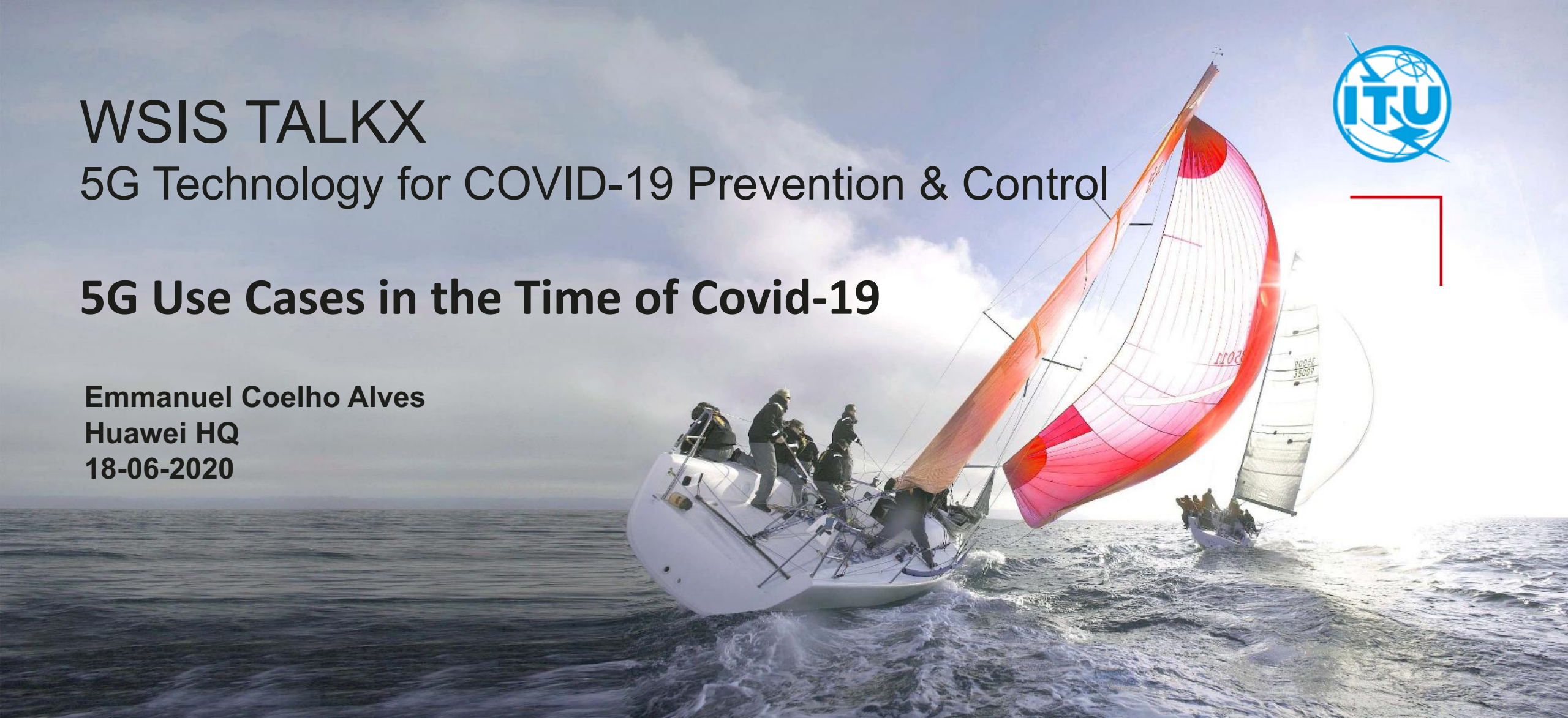


WSIS TALKX

5G Technology for COVID-19 Prevention & Control

5G Use Cases in the Time of Covid-19

Emmanuel Coelho Alves
Huawei HQ
18-06-2020



Some of Medical Care Needs to be Considered by 5G & ICT for Covid-19



To Better Support Remote Expertise among Medical Staffs



**To Optimize Social Distancing in Hospital Campus
Daily Tasks to Handle Patients & Medical Staffs' Activities**



To Speed up the Release of a Vaccine

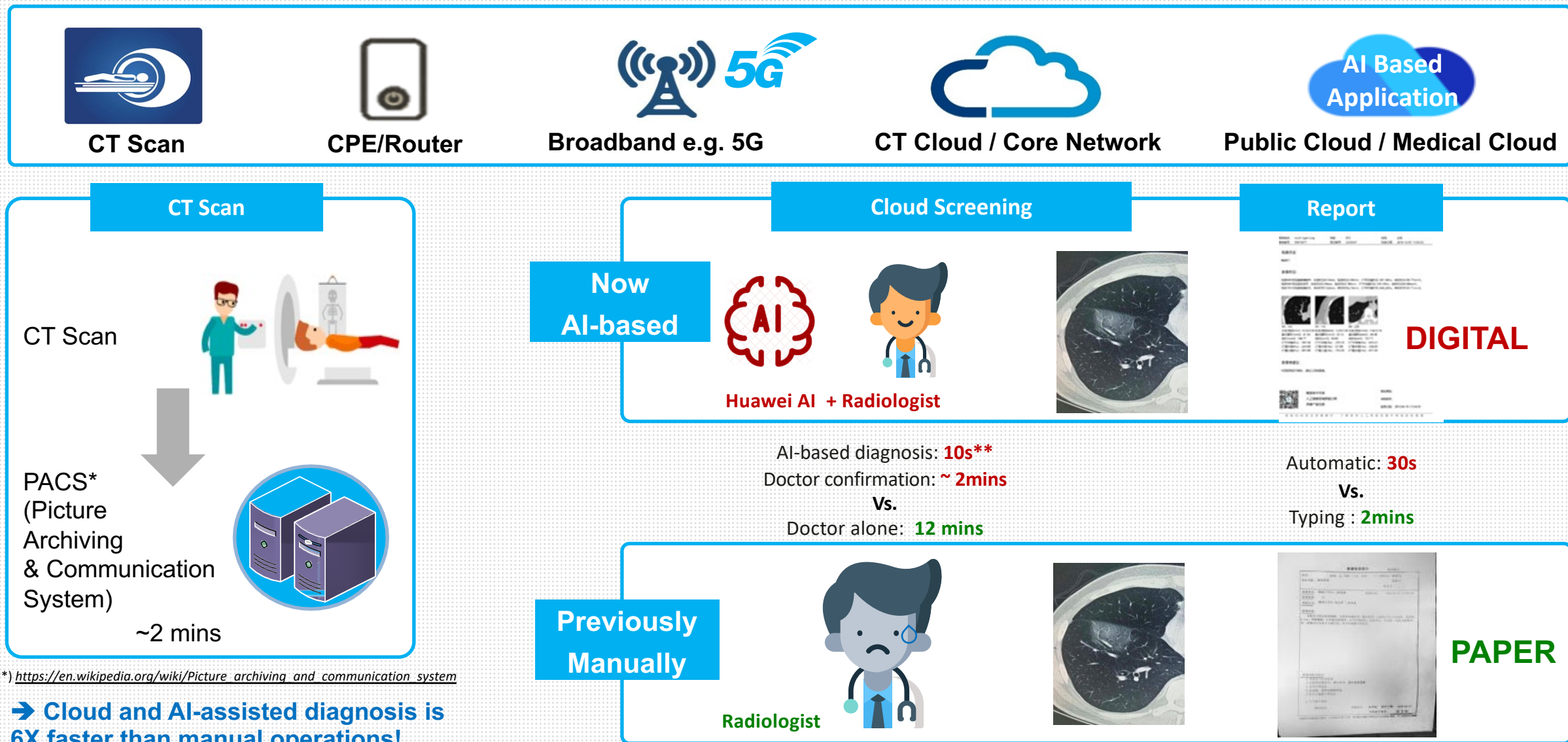


To Keep Contact with Patients under Strict Social Distancing Rules



**To Protect Citizens and Society from New Infected Cases
(e.g. Fever Detection)**

