

ERICSSON AT A GLANCE



NETWORKS

Create one network for a million different needs

Transform IT to accelerate business agility

MEDIA

Delight the TV consumer every day

INDUSTRIES

Connect industries to accelerate performance

39.000 Patents
24.000 R&D Employees
32,8 BSEK In R&D

1 BILLION

Subscribers managed by us

2,5 BILLION

Subscribers supported by us

66.000

Services professionals

223 BSEK

Net Sales

180

Countries with customers

111,000

Employees

ERICSSON IN ITALY



1918

Founded

•

Sales in Ericsson Group

100

Patents in the last 2 years

4000

Employees 2016

26

#4

EGO Program Startups 3

R&D Centers

1978

R&D Established

2

Pride SPA and Vodafone FLM latest acquisitions

5G

5G for Italy

5G NETWORKED SOCIETY



INDUSTRY TRANSFORMATION UNDERWAY







CONNECTED DEVICES

IN 2022

29 BILLION

Ericsson Mobility Report, November 2016



3 BILLION IN 2016

3 BILLION IN 2016

PC/TABLET/LAPTOOP/FIXED PHONES

7,3 BILLION IN 2016

18.1 BILLION IN 2016
IOT DEVICES





21% YEARLY GROWTH RATE FOR IOT DEVICES



1.5 BILLION CELLULAR IOT DEVICES IN 2022



BROADBAND AND MEDIA EVERYWHERE





SMART VEHICLES, TRANSPORT



CRITICAL SERVICES AND INFRASTRUCTURE CONTROL



CRITICAL CONTROL
OF REMOTE DEVICES



HUMAN MACHINE INTERACTION



SENSOR NETWORKS

WIDE RANGE OF CHARACTERISTICS

10-100X Connected Devices

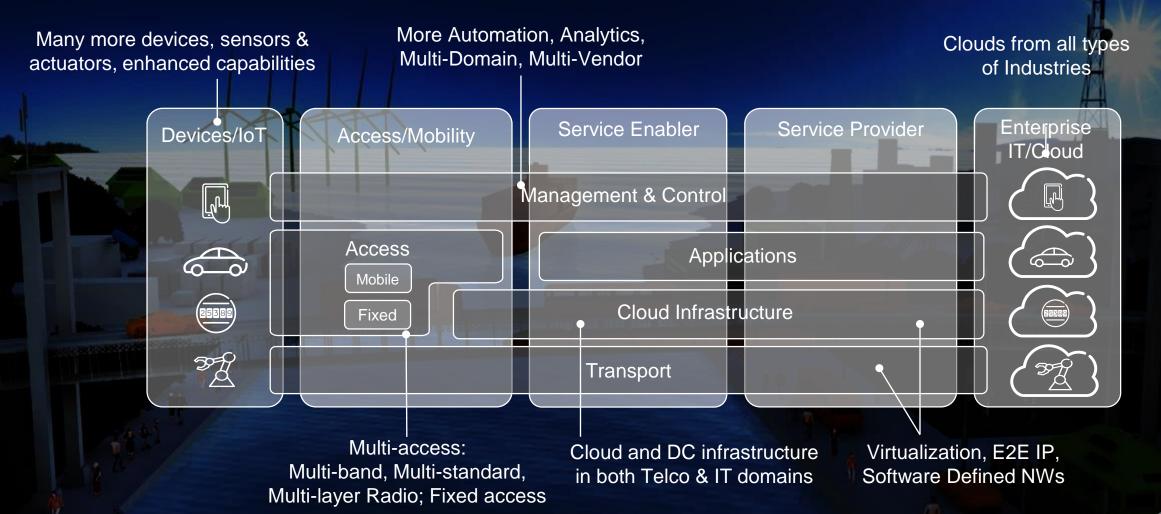
