

# 5G OVERVIEW

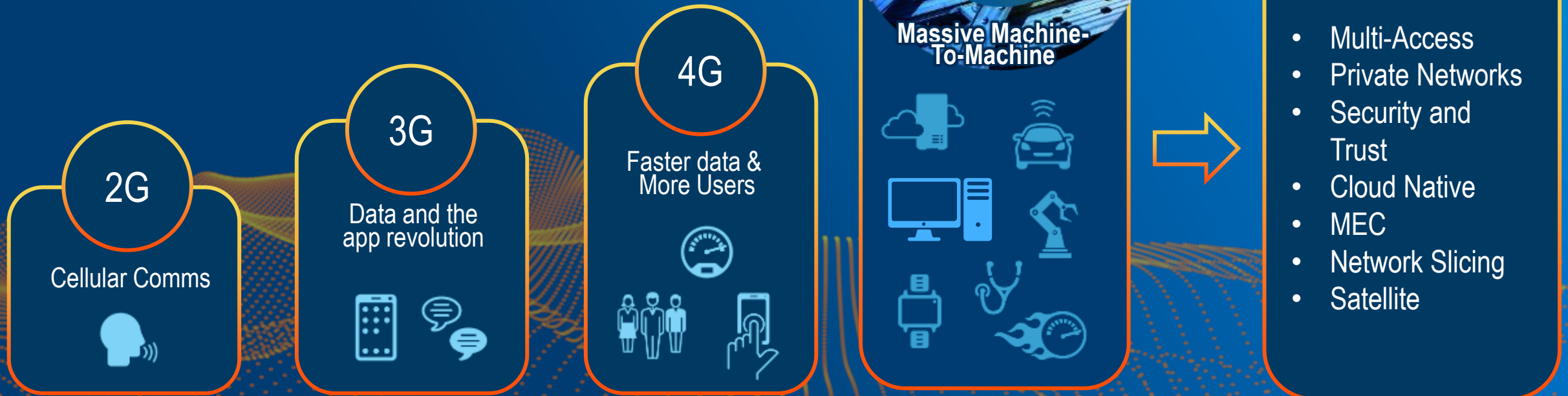
INTEL CORPORATION

# 5G Accelerates Digital Transformation

NEXT GENERATION OF WIRELESS NETWORKS

HIGHER SPEEDS, GREATER CAPACITY AND LOWER LATENCY

BILLIONS OF CONNECTED DEVICES AND THINGS



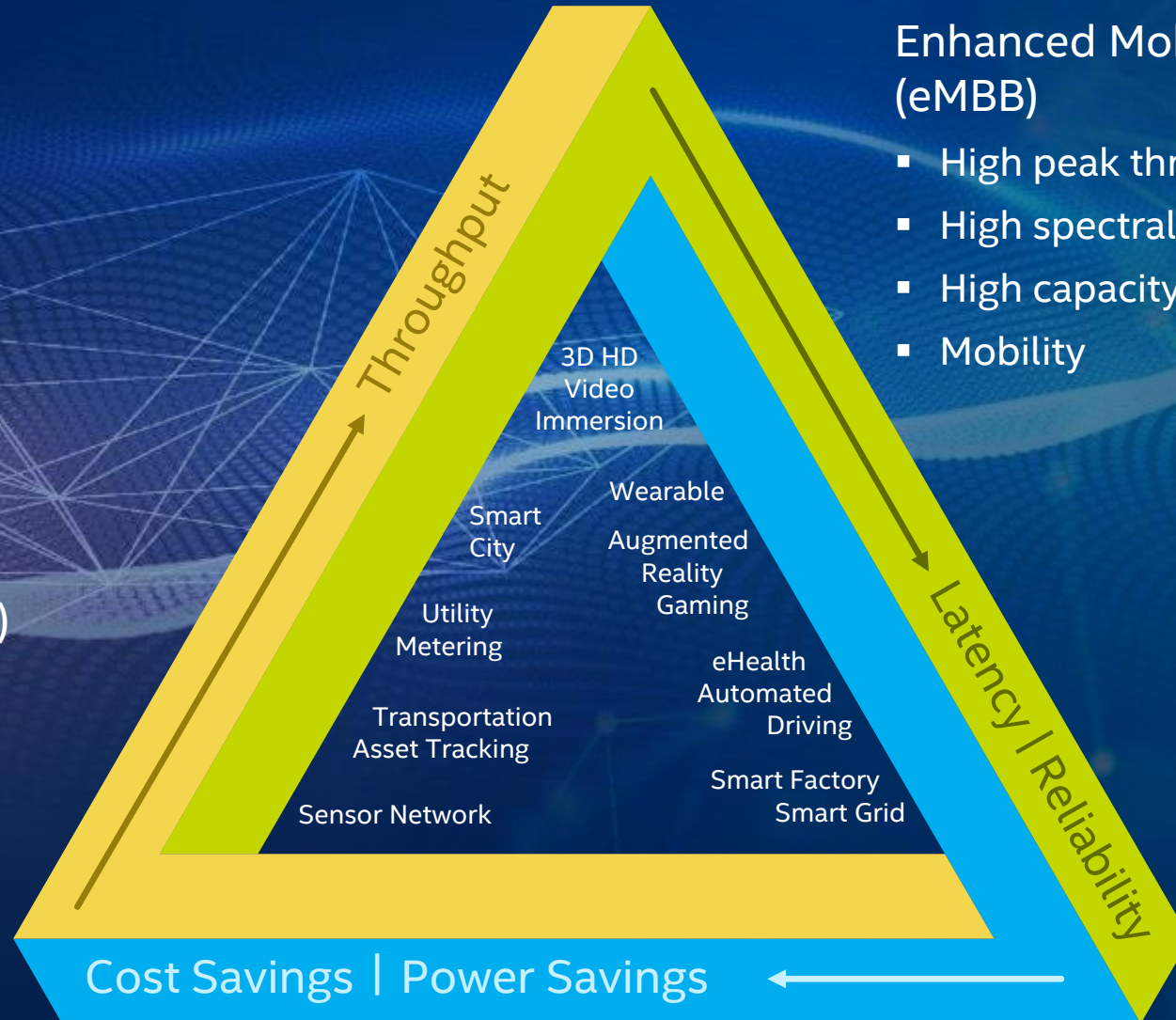
Agility, Scalability and Intelligence Throughout the Network



