from 2 to 24 June 2023 between 7:00 – 9:00pm
- **Location:** Level 2, Fort Siloso Skywalk, Siloso Road, Singapore 099981