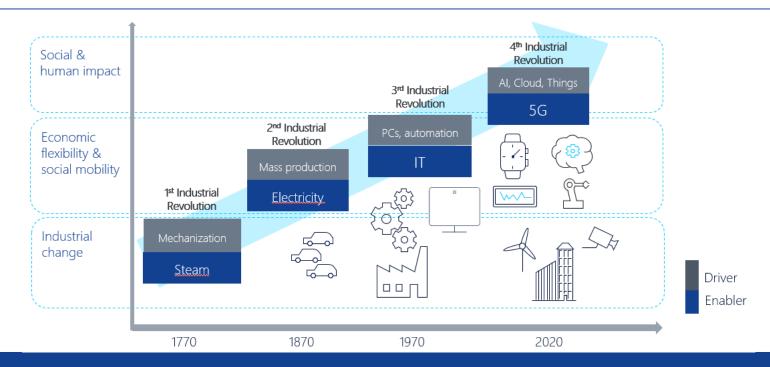


The past 100+ years of breathtaking innovation & beginning of 4th Industrial Revolution



Mobile communications and computing have transformed human existence

Public

"We sit on the cusp of a revolution in Information..."



Data & information becoming instant.

Public



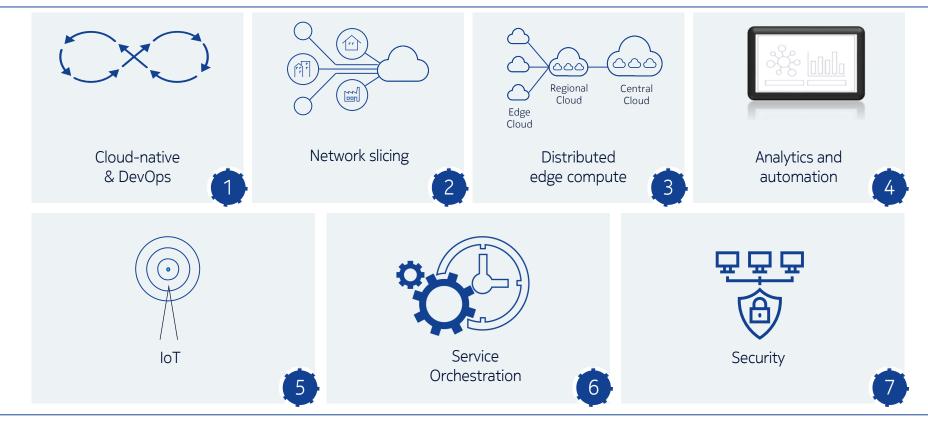
Big data becoming small.



Intelligence becoming augmented.