5G and AI based APPs Play an Important Role in Fighting Against Covid-19



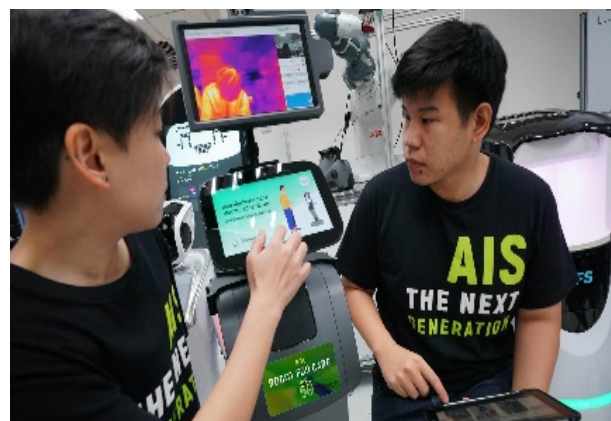
*) https://en.wikipedia.org/wiki/Picture_archiving_and_communication_system

**) Data transfer time is excluded
Page 3

Other 5G & ICT Activities Related to e-Health for Handling Covid-19 and More



“5G robots are helping cutting the risk of infection among staffs”
Dr. Sukrom, Deputy Director of Rajavithi Hospital in Bangkok
@Q2-2020



5G Robots & Social Distancing



5G Smart Ambulance

Chalermpon Chairat, Emergency Unit Chief Nopparat Rajathanee Hospital, Bangkok
@Q2-2020



UK National Health Service

Matthew Gould (UK NHSX CEO)
@Q1-2020,
“There are areas we are thinking about...”

*) non-emergency number

NHS 111 online <https://111.nhs.uk/>

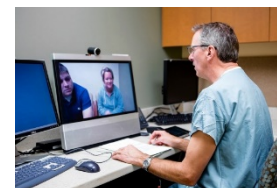
Coronavirus (COVID-19)

[Find out what to do if you think you have symptoms](#)

Get medical help near you

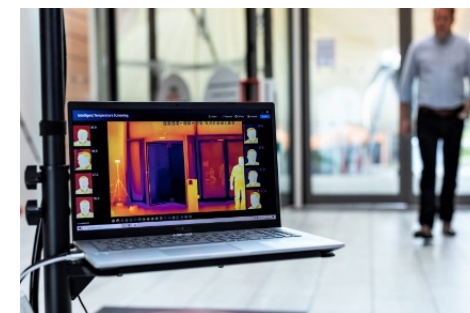
1. Answer questions about your main symptom.
2. Find out when and where to get help.
3. Be contacted by a nurse, if needed.

Get Online* or Phone



Remote Consultation “Telehealth”

University Hospitals Birmingham & BT develop 4G/5G remote diagnostic station, Q2-2020



