

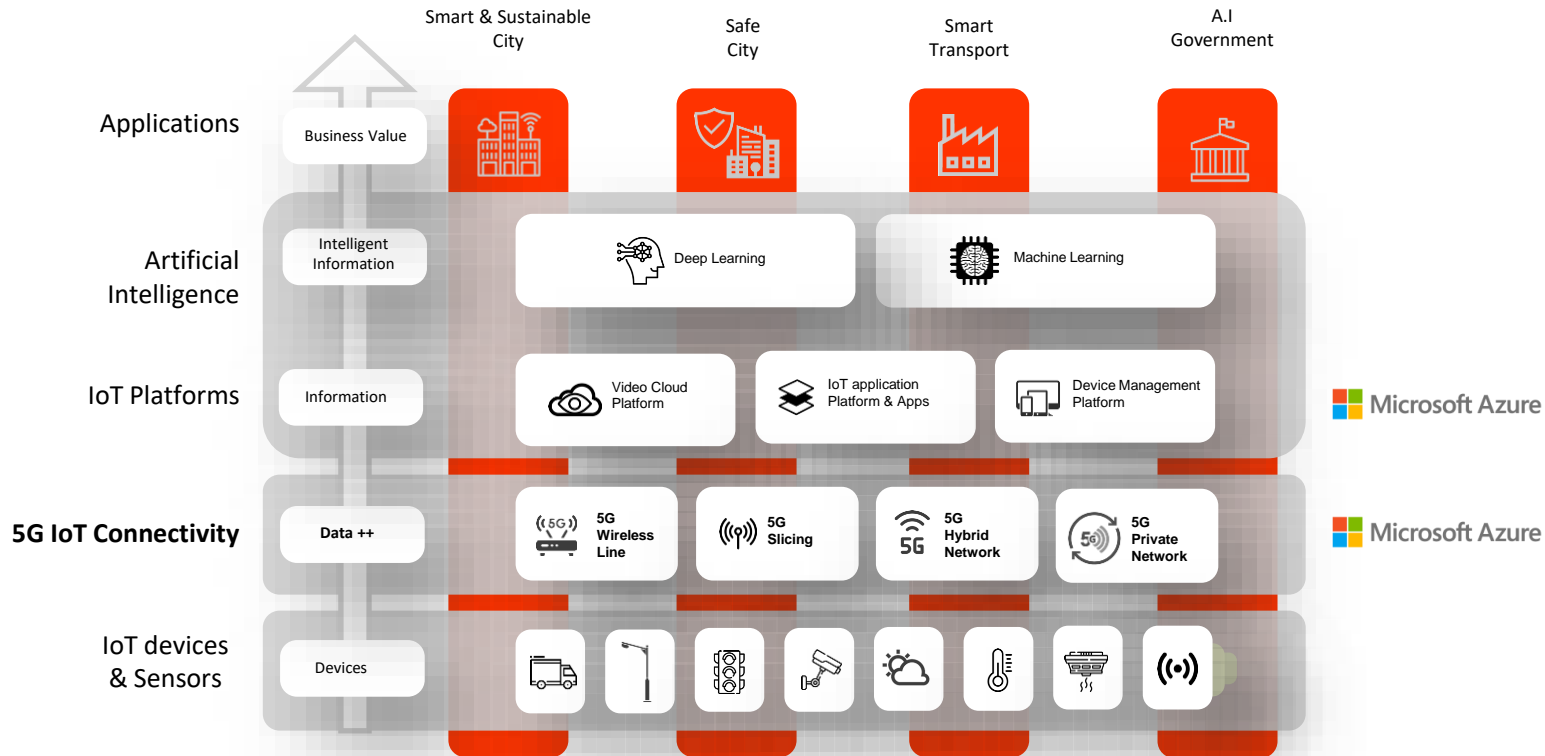
5G Private Mobile EDGE Computing

Industry X.0 powered by 5G



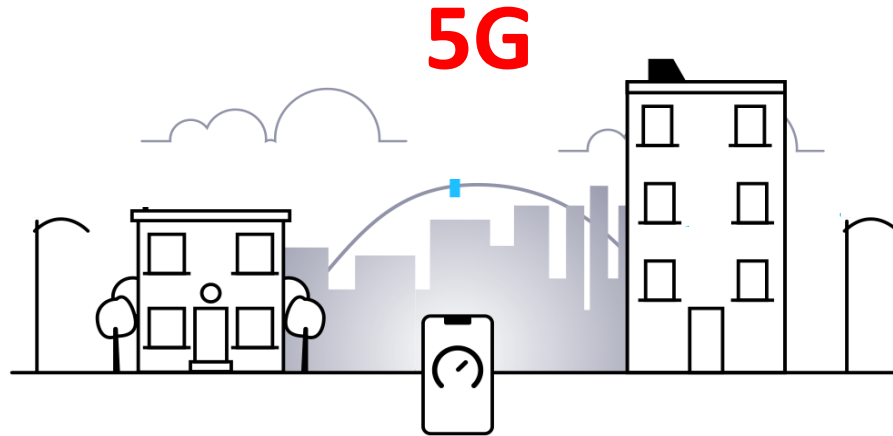
5G, IOT & AI Evolution

Multi-technology platforms to provide industry solutions



5G is HERE

New waves of Innovation



5G is the new generation of radio systems and networks architecture delivering extreme broadband, ultra-robust, low latency connectivity and massive network which will transform technologies and industries



