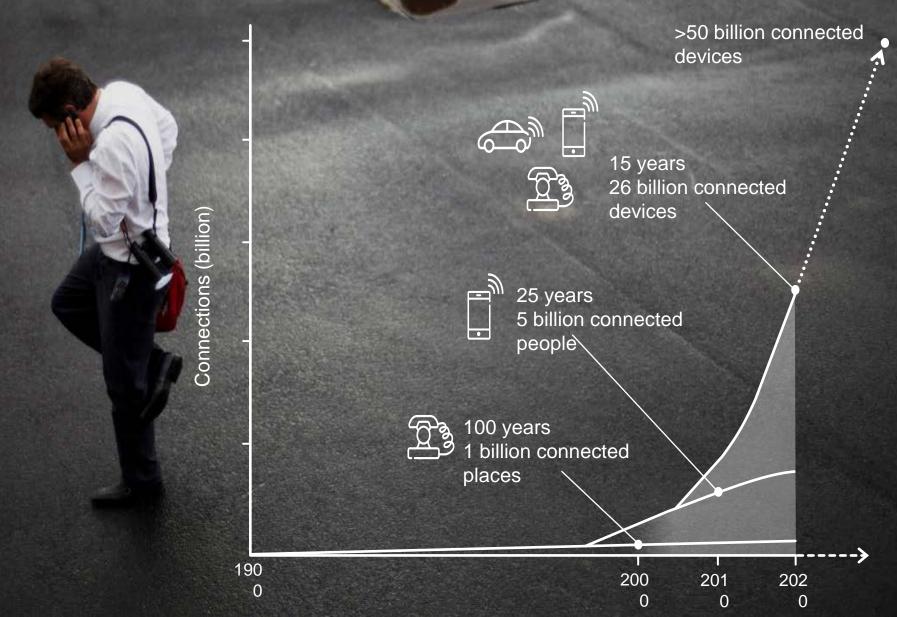


PACE OF CHANGE







ERICSSON AS A PARTNER





37,000

Patents

25,700

R&D employees

36 B. SEK

In R&D

1 BILLION

Subscribers managed by us

2.5 BILLION

Subscribers supported by us

65,000

Services professionals

228 B. SEK

Net sales 2014

180

Countries with customers

118,000

Employees

NETWORKED SOCIETY IS FORMING

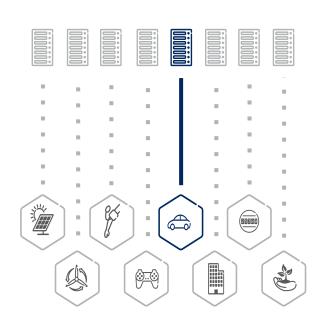


CREATING VALUE FOR BUSINESS, PEOPLE & SOCIETY

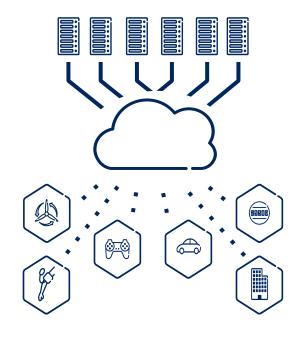


FROM SILOS TO STANDARDIZED PLATFORMS AND CLOUDS





In IoT, apps drive business & ecosystems create value



- Stove Pipe Solutions
- Point-to-point Connections
- Devices & Connectivity
- Internal Business



- Driving Innovation
- Ecosystem partnering
- Design with flexibility
- Automation for scale