Information is the communication or reception of knowledge

Emerging Technologies Trends in 5G Era





© 2017 Nokia

Creating the technology to connect the world

Enabling massive capacity everywhere through



Ultrabroadband

Realizing the agility of softwaredefined business through the



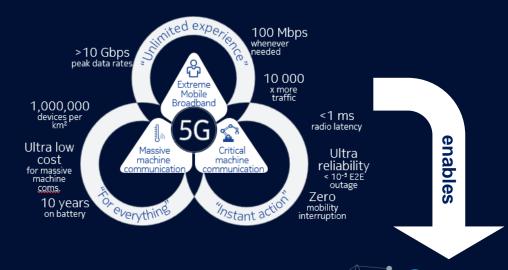
Cloud

Igniting the new businesses of



IoT

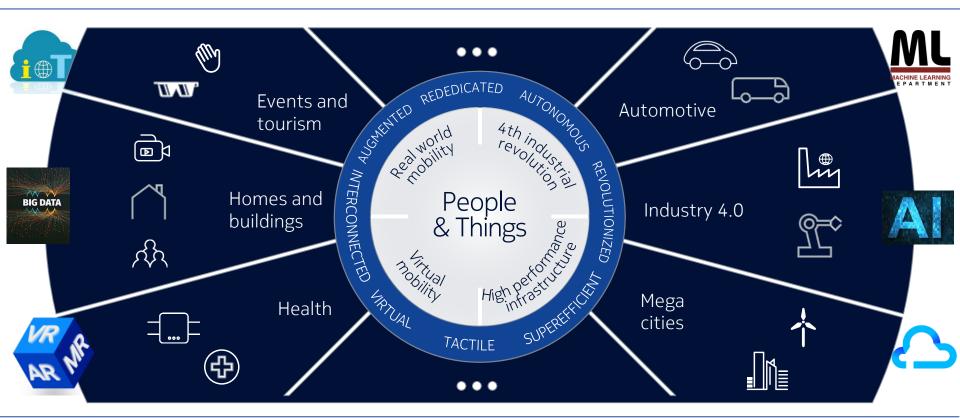
..enabling 4th industry revolution



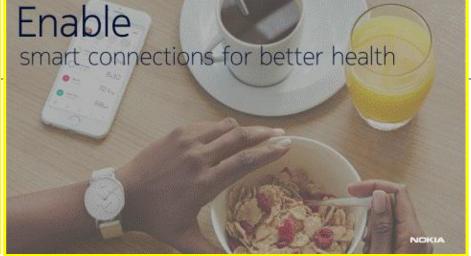




5G - Limited only by our imagination of the human possibilities









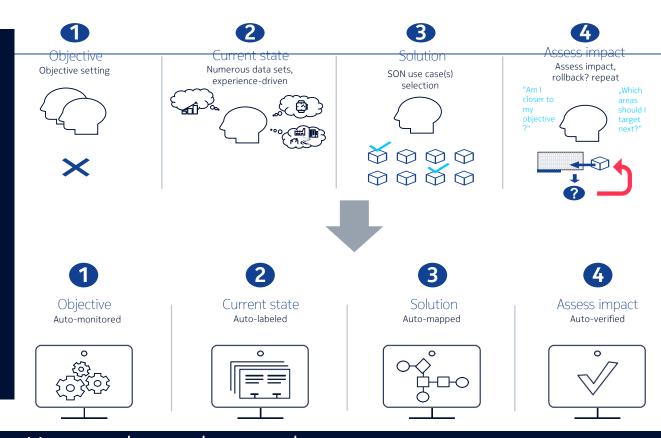


5G – Role of Al/ML in the Radio network

Confidential

Modern networks need a Cognitive SON solution which is

- Context aware
- Surgical in precision
- Dynamic and adaptive to change
- Requires minimum human intervention

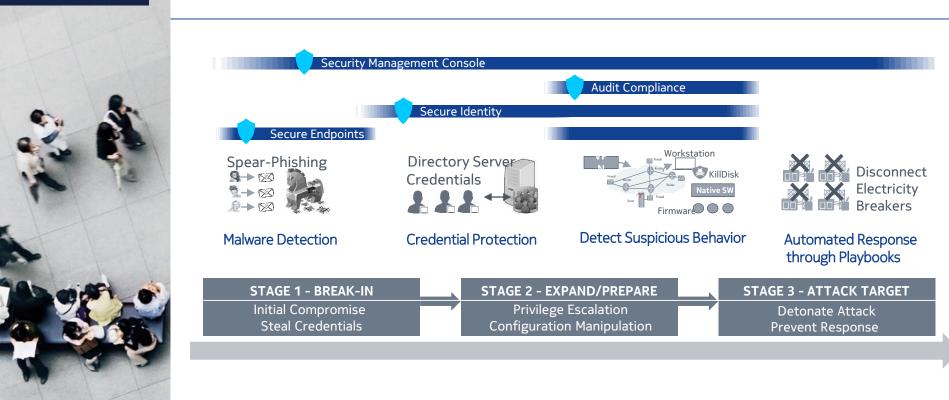


Human elevated to an observer



E2E Security

E2E Security: The weakest link breaks the chain





Security Management Console E2E Automated Operations, Analytics & Response





Deliver the extraordinary

CSP business potential

Improve security team effectiveness

TCO savings over point security solutions

70%

Up to 23%

Shrink detection time by

Inline Connectivity protection

80%

5-6x reduced cost/Gbps

CSP differentiation potential

Automated alarm management

Reduction of infections by

10 Mill alarms down to 3K 50%



What benefits and revenue opportunities does it provide? Deploy use cases that leverage 5G performance



1 Enhanced mobile broadband



2 Video surveillance & analytics



3 Fixed Wireless Access



Immersive experience



5 Smart Stadium



6 Machine remote control



Assisted & autonomous vehicles



Cloud robotics & process automation



eHealth



The 5G Readiness Report Unimaginable Opportunities



We've only just scratched the surface: the cities, hospitals and factories of the future depend on 5G and the unparalleled ability it offers to move, process and store vast volumes of data. Moreover, the biggest challenges we face as a society – from climate change to the pandemic – can be better tackled through at-scale use of the data and technologies that 5G will unleash.

NOKIA