10X

Decrease in latency:
Delivering latency as low as 5ms



10X

Connection density:
Enabling more efficient signaling for IoT Connectivity



10X

Experienced Throughput:
Bringing more uniform, multi-GBPS peak rates



100X

Network Efficiency:
Optimizing network energy consumption with more efficient processing



3X

Spectrum Efficiency:
Achieving even more bits per Hz with advanced antenna techniques



100X

Traffic capacity:
Driving network hyper-densification with more small cells everywhere

5G Private Connectivity

Solutions for new opportunities

Value Proposition



Managed Services'
SLAs



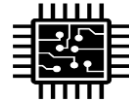
Utilize existing 5G
investment



Private Network as a Service
(OPEX model)



Prompt delivery and
GTM



Mobile Edge
Computing



**5G Dedicated Experts
& Partners**



Joint GTM with Microsoft



 Microsoft Azure

5G Private Networks

5G Private Mobile EDGE Computing

5G Private Network Solution Offering

- Mission Critical **Ultra-Low latency and high throughput**, increased **device density**
- Business Grade **Security & Privacy** with fast and private processing
- Enhanced **data isolation and privacy**
- **Increased device density**, improved latency, and more reliable coverage **QoS and SLAs**
- Targeting **large scale deployments in square kms**
- **Turnkey solution** delivered and managed by Etisalat

