

5G Future X – Unleashing the potential of 5G

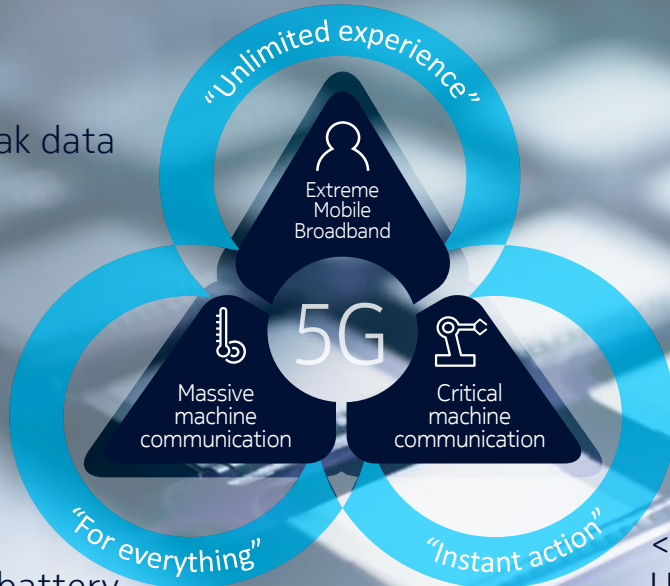
NOKIA

5G Product Management
MWC2018

5G Future X

Realizing the 5G potential

x10k traffic
>10Gbps peak data



10 years on battery
1M devices/km²

<1ms latency
Ultra reliability

Optimization focus
Bit/s/Hz/m²/joule/\$

Architecture design
Cloud native
Scalable
Automated
AI driven
Open

Consumer 5G survey key findings

Need or would like faster connectivity on next smartphone

>86%

Likely to purchase a phone that supports 5G next

~50%

Top use case—use cellular connectivity everywhere



Willing to pay extra for 5G



Top 3 reasons for 5G:

