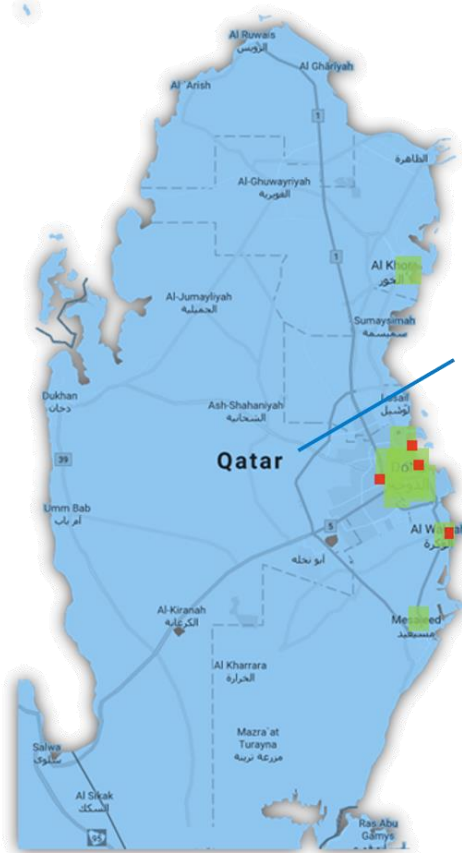


# 5G Emerging Use Cases

ooredoo



# Ooredoo Qatar | 5G Rollout Plans



2019: Limited 5G rollout 150 sites.

2020: >95% Population Coverage.

