

INNOVATIONS IN INTELLIGENT TRANSPORTATION



ERICSSON AT A GLANCE



NETWORKS

Create one network for a million different needs

Т

Achieve business agility with Transformative IT

MEDIA

Delight the TV consumer every day

INDUSTRIES

Connecting industries for business acceleration

39,000 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

246.9 B. SEK

Net Sales

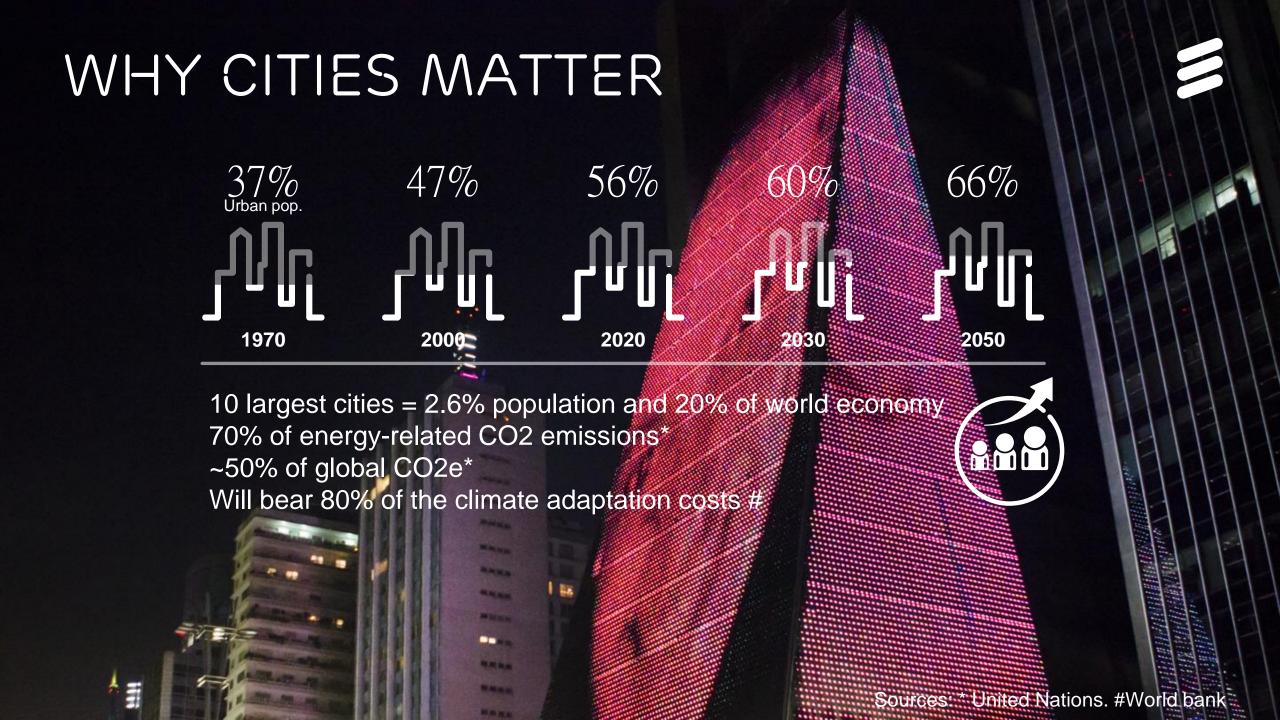
180

Countries with customers

115,000

Employees





CITIES CHALLENGES