TELEMATICS IS EVOLVING



Customer value



Subscription based



Telematics 1.0

OEM value



OEM funded

CRM & Customer Interaction



Telematics 2.0

Generating value by connecting the eco system





Variable business models

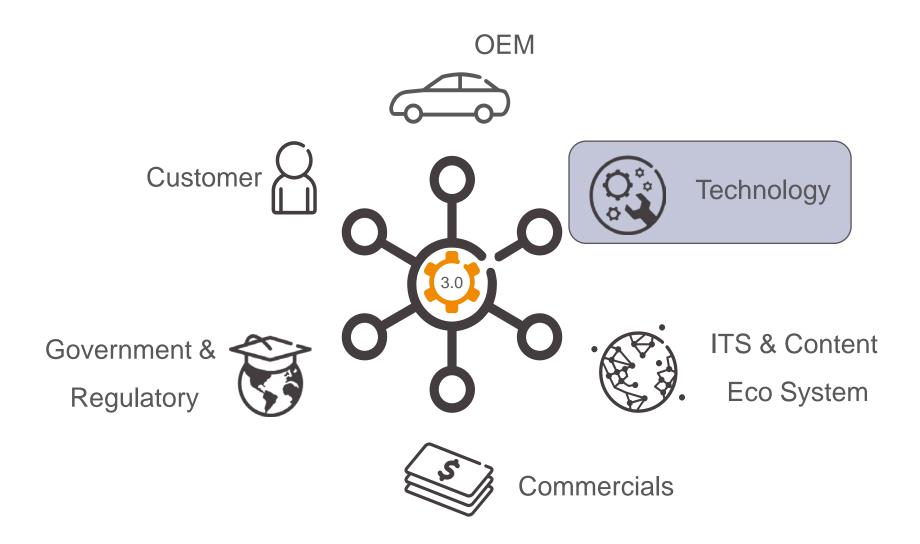




Telematics 3.0

TELEMATICS 3.0 - THOUGHTS





TECHNOLOGY

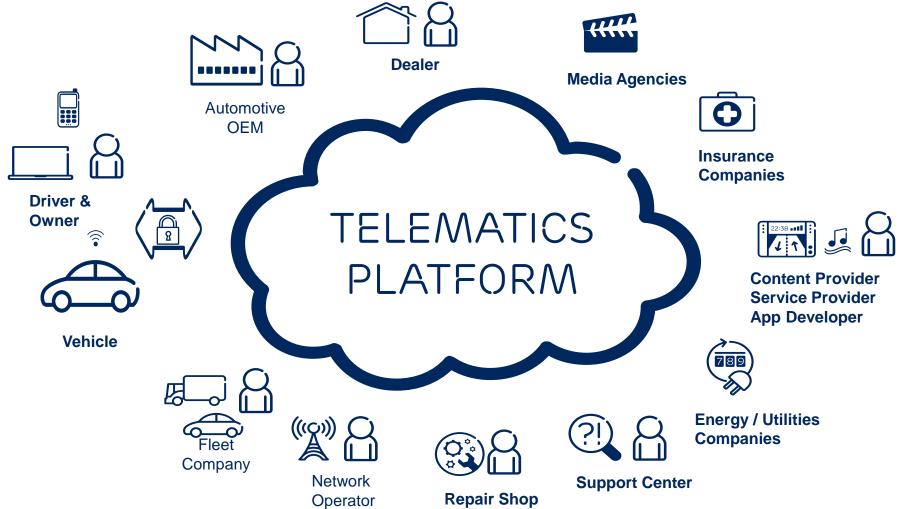




- Cooperative "Cloud" Environments
 - How to connect a de-central
 OEM infrastructure with others
 - E2E security across industry silos is a "must have"
- V2X enables new services capabilities
 - V2I LTE & 5G technology support new service requirements (e.g. real time)
 - 802.11p, DSRC, ITS ETSI G5 provide a way forward for V2V, but some questions remain

