

SENDATE

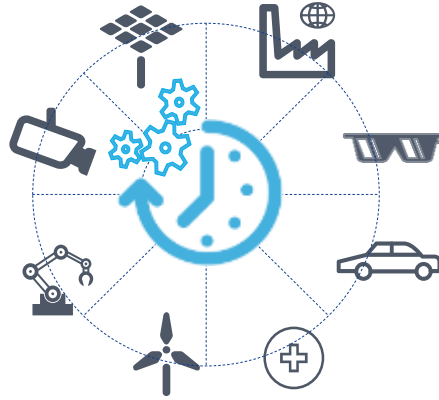
a strategic project for Nokia

Jean Luc Beylat, VP Ecosystems, Market Enablers & Customers Innovation Centers,
President Nokia Bell Labs France

Automation of everything – the next technological revolution



Pervasive digital-physical systems drive life and business automation



Automation of everything transforms economy and society and creates time

100x
augmented cognition SLA

trust
Infinite capacity

global-local alliance

imperceptible latency

security

Fundamental digital needs demand radically new network architecture

We are solving the challenges of the new digital era

Ubiquitous Network, Compute & Storage 1

- Unlimited cloud computing, storage and connectivity
- Supercomputer in your pocket



Augmented Intelligence 2

- Machine learning for sophisticated decision support
- IoT data fuels augmented intelligence



Internet of Things 3

- Sensors in homes, cities, clothing, transport and manufacturing
- Distributed computing for RT data analytics



Human and Machine Interaction 4

- Novel interaction mechanisms with people and objects
- AR/VR, wearables and implants



Social & Trust Economics 5

- New digital value platforms with distributed trust
- Sharing efficiency new business models



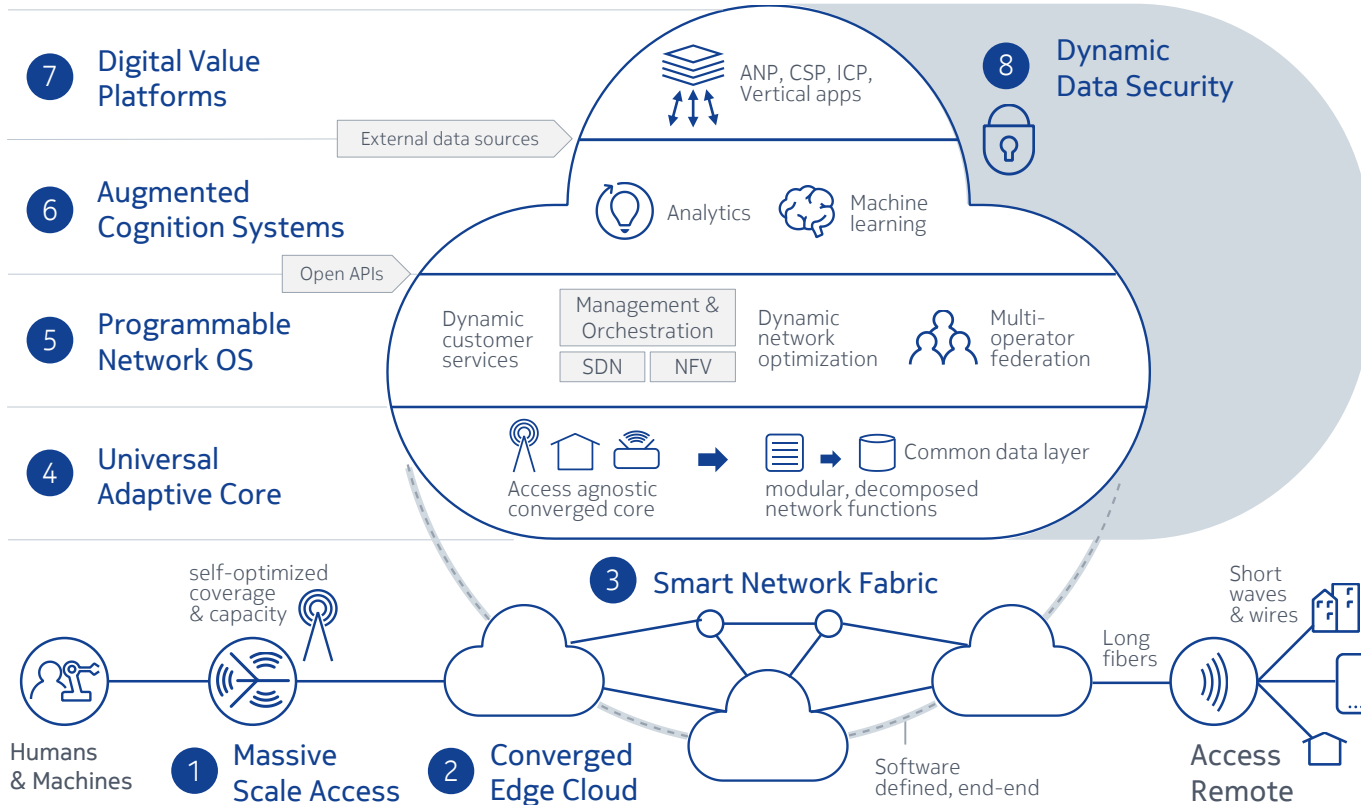
Next Level Digitization 6

- Digital defines essence of physical objects
- 3D printing, bio-informatics, nanomaterials

