



5G and FTTH: Business Value & Strategy

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Outline

Network Mobile Broadband Facts

5G Evolution

IoT market outlook

IoT industry re-shaping

Fiber Installations

Wireless Fiber

Conclusions



Network Mobile Broadband Facts

Ready for 2023 MBB Challenge







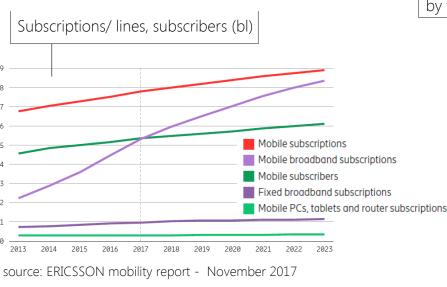
Global Mobile Broadband Facts

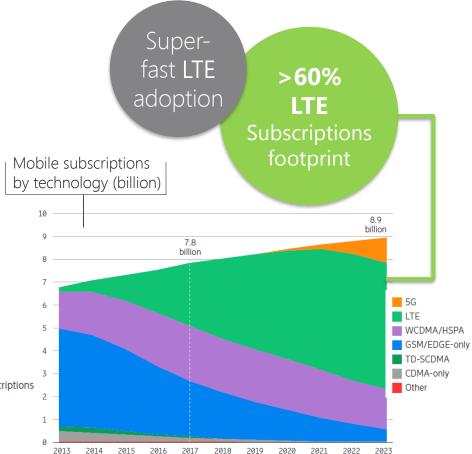
Subscribers and Technology Outlook



By 2023 there will be:

- 8.9 billion mobile subscriptions,
- 8.3 billion MBB subscriptions
- 7.2 billion smartphone subscriptions





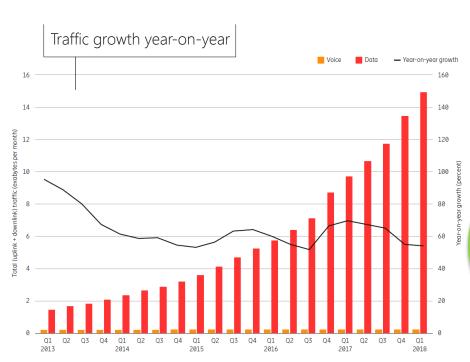


Global Mobile Broadband Facts

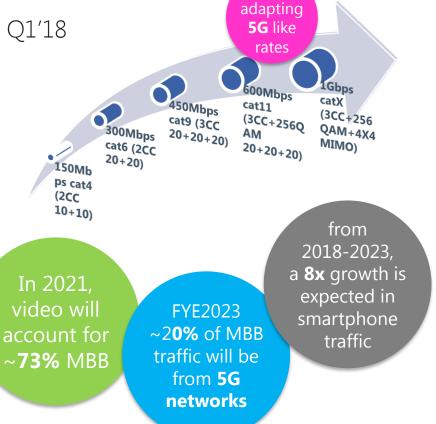
Mobile Traffic Outlook & Data Rates Evolution



54% mobile data traffic growth from Q1'17 to Q1'18



source: ERICSSON mobility report - November 2017



4G+ is







Capacity & reliability

New business models





Energy efficiency security

5**G**

4G

3G

2G

Business Enabler

High performance mobile broadband

Multimedia and basic mobile broadband

Digital communication and mobility

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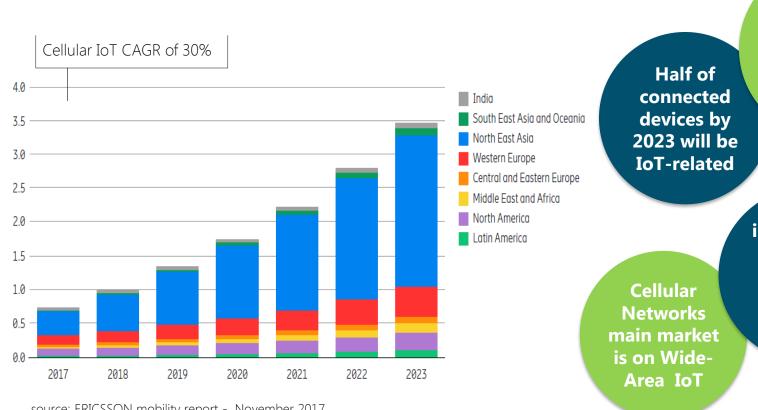