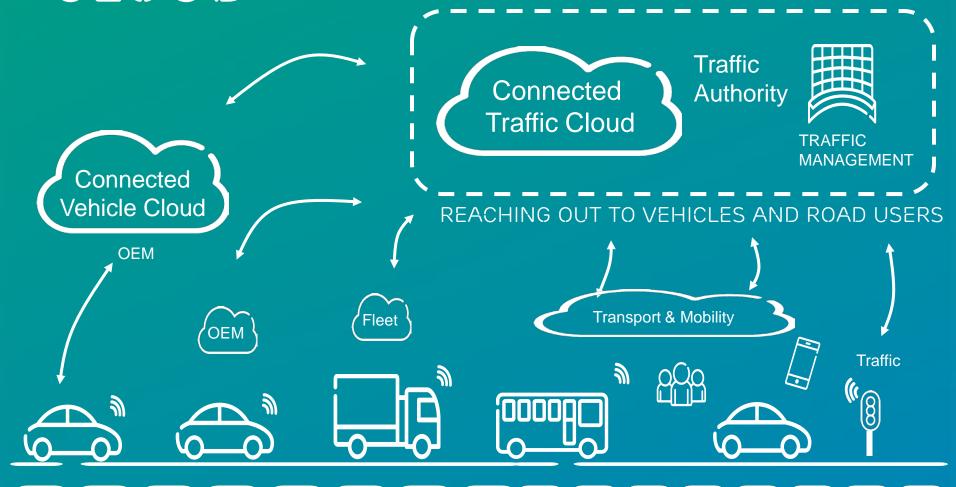
CONNECTED VEHICLE CLOUD





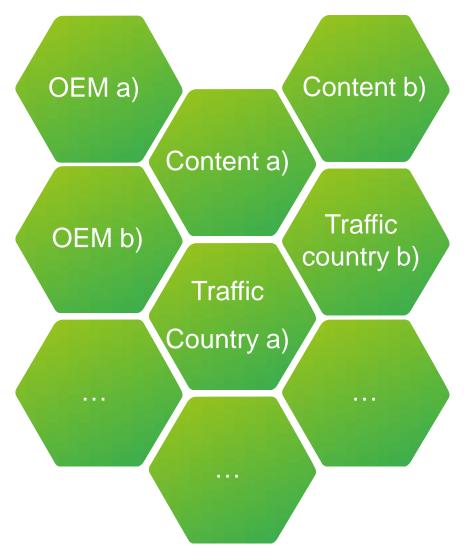
CONNECTED TRAFFIC CLOUD





INTEGRATION NEED LEADS INTO COOPERATIVE CLOUDS





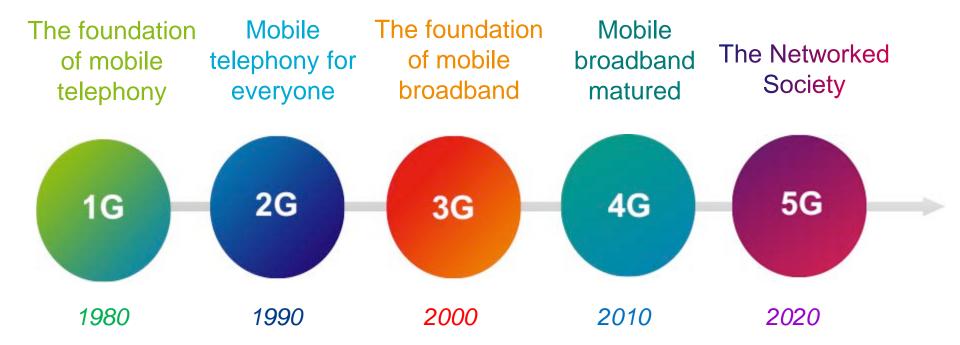
Decentralized

Multi-country, cross-border and cross-authority deployment, with aggregation platforms

- Cross-Domain Interactions
 e.g. Road traffic data, OEM &
 extended eco system
- Controlled
 Security, code of conduct, policy enforcement needs some alignment

WIRELESS ACCESS GENERATIONS





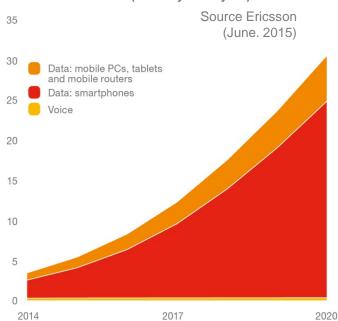
Non-limiting access to information and sharing of data anywhere and anytime for anyone and anything

ERICSSON MOBILITY REPORT ON THE PULSE OF THE NETWORKED SOCIETY



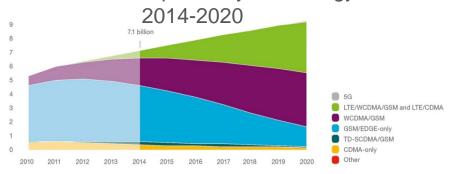
http://www.ericsson.com/ericsson-mobility-report

Global mobile traffic (monthly ExaBytes)

