

5G Benefits

27th October 2022



Introduction to 5G

5G is the fifth generation of cellular networks - expected to have an even greater societal levelling effect than its predecessors through the use of a wider radio spectrum.,.

5G in Tanzania:
Available only on Vodacom Tanzania Network through mobile or Fixed internet option.

High internet Speed:
20 x the 4G speeds.
Appr 500Mbps.

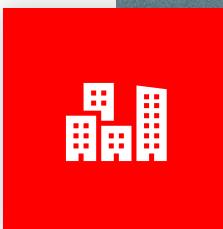
Speed.

Ultra Low Latency:
Lower than 10ms.

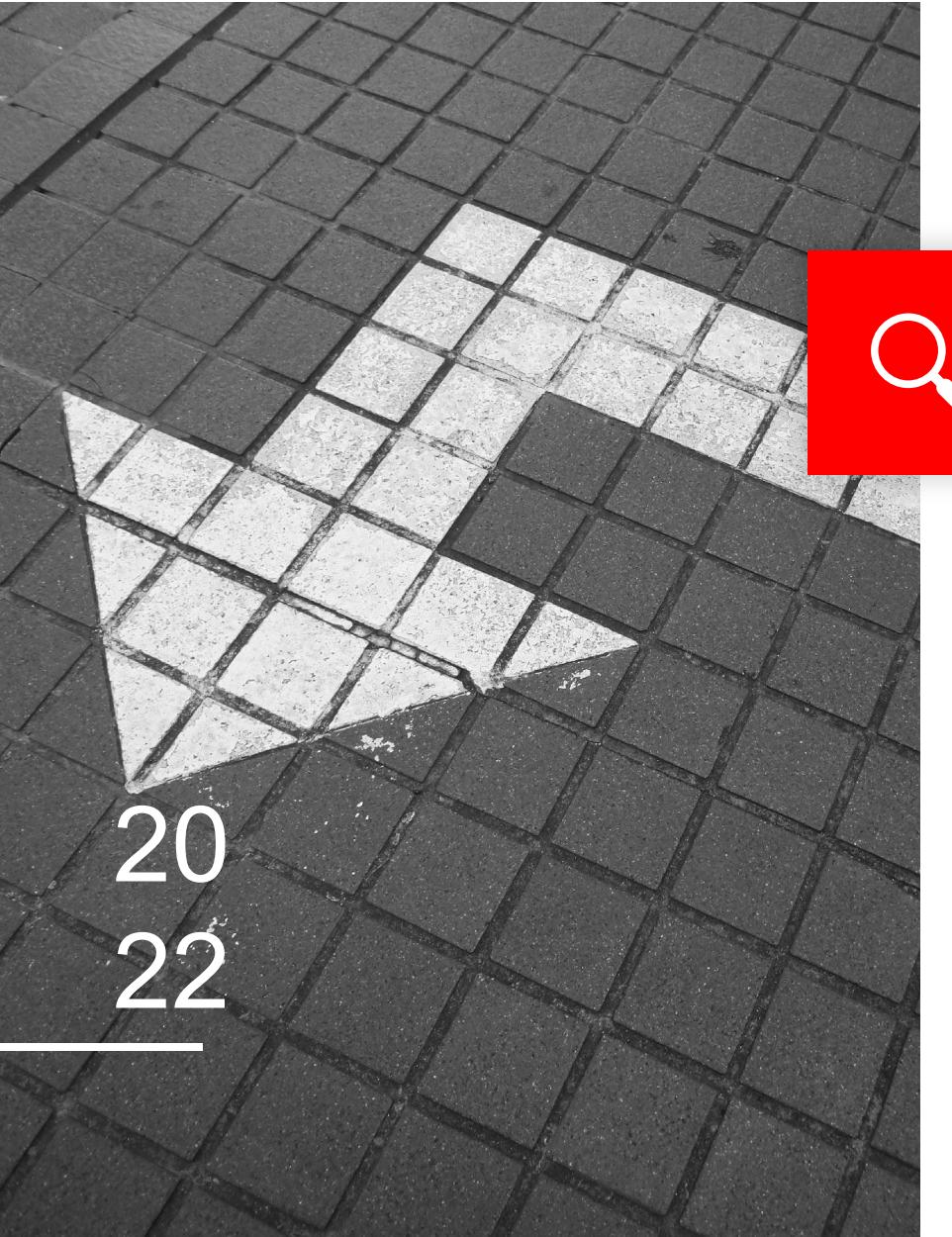
Latency

High Connection Density: **10 x** More connected users.

Density



20
22



5G

Impact

Allow for more technological innovation, such as cloud, big data, artificial intelligence and The Internet of Things (IoT), accelerating the Fourth Industrial Revolution (4IR) in Africa and facilitating digital inclusion

According to the World Economic Forum (WEF), “5G will change the world even more profoundly than 3G and 4G; that it will be as revolutionary as electricity or the automobile, benefiting entire economies and entire societies”.

01.

Home Broadband

Enhanced broadband which offers high speed internet, with extremely low latency and ability to connect multiple user guaranteeing better experience and quality.



5G

Some Economic Benefits

02.

Telemedicine

Offers a possibility to access mission critical medical services like surgeries and operations remotely whereby best practitioners can perform services remotely on real time hence no need to send patients abroad for treatments.



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Some Economic Benefits

03.

Remote Classes

Students in remote schools can access classes and lessons from best teachers anywhere in country on real time experience.



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04.

Smart Agriculture

Improve agriculture sector whereby farmers will be able to Monitor and control their farms through use of drones, Pest control, Farm security and irrigation can also be automated.



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05.

Autonomous Services

- Improve home experience by introducing Smart Homes with automations in various home activities like security visibility, Gate operation, appliances operations etc.
- Create environment ready for future uses cases like autonomous vehicles, Fire fighting drones.



5G

Some Economic Benefits

06.

Industrialization

5G will drive the 4th IR by supporting technologies such as IoT, AI, machine learning, blockchain technology, 5G, robotics, and cloud computing which have applications in many sectors such as manufacturing, energy production, transport and works, and tourism.



5G

Some Economic Benefits



Together we can