USE CASES

10 years
Battery Life

1 ms Low Latency 10-100X End-user Data Rates 1000X Mobile Data Volumes

COMMON 5G PLATFORM





Energy efficient

Devices and Network

Embedded security, Identity Management, Advanced Cryptography

5G RADIO ACCESS 2020

Ultra-Lean Design





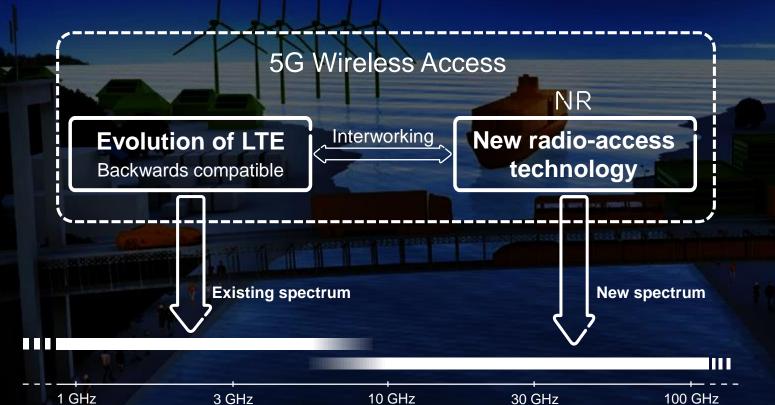




Very low latency and ultra-high reliability

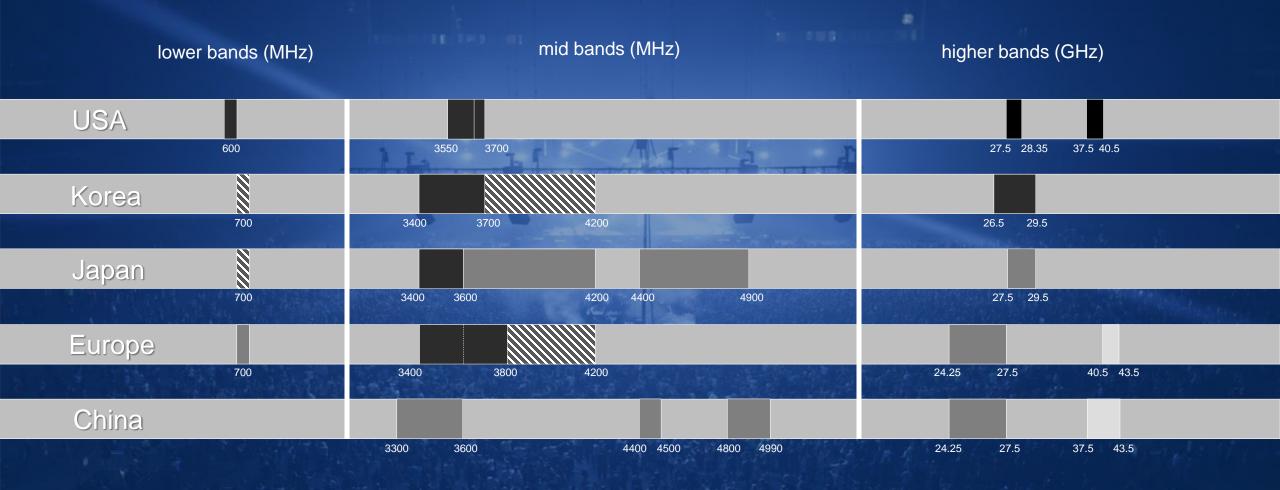
Beam Forming





THE SPECTRUM CHALLENGE











NETWORKED SOCIETY SECURITY NEEDS



Technology Drivers

5G

IoT

Industrial innovation

Key Challenges



New trust models



New service delivery model



Evolved threat landscape



Increased privacy concerns

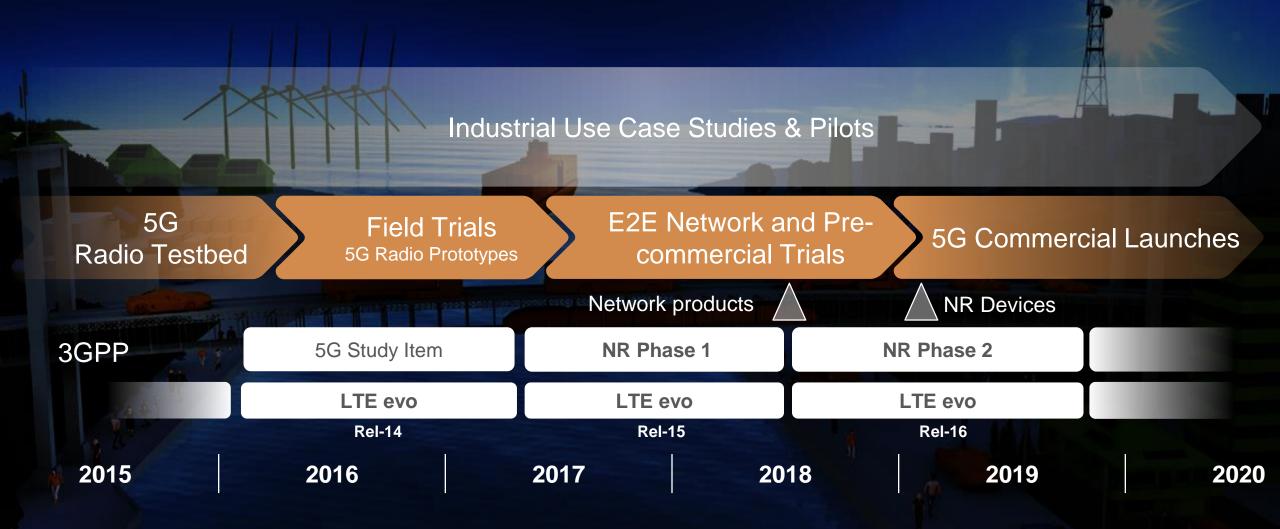
A multi-stakeholder approach is fundamental for 5G security baseline

Network slicing seen as way to provide isolated sub-networks

IoT authentication and transport layer security

5G ACCESS TIMEPLAN





5G GLOBAL DEVELOPMENT





ENGAGEMENT WITH INDUSTRY & SOCIETY





5G for Sweden

- 5G program with industry and academic partners
- Apply ICT in industrial processes, products & services
- Pilot for industrial mobile communication in mining

5G for Europe

- Delivering research, innovation and industrial pilots enabled by 5G
- Including transport and automotive, IoT, utilities, public safety, public infrastructure and retail
- > 7 countries and 10 institutions