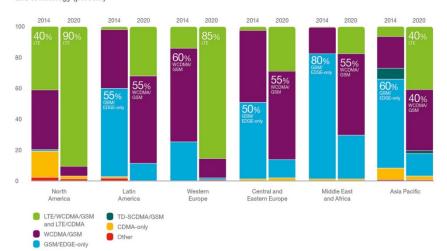


Global mobile traffic: voice and data, 2014-2020

Mobile subscriptions by technology,



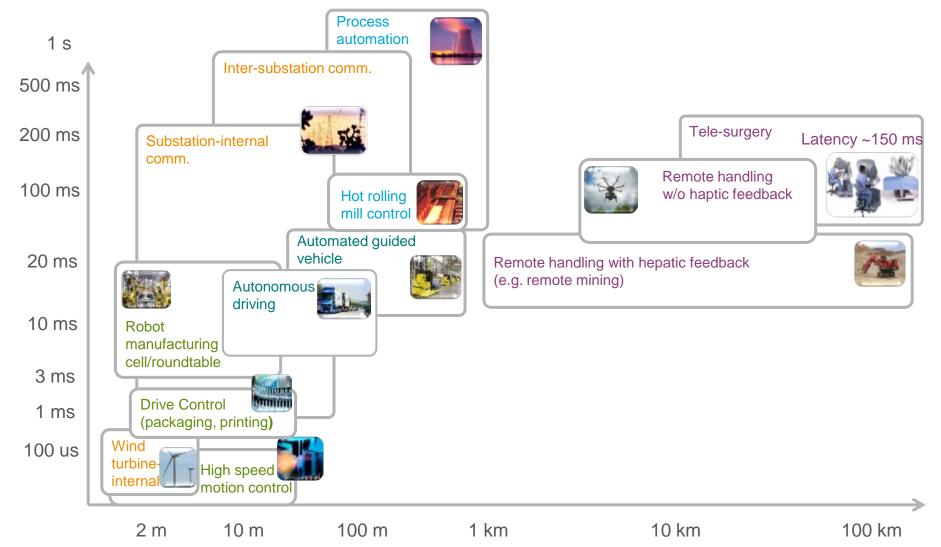
Mobile subscriptions by region and technology (percent)