IoT market outlook

3.5 billion cellular IoT @ 2023



Cellular IoT



connections expected to go x5 by 2023

> **Cosmote** included in the twenty networks commercially deployed by Eo2017

source: ERICSSON mobility report - November 2017





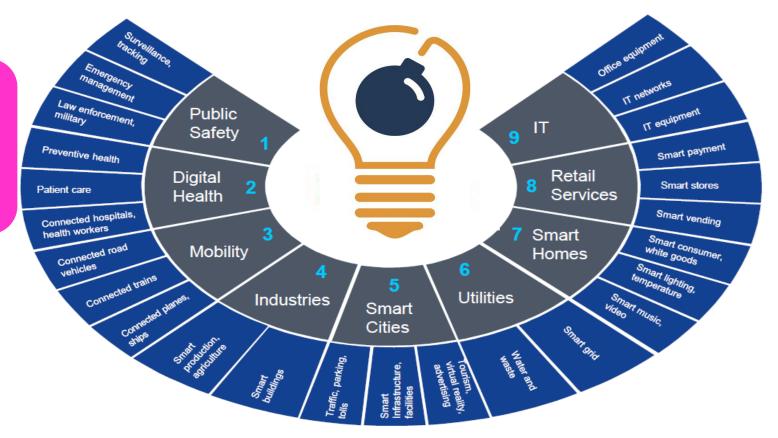
IoT industry re-shaping



Transformational impact in all industries, value chains & entire business configuration of COMPANIES

IoT transforms:

- business models
- value chains
- business config's



source: Nokia

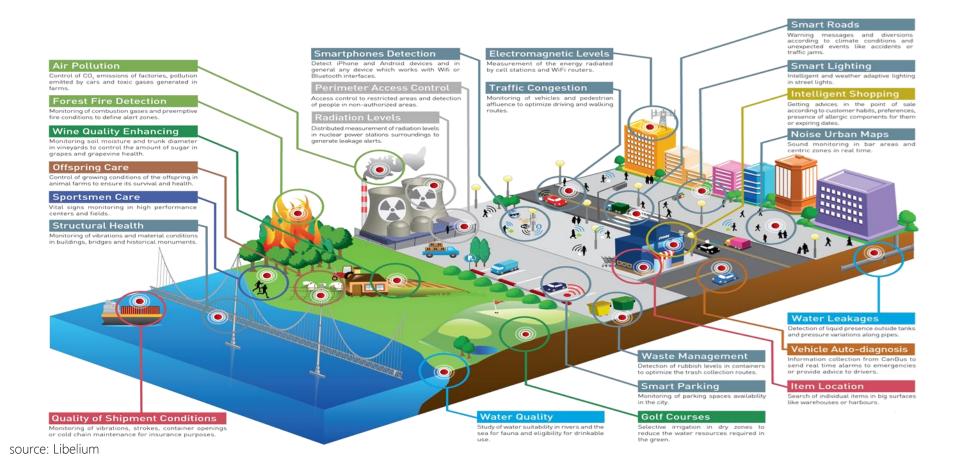




ToT hot apps



smart city - smart environment - smart industry - smart agriculture - smart business





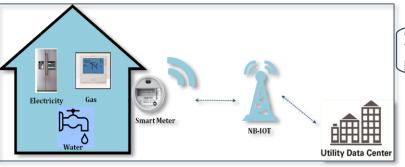


IoT hot apps - Public

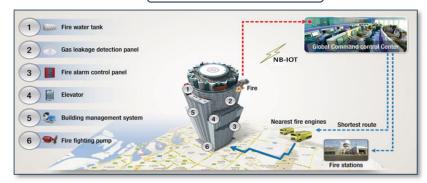
Typical applications & use cases

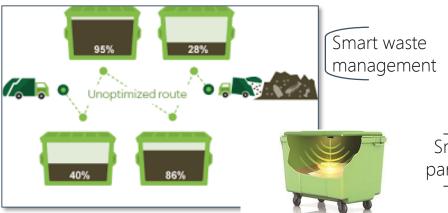


Alarms & Event Detectors (safety)