RAN
Private radio

5G Core
Private Core & Transport

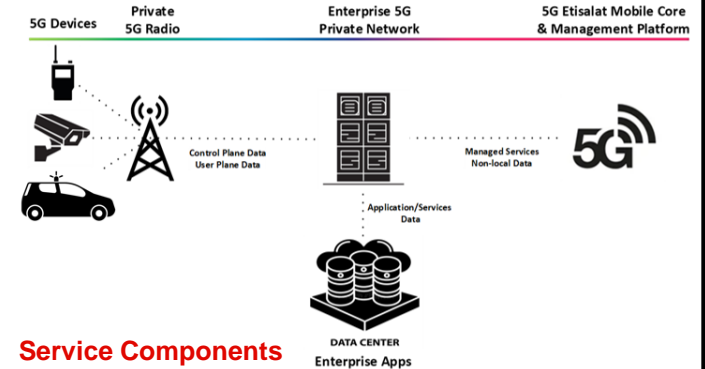
Devices
IoT sensors
CPEs

Services
Private network

Applications
Industrial Apps

Support
Device & network mng

High level architecture

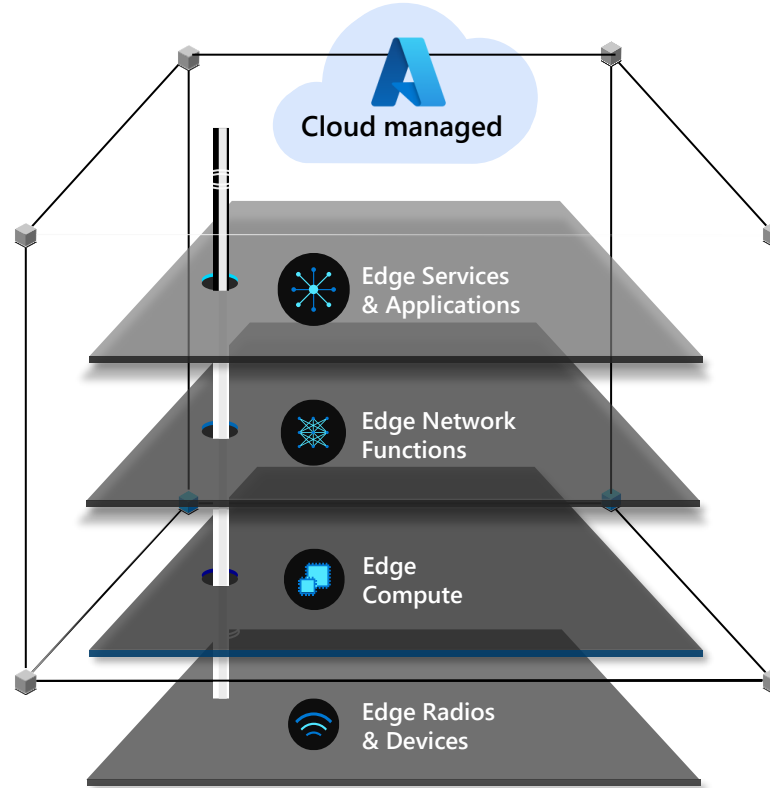


Service Components

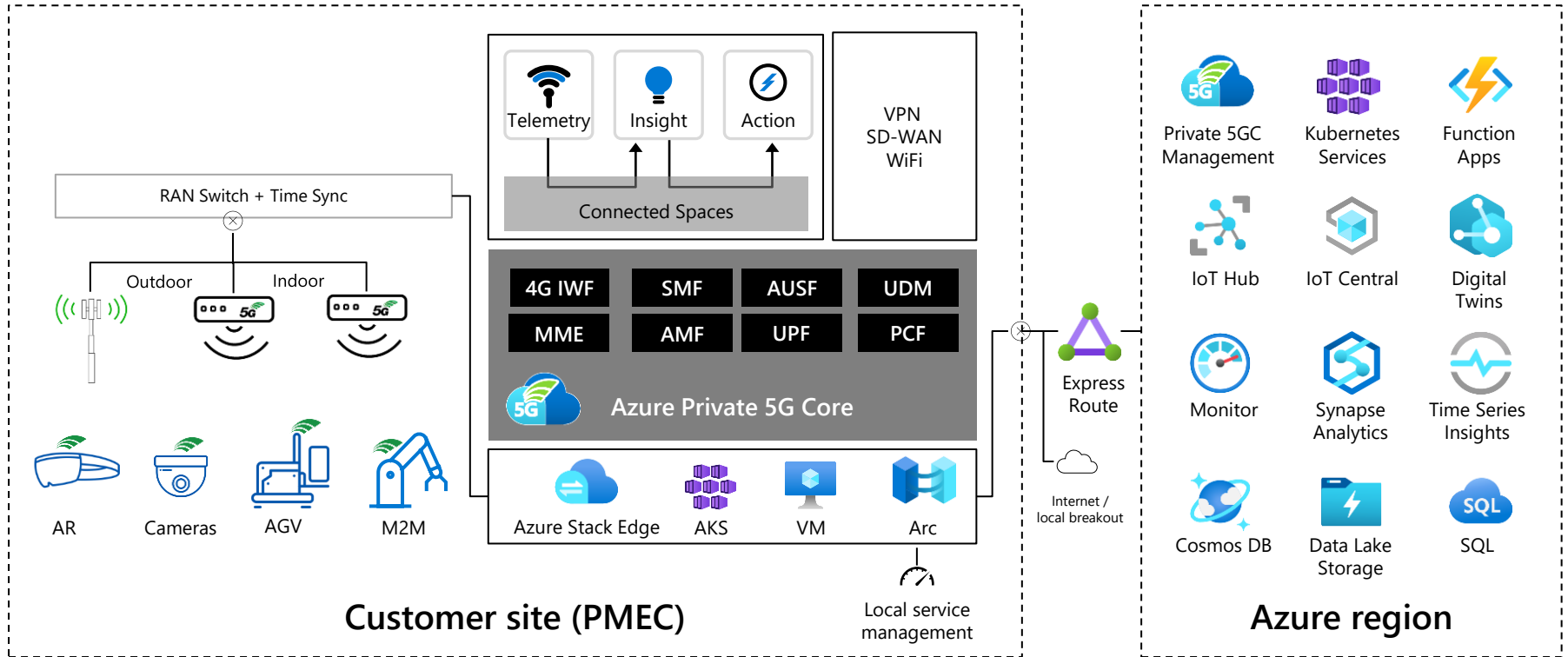
- **Microsoft Azure Private Core**
- Dedicated Radio Access Network
- Transport layer & CPEs,
- Ubiquitous connectivity & Dedicated SIMs
- Corporate & Industrial Applications adds-on

What is Azure private MEC?

- 1 Flexible solution for integrating edge compute, networking and applications on choice of edge platforms
- 2 Designed for operators and system integrators to deliver high performance MEC use cases to enterprises



Microsoft Azure Deployment Architecture



5G + Edge + AI solving industry challenges

Manufacturing

- Employee safety
- Monitoring compliance violation

Retail

- Shelf stockouts
- Customer journey analytics
- Curbside pickup

Transportation

- Aircraft turnaround
- Passenger counting
- Traffic & parking analysis

Infrastructure

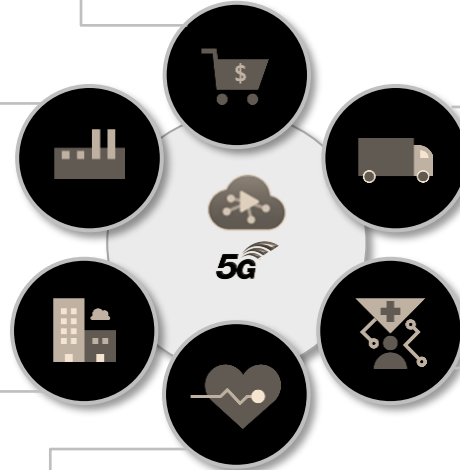
- Early infrastructure deterioration detection
- Critical infrastructure protection

Public Safety & Health

- Pedestrian & bike safety
- Commercial security
- COVID-19 mitigation

Healthcare

- Detection of health anomalies–mammograms, tumors etc.
- Patient monitoring





e& international e& life e& enterprise e& capital

Thank you!