Vodafone UK, Q2-2020 Installation of Thermal Camera

Lot of 5G Activities Targeting Medical Care Industry All around the World



Korea



Malaysia



Singapore



Thailand



Europe



Spain

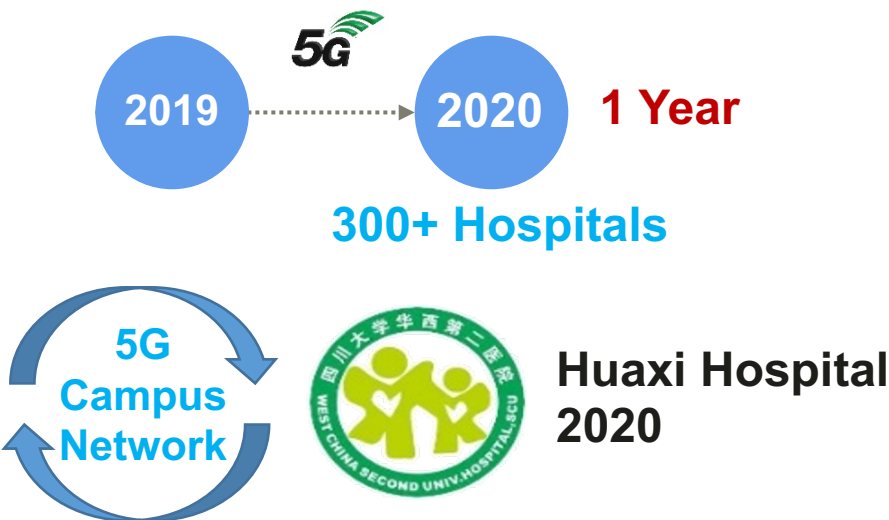


UK



GCC Countries

China Planning Strategy to Support 5G Hospital Deployment

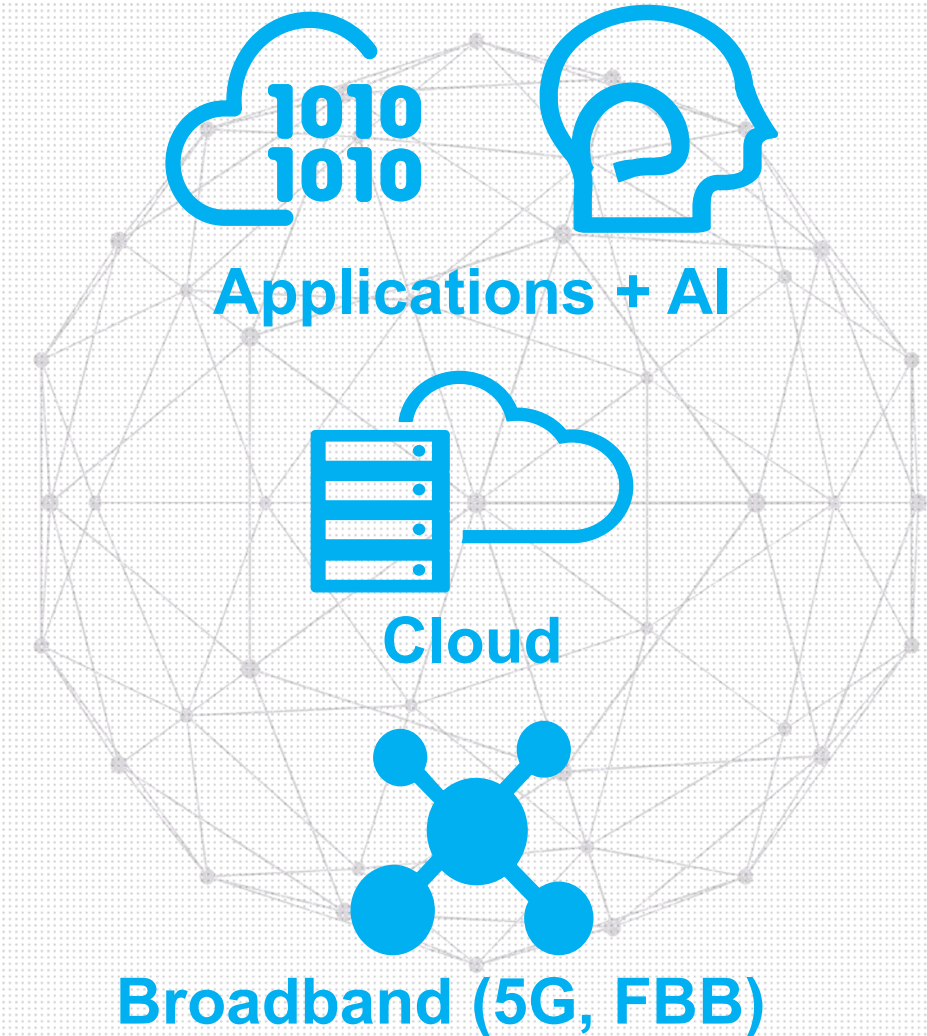
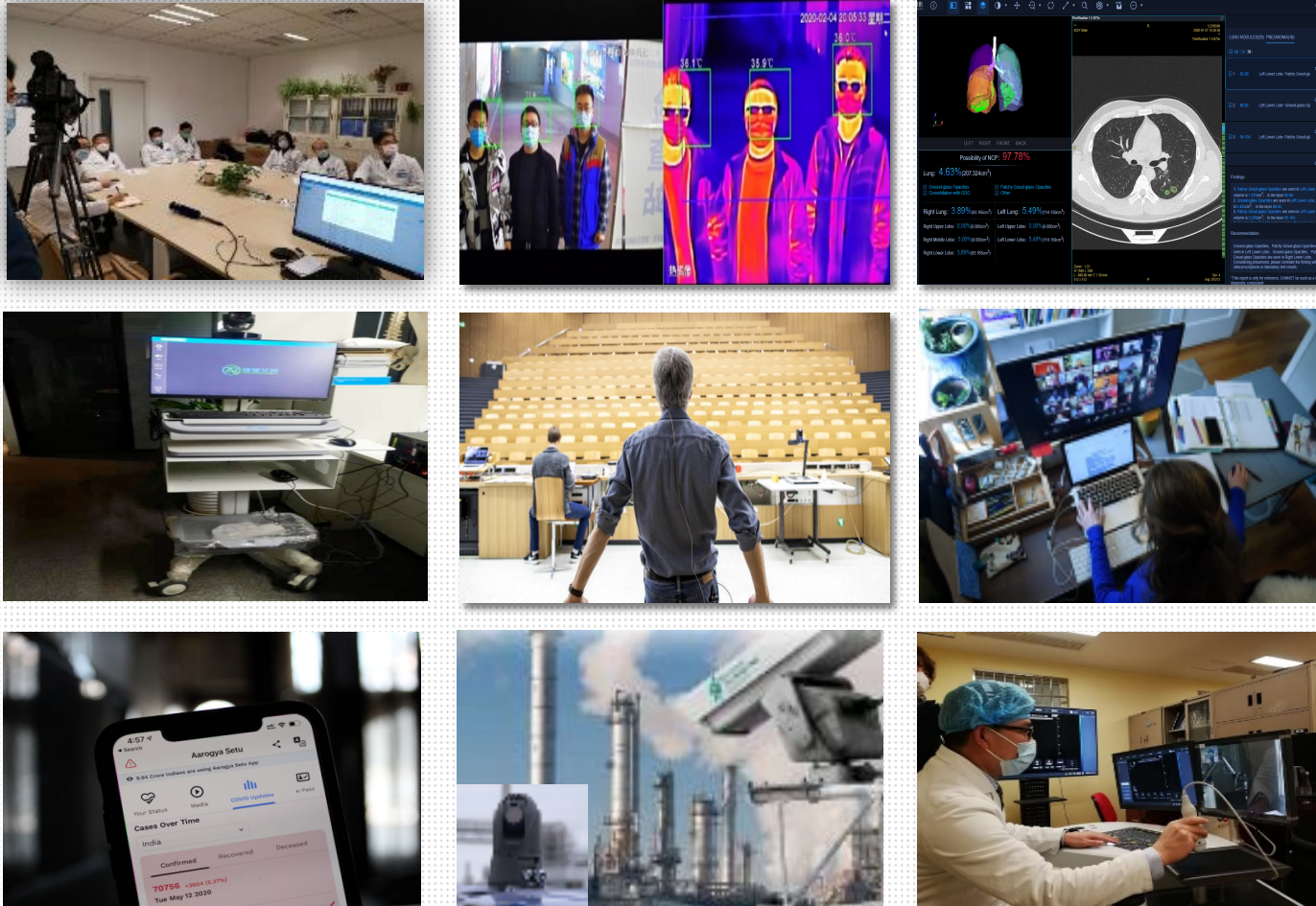


Market Prediction
Hospital Campus

13,000+
(by 2025) in China

Source: Huawei Insights [2020]

More Use Cases Emerging Now and in Post Covid-19 Pandemic Period



Comprehensive 5G+Cloud+AI Solutions for Handling Current Covid-19 Challenges and Supporting the Economy Recovery in post Pandemic Period

Thank you.

Bring digital to every person, home, and organization for a fully connected, intelligent world.

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