CRITICAL MTC

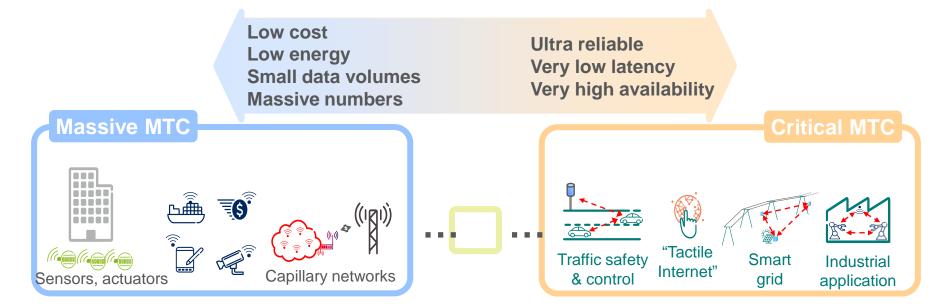


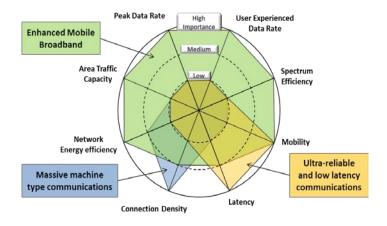
Communication Distance vs. Latency



RANGE OF REQUIREMENTS

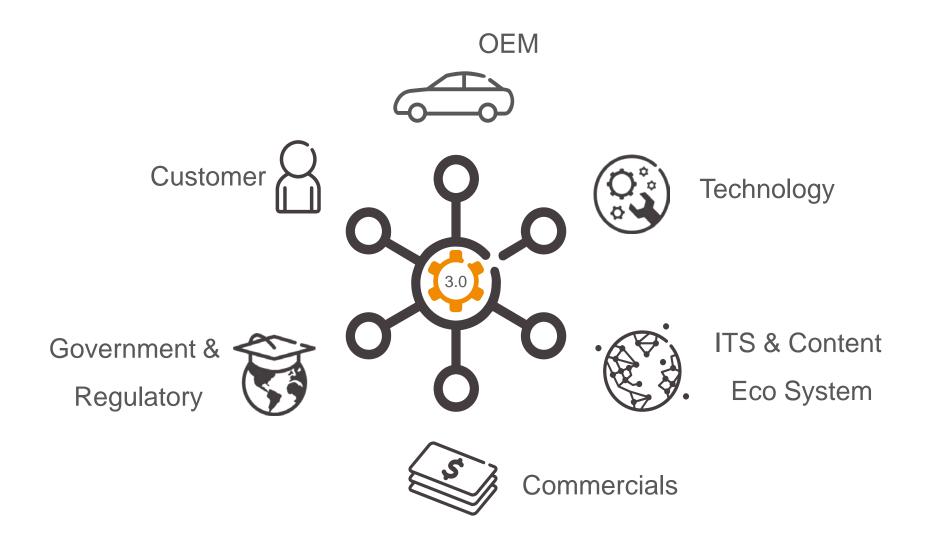






TELEMATICS 3.0 - MOTIVATIONS





OEM MOTIVATIONS

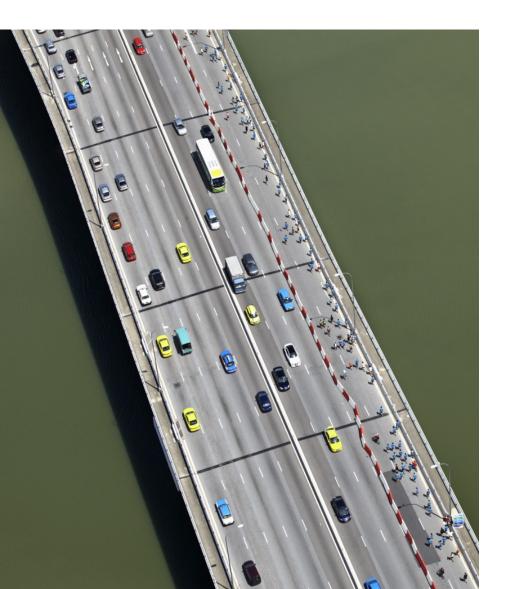




- Speed and innovation of new services
- Maintain control and ownership of customer intimacy
- High-quality, secure solution to avoid warranty costs, liability claims and brand damage
- > Future business models might change
- Question existing business models and fill new business models before someone else does (protect business)
- Support OEM core business!

ITS & CONTENT ECO SYSTEM MOTIVATIONS





) ITS:

- Make traffic smarter, better, safer, more efficient
- Solution needs to be e2e secure

Content:

- Generate value from existing content, generate new content
- Establish new business models
- › Google, Apple, Uber, etc.
 - Get access to user data and monetize it
 - Establish new disruptive business models

COMMERCIALS





- Who will fund such a system?
- Do we believe in a central approach?
- Do we believe in involvement of public authorities on the business side?
- How to share the investments through all parties?
- Central global funding is unlikely

CUSTOMER MOTIVATIONS 💥 📁





- Wants value through better services and functions
-) Best possible service for a good price
- > But: What a customer values is variable and will change over time

GOVERNMENT & REGULATORY





- The industry would benefit from a global standard and legal framework but that's not likely to happen in time
- Lack of clarity around many regulatory topics – especially on global level
- The industry cannot sacrifice competitiveness by waiting for standards or regulations

TELEMATICS 3.0 CONCLUSIONS



- Standardization will not be sufficient to enable a cross industry cooperative system based on different motivations of the parties and mismatch of innovation speed
- But some standardization is needed and existing (e.g. 3GPP, 802.11p, ...) as baseline for cooperation
- New Technology (e.g. 5G, sensors, cloud, ...) enable new service capabilities in balance with commercial reality

TELEMATICS 3.0 - PROPOSED FOCUS FOR OEMS



Execution paradigm

- Global reach
- Flexibility & interoperability
- Reuse building blocks and use of existing enablers and technology -> reduce time to market
- Agile working model (not waterfall)
- Scalability and robustness
- Start to build aggregated industry islands that makes commercial sense and agree on security concepts and code of conduct
- Those islands then can be aligned and connected with other consortiums to build a global cooperative environment



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