# 5G Main Features and Use Cases

## Massive Machine-Type Communication (mMTC)

- Energy efficiency
- Massive # connections
- Very large coverage



## Enhanced Mobile Broadband (eMBB)

- High peak throughput
- High spectral efficiency
- High capacity
- Mobility

## Ultra-Reliable Low Latency Communication (URLLC)

- Ultra-high reliability
- Ultra-low latency

# 5G IS A GAME CHANGER, ENABLING INNOVATIVE USE CASES

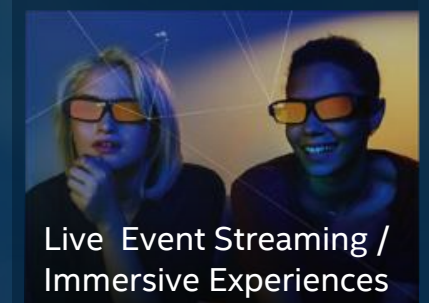
**MISSION-CRITICAL**  
**ULTRA RELIABILITY**  
**& LOW LATENCY**



**MASSIVE IOT:**  
**MASSIVE M2M**  
**CONNECTIVITY**

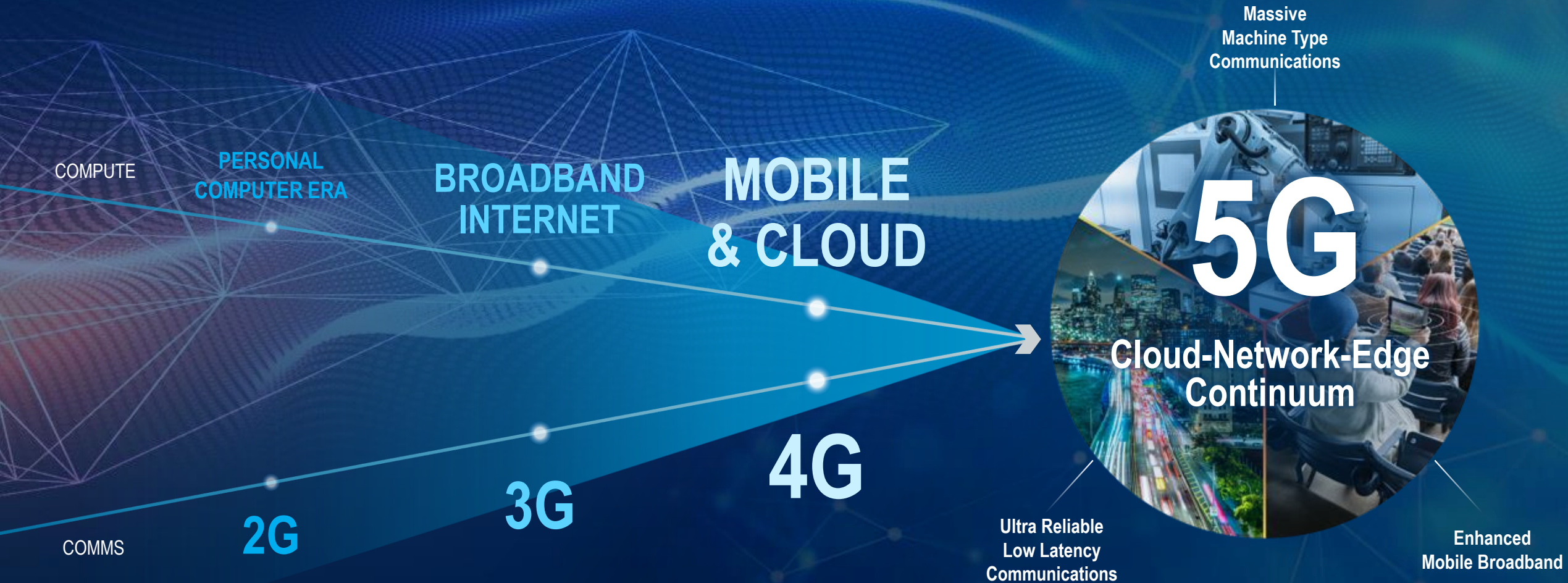


**ENHANCED MOBILE**  
**BROADBAND**





# Evolution of Cellular Technology



# 5G & Edge: Computing Optimized for Business Value



Leverage  
