



5G: making it happen

Emeka Obiodu

GSMA (Strategy Director & 5G Taskforce Lead)

27 June 2019

1

**What are the capabilities
of 5G era networks?**

2

**How will 5G era networks
be built?**

3

**What can operators do
with 5G era capabilities?**



5G-era networks bring new capabilities...

Basic network capabilities	1- 4 ms latency	1,000X more capacity	10-100X Data Rates	10-100x connected devices
Usage performance	Up to 500km/hr mobility	Perception of 100% coverage	Perception of 100% availability	
Energy performance	90% reduction in energy use	10 year battery life for sensors		



... and transformation to network operations

Service Based
Architecture (SBA)

Virtualised networks
*(incl. Network Slicing,
Operator Cloud, MEC)*

Network operations
(incl. AI)

**Network
transformation
in the 5G era**

Service evolution &
Capability exposure
(e.g. APIs, IoT, IP Comms)

Localised networks
*(incl. Small Cells, Private
Networks)*

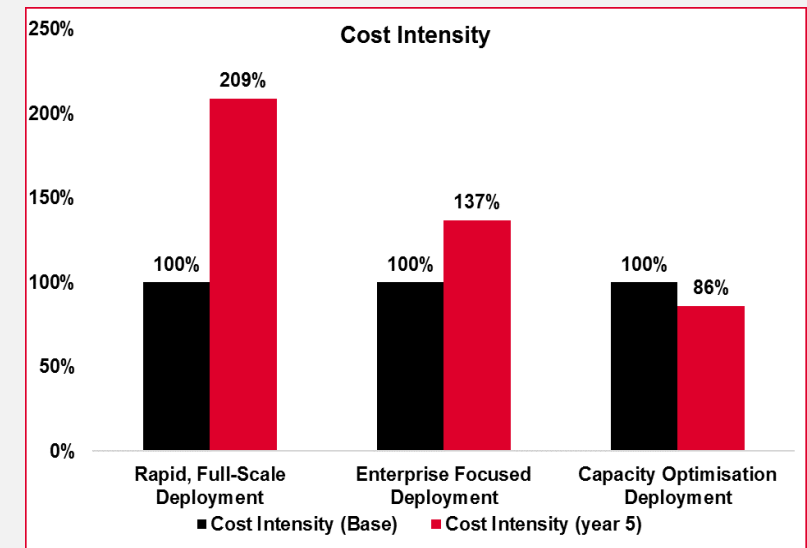
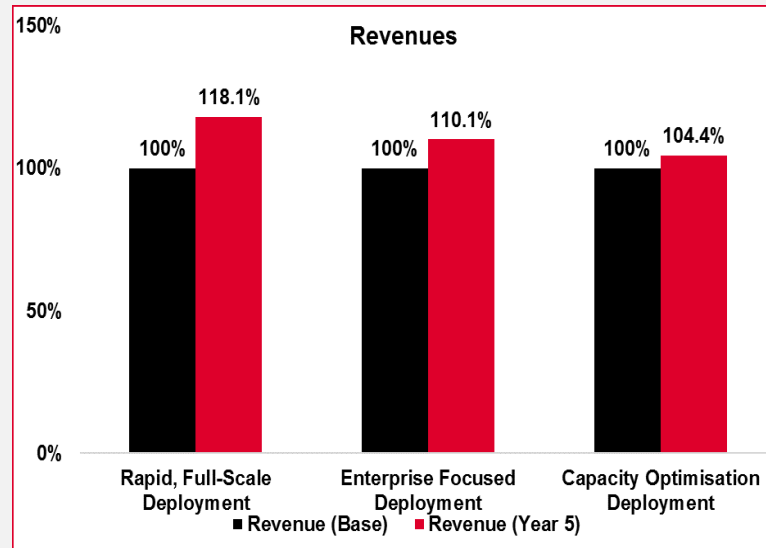
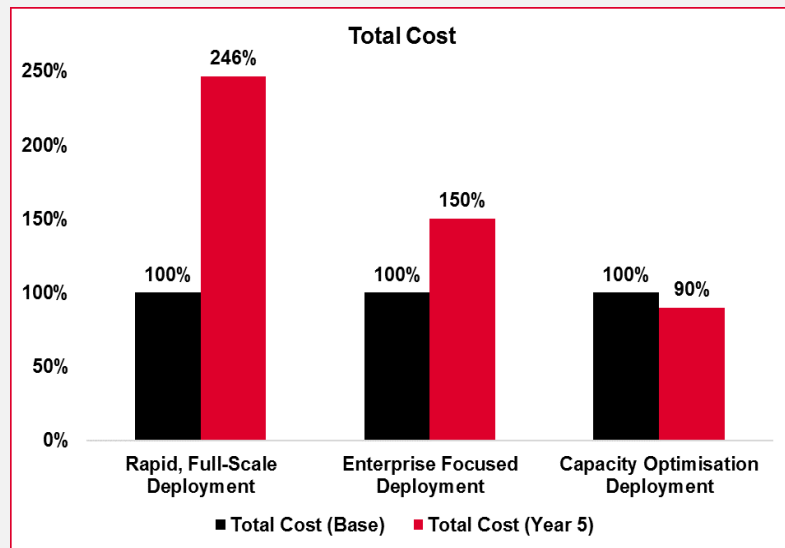
Enhanced Security
Framework



The business case for building 5G era networks is based on ‘operator & market readiness’...