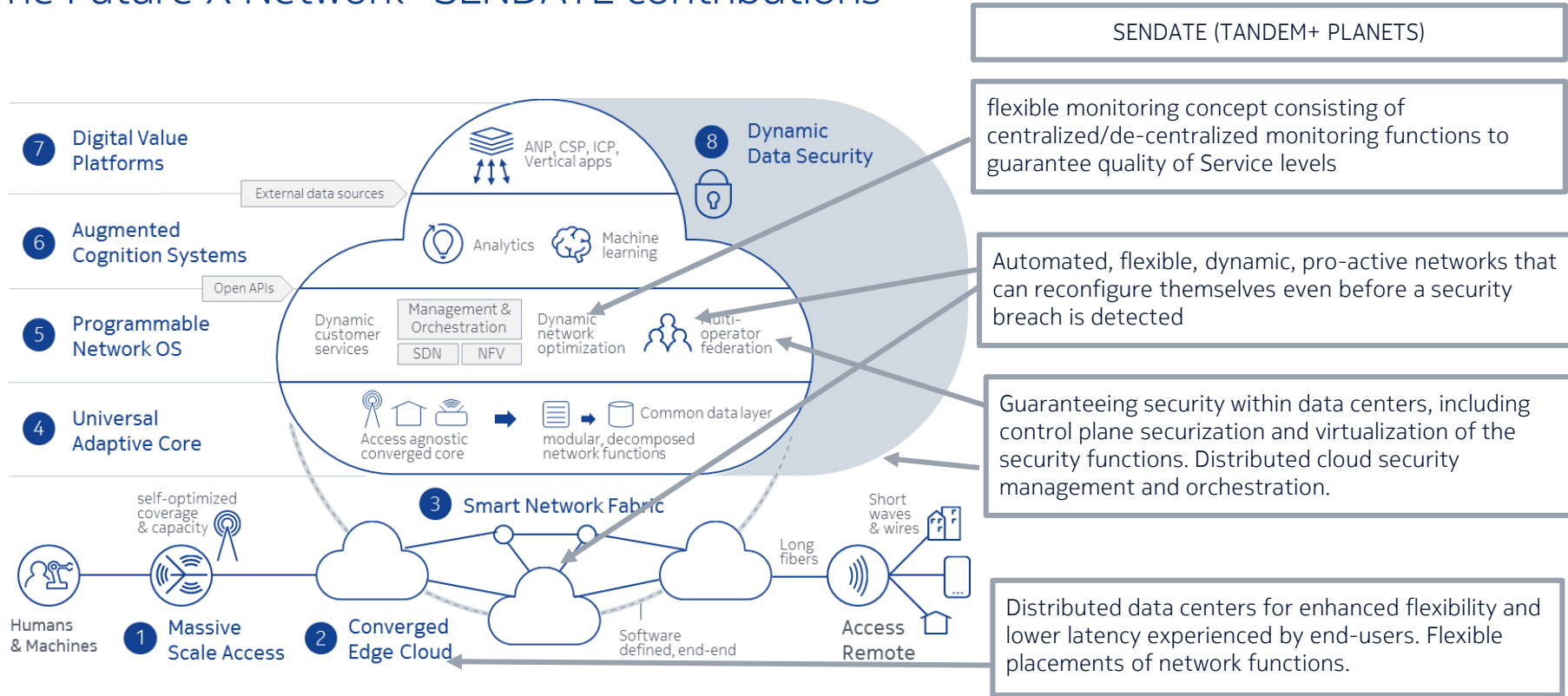


Source: World Economic Forum: Global Agenda Council on the Future of Software & Society. Survey Report, November 2015; Corporate Strategy analysis

The Future X Network - the radically new architecture



The Future X Network –SENDATE contributions



Working with partners to design, implement and experiments key building blocks to realize the vision

EUREKA an indispensable framework for European industry competitiveness

- European scale & National strategies
- Strong communities Large companies / SMEs / academics
- Market driven
- Flexibility for innovation
- Low overhead
- Numerous success stories with business impacts for Nokia
 - Optics: 100 GET, SASER, EONET
 - Access: BANITS
 - Residential services: ENCOMPAS
 - Software Defined Mobile Networks: SIGMONA
 - And SENDATE on track to be successful !

NOKIA