always-on data access and  
enhanced security with less  
data  
in transit.



Easily deliver new services  
and target and shift  
between localized markets.



Support  
latency-sensitive applications and  
act  
on data insights in  
near-real time.



Prep for agile growth by  
expanding capacity  
without opening a new  
data center.

# 75%

of enterprise-generated data will  
be created and processed  
outside centralized data centers  
or the cloud by 2025.\*



# 5G & AI: Paving the Path to Revolutionary AI Paradigms

\$17.9T

in Global GDP from 5G & AI  
direct, indirect, and  
productivity  
value by 2035



Facilitate next-gen  
services and  
experiences



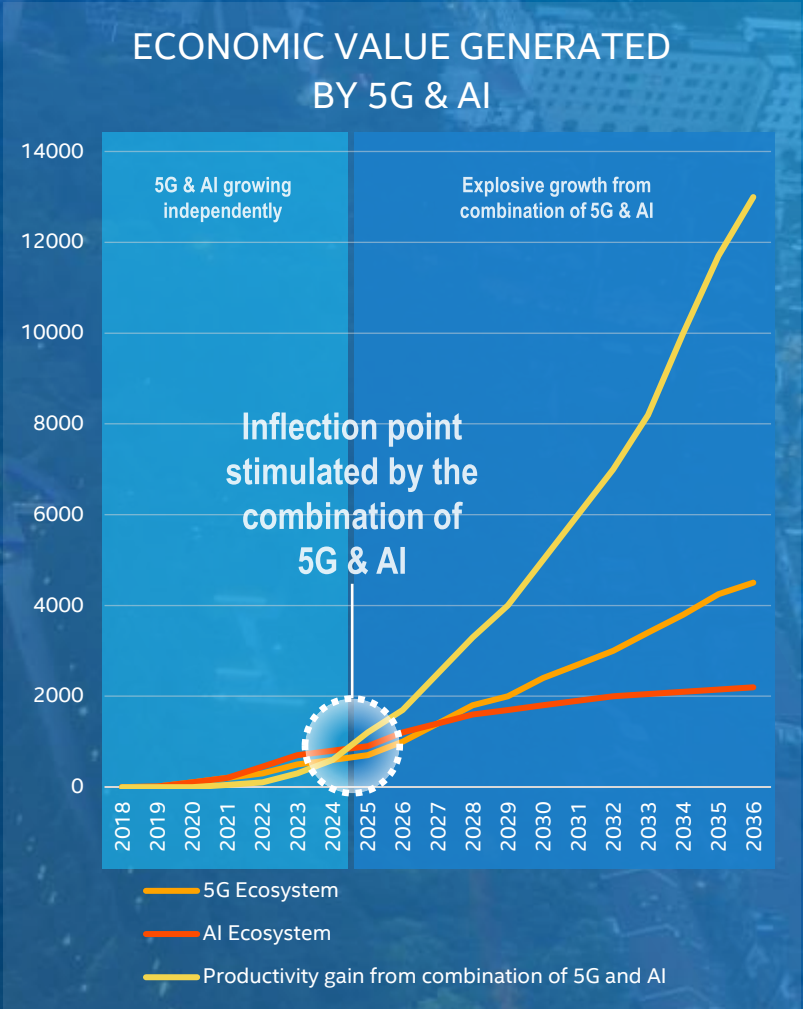
Deliver new business  
insight and  
value



Enable dynamic  
adjustment and optimal  
performance

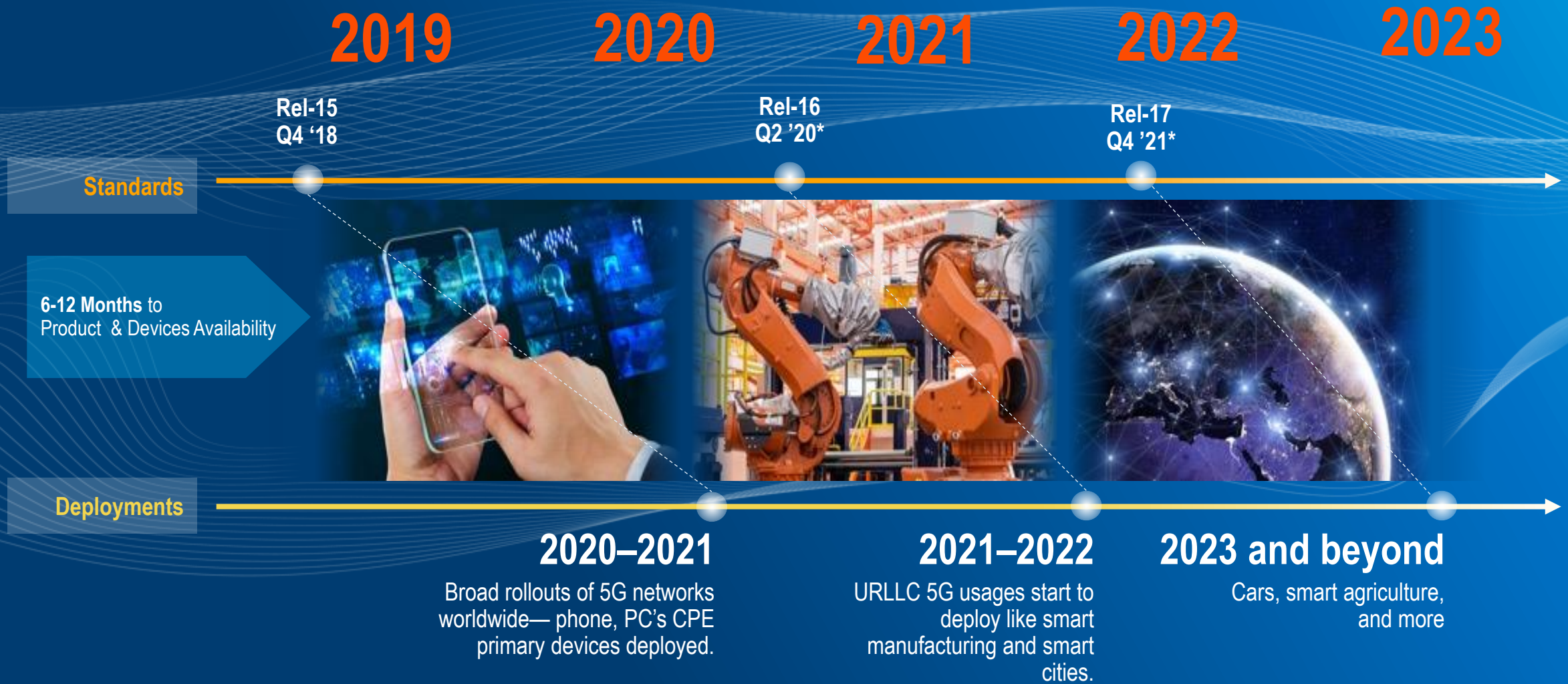


Boost cost  
efficiency and  
maximize ROI





# 5G: Evolutionary and Revolutionary



\* Reflects delay due to COVID-19