5G Business Case model: 3 deployment scenarios considered for 8 operator archetypes

Cost, Revenue & Cost Intensity projections for a “major integrated operator” in a developed market





... and Policy readiness



**Streamline Regulatory
Conditions**
to facilitate
5G deployment



**Provide Regulatory
Flexibility**
for innovative
5G propositions



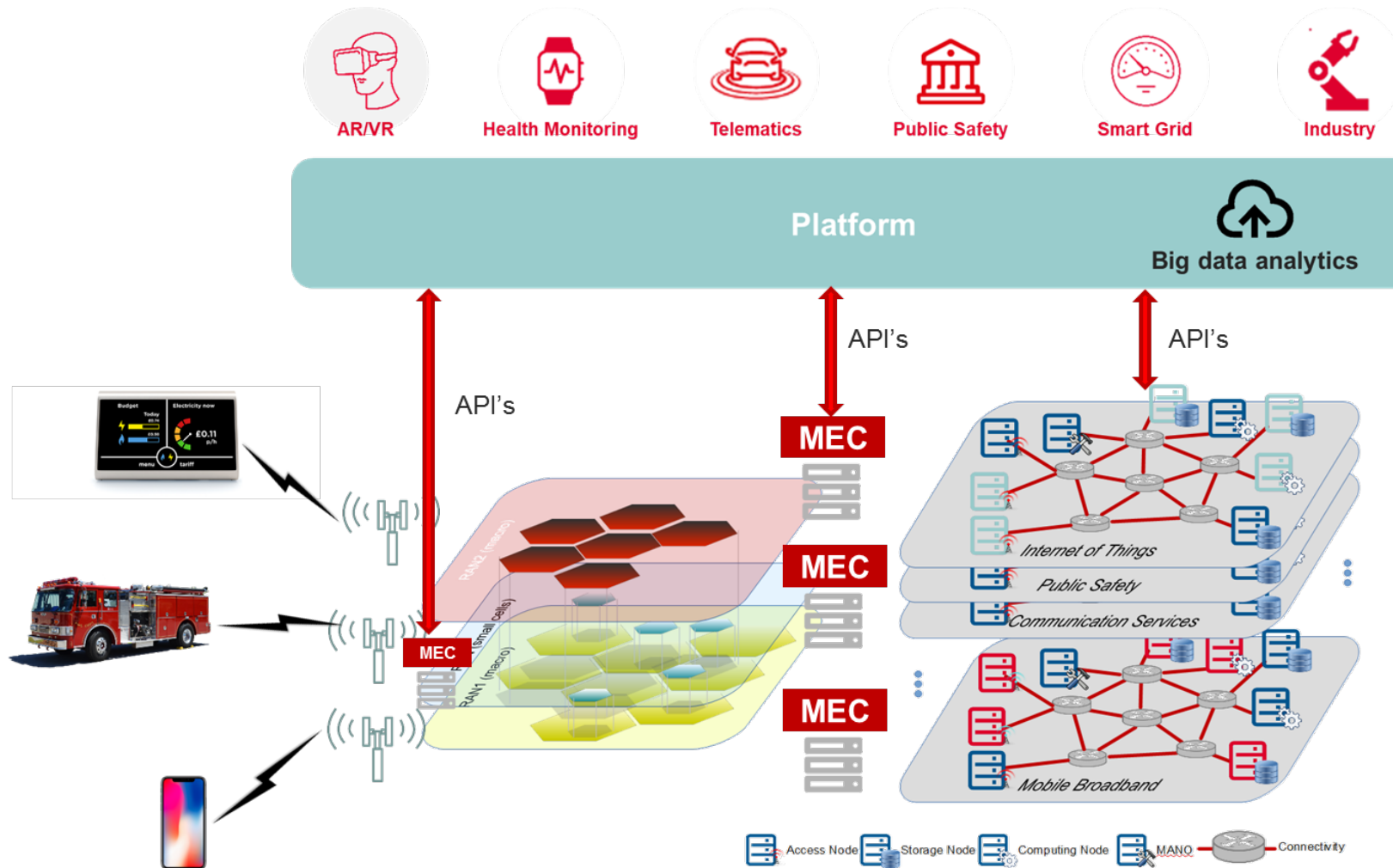
**Release Sufficient
Spectrum for 5G**
that is harmonised
and affordable



**Ease Financial
Demands of 5G**
by bringing
down costs



Operators can 'package' new & existing 5G era capabilities in a platform





Thank you

Emeka Obiodu

***Strategy Director,
5G Taskforce Lead
GSMA***