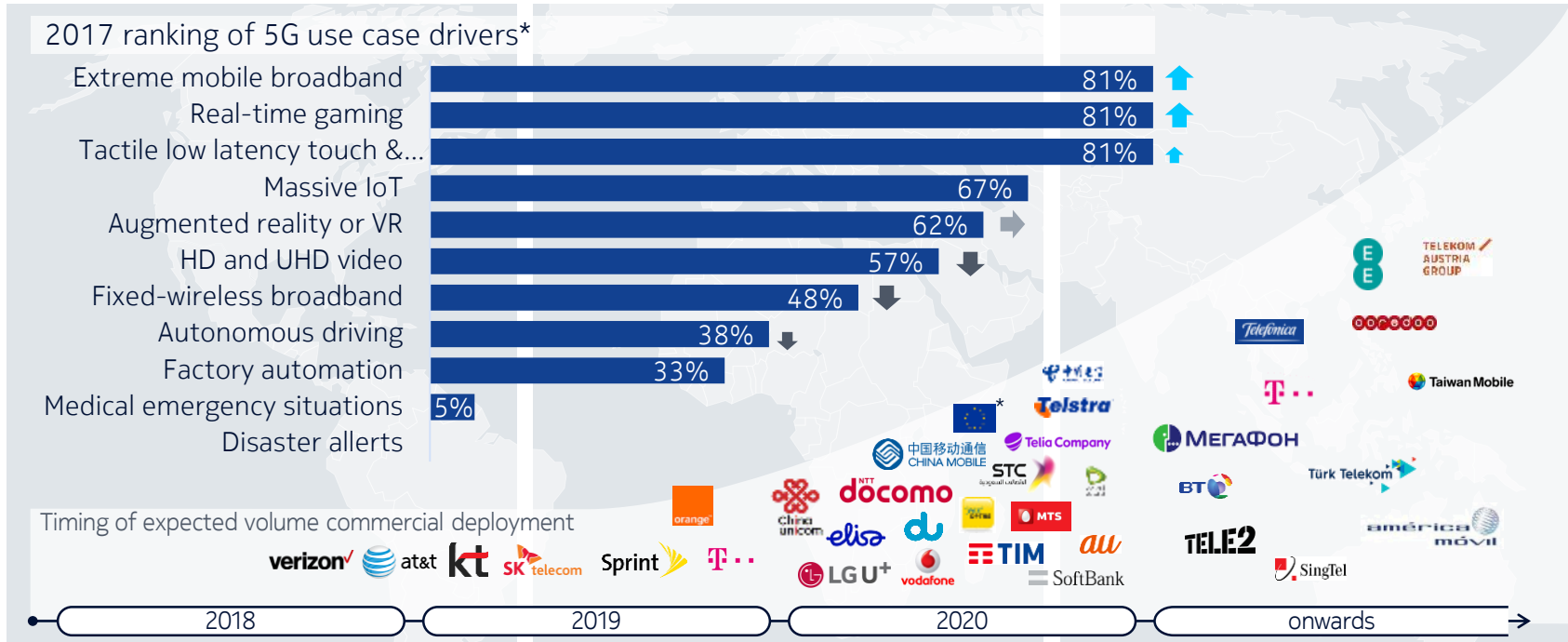
10x
faster
speeds

10x
quicker
response time

More
cost-effective
data plans



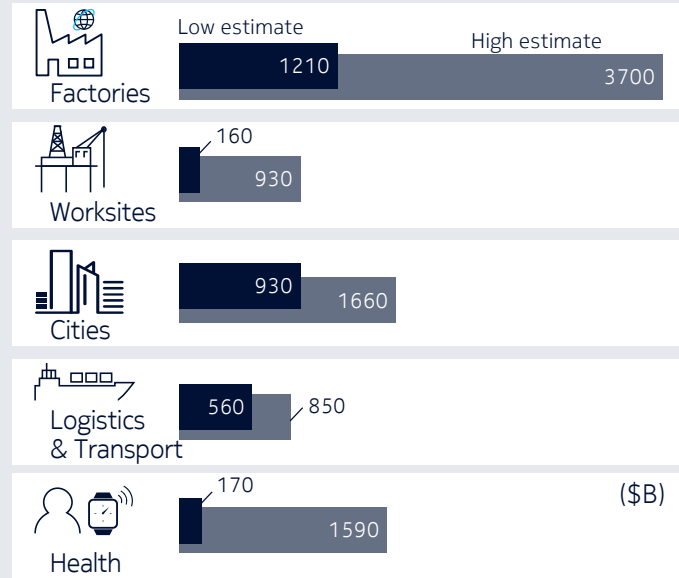
Use case driver perception still changes frequently ... as new concepts and ideas emerge



*) Source: IHS 5G Strategies Global Service provider Survey 2017; n=21; % of ranking important/very important | **) Compared to 2015/16

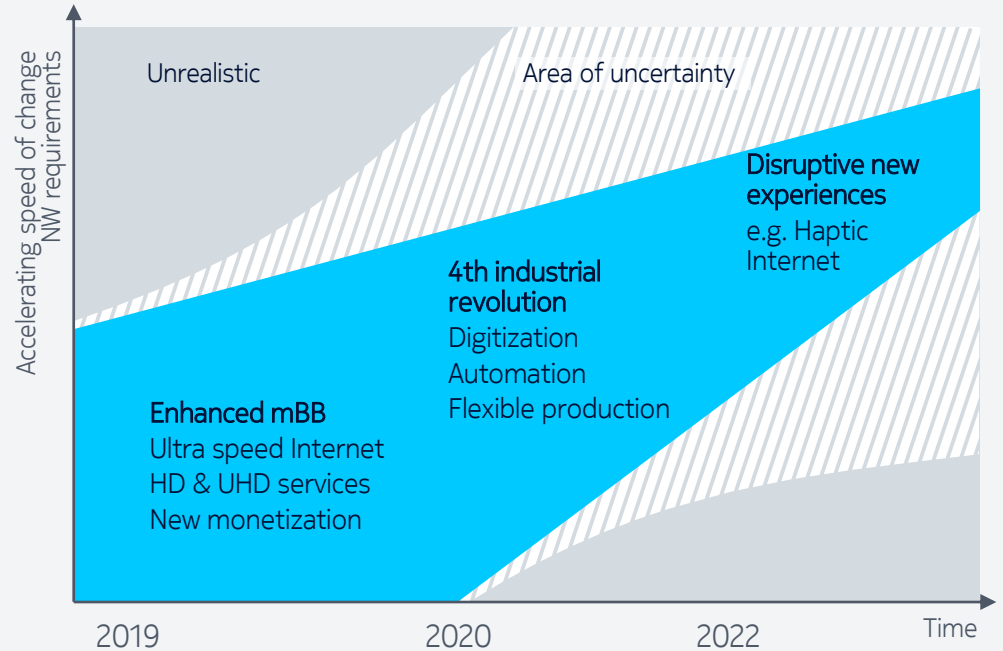
The quest for new economic value

New DSP markets offer significant revenue expansion



Estimated 2025 value creation potential of the IoT
 - McKinsey Global Institute

...be prepared for the obvious and the uncertain



Unleashing the potential of 5G – driven by architecture

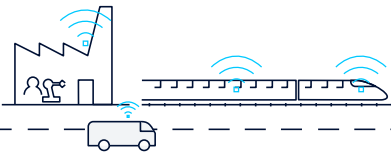
Powerful



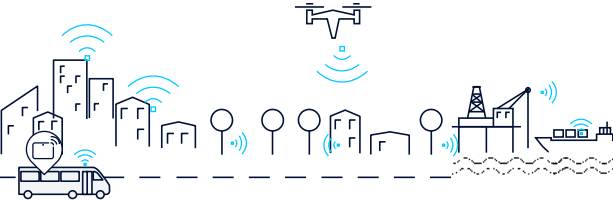
Efficient



Intelligent



Flexible



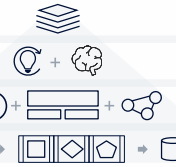
Nokia Bell Labs
innovation in action

Digital Value Platforms

Augmented Cognition Systems

Programmable Network OS

Universal Adaptive Core



5G Future X



Emerging Devices
& Sensors



Massive Scale
Access

Autonomously
optimized coverage
& capacity



Converged
Edge Cloud

Software-
defined



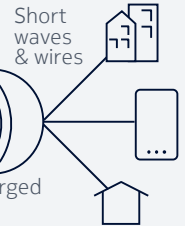
Smart Network
Fabric



Long
fibers



Converged
Node



Wider ecosystem – driving the 5G architecture

Business partners



Verticals



Leading contributor to standardization & research



Shaping 5G with all major operators



The image features the Nokia logo in a light blue, semi-transparent font, centered horizontally across the middle of the frame. The background is a blurred, close-up view of a circuit board, showing various components and traces in shades of blue and white, creating a sense of depth and technology.

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