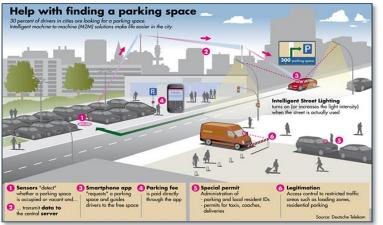


Smart metering





Smart parking





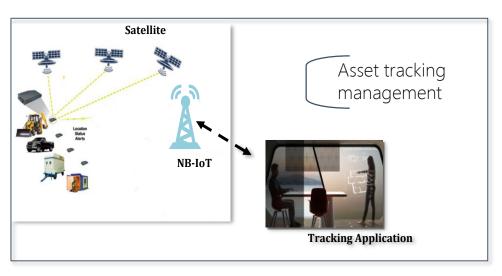


IoT hot apps - Industry

Typical applications & use cases







Logistics tracking

Smart agriculture

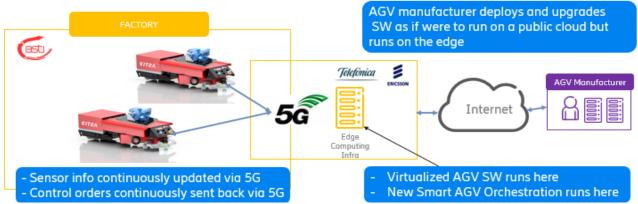


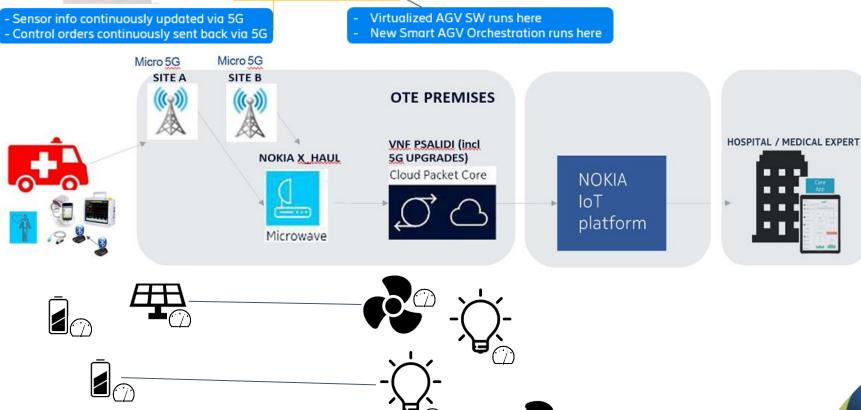


IoT hot apps - Personal

Typical applications OTE labs





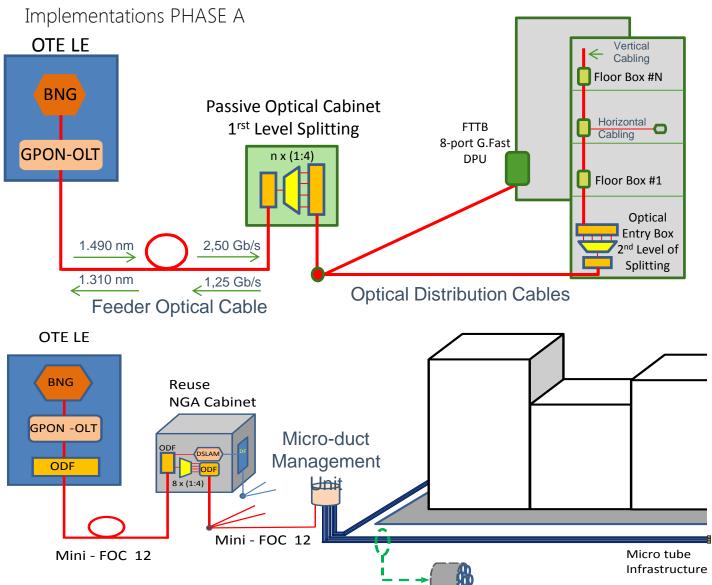






FTTH/ FTTB / FTTC





In NGA Areas covered by FTTC+VDSL infrastructure
From 8 to 16 x 7/4mm

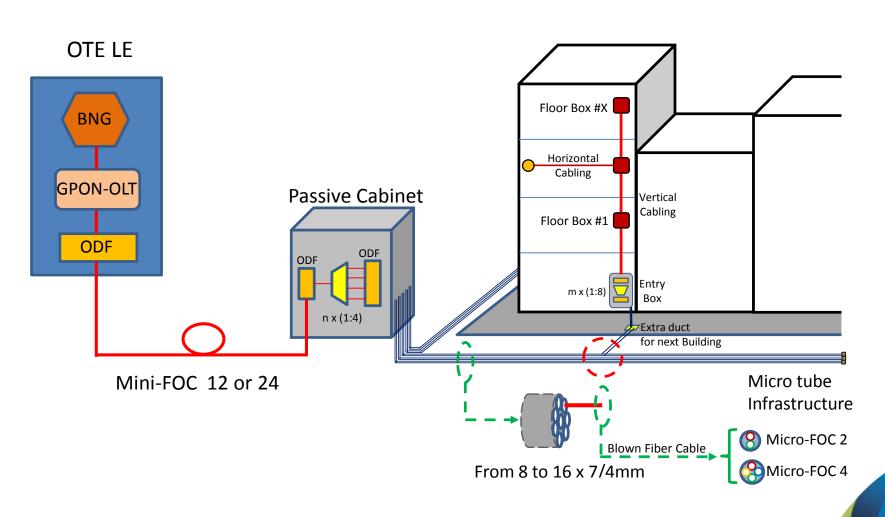




FTTH/ FTTB / FTTC

Phase B



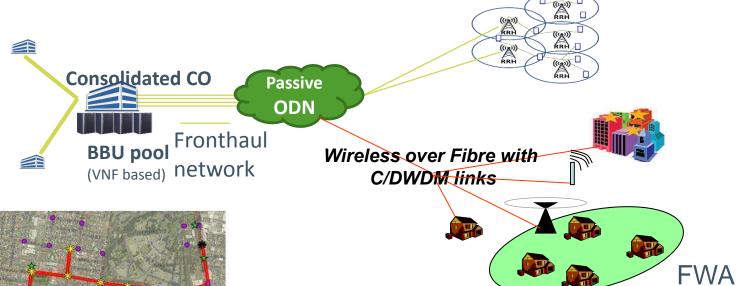






Wireless Fiber at 60GHz





 Fixed wireless access in high frequency to create hot spots and also give access inside houses

Conclusions

Key messages



- Starting as a mobile evolution, 5G will become a revolutionary enabler
- 5G will enable new functionality for people, societies, business & industries
- 5G will facilitate the deployment of huge numbers, applications of M2M and IoTs
- Fiber and 5G will work together

The new era is starting just now!







Thank you

Q & A