5G Next-Gen core network live  
1300 5G sites deployed

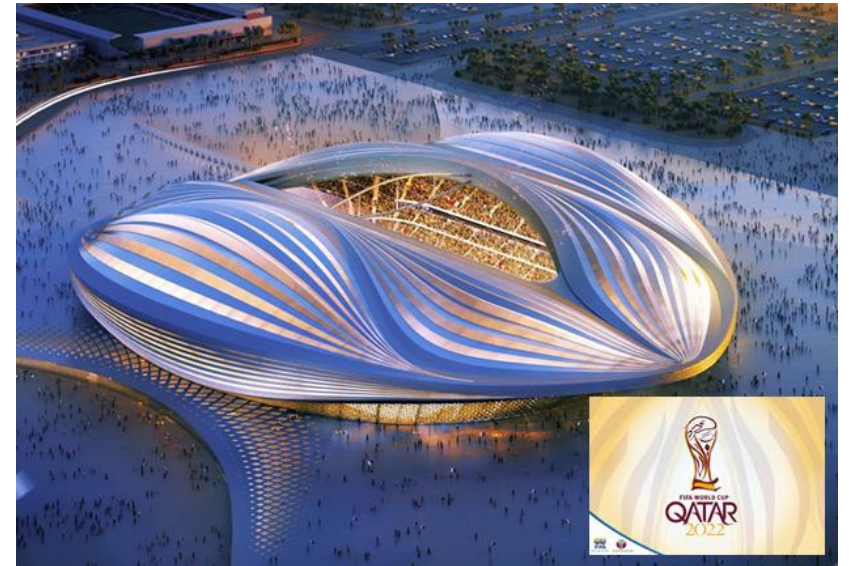
5G Coverage layer at 700 MHz

5G Capacity layer at 3500 MHz

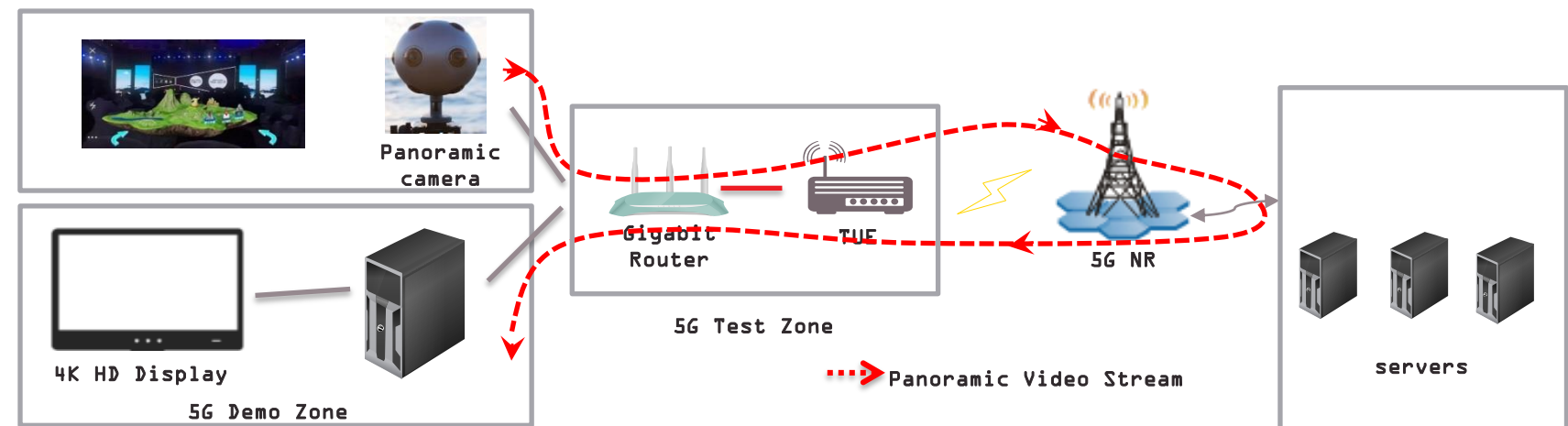
5G UWB layer at 26 GHz

Transport network modernization

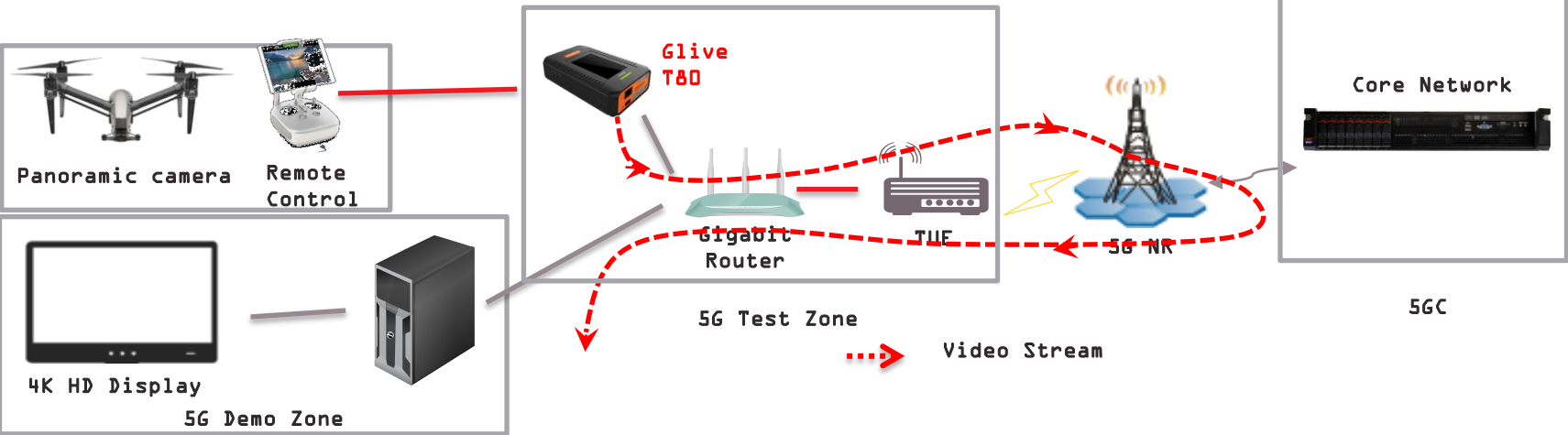
Full modernization of Ooredoo RAN with Ericsson



360° Panoramic VR Live Broadcast



UAV Video Live



Latency test items

Latency item	Latency/ms (Reference Value)	Test Result
User plane latency (One-way)	<4	3.5
Control plane latency	<20	15

THP test items

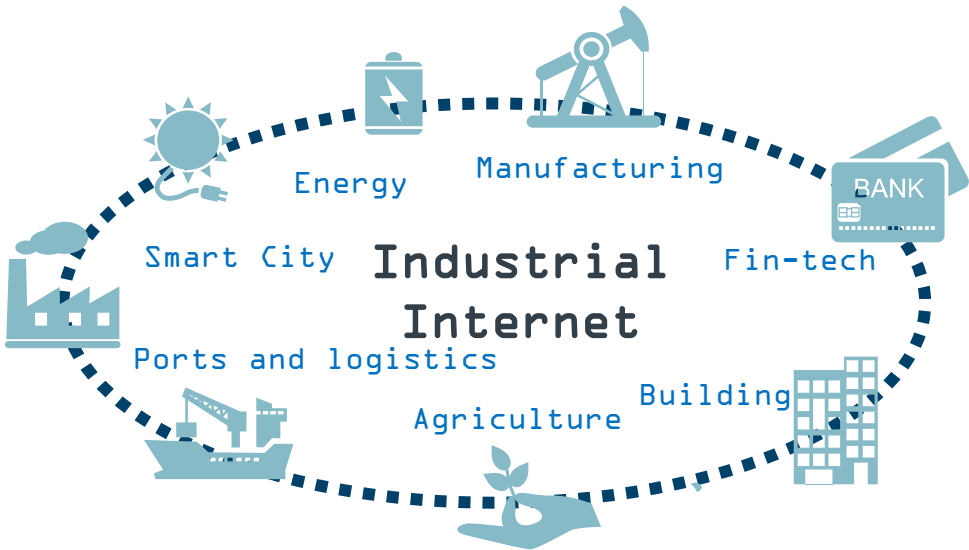
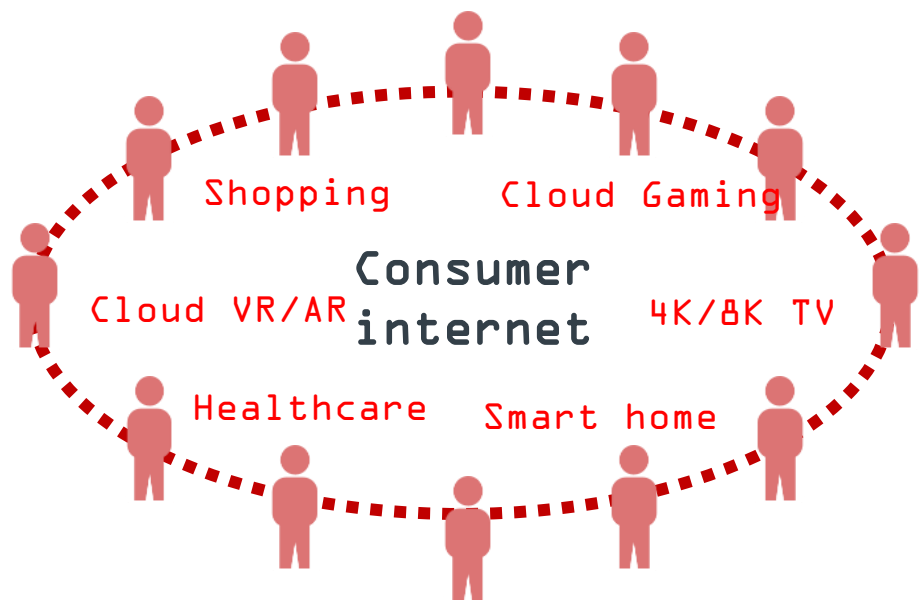
THP item	Peak THP/Gbps (Reference Value)	Test Result
Single user Peak THP(DL)	1.4	1.775
Single user Peak THP(UL)	0.2	0.227

Note: 100MHz, DL THP, In DL 64.3%, 4streams,256QAM  
100MHz, UL THP, In DL 64.3%, 2streams,64QAM



# 5G Evolution | Consumer to Industrial Evolution

Expanding incremental business for industrial customers



Exploring new services for mobile subscribers

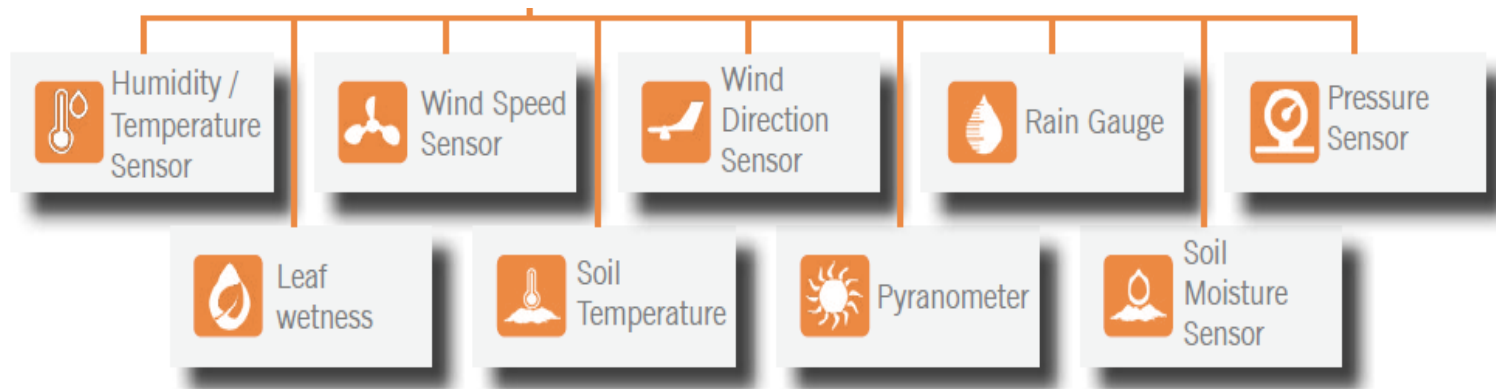
# Smart Agricultural Management

Sector to Improve Operating Efficiency

Digital Transformation for Agricultural



- ① Environment monitoring (sensor network)
  - ②
  - ③ Equipment Monitoring
  - ④ Livestock tracking
  - ⑤ Access Control
- Irrigation Management





# Smart Factory | Digital Transformation for Enterprises to Improve Efficiency and Reduce Cost



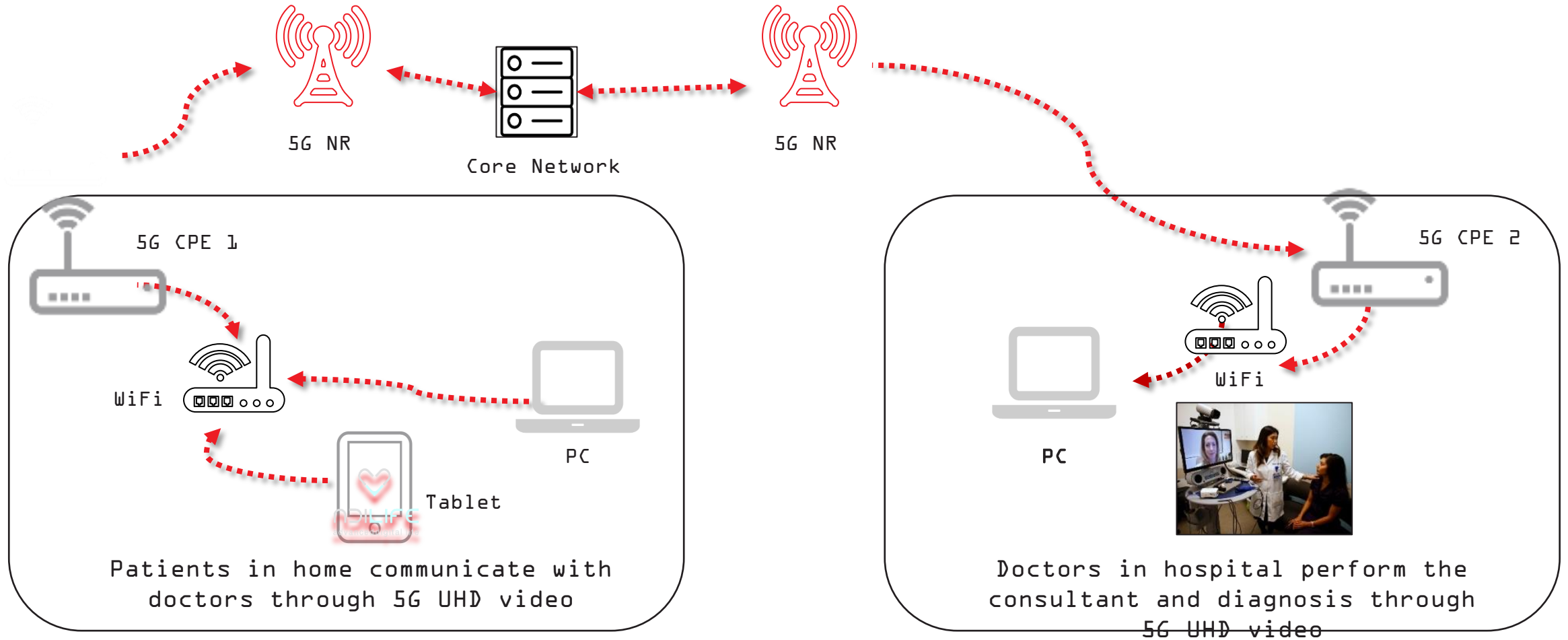
# Intelligent Port | Digital and Automatic Port to improve Operating Efficiency



- ① Environment monitoring (sensor network)
- ② Container tracking
- ③ Emergency telecommunication
- ④ UHD video monitoring and drone inspection
- ⑤ Autonomous truck and scheduling
- ⑥ Automatic or remote-control crane



# Health Care | Remote Health Care through 5G UHD Video



Thank You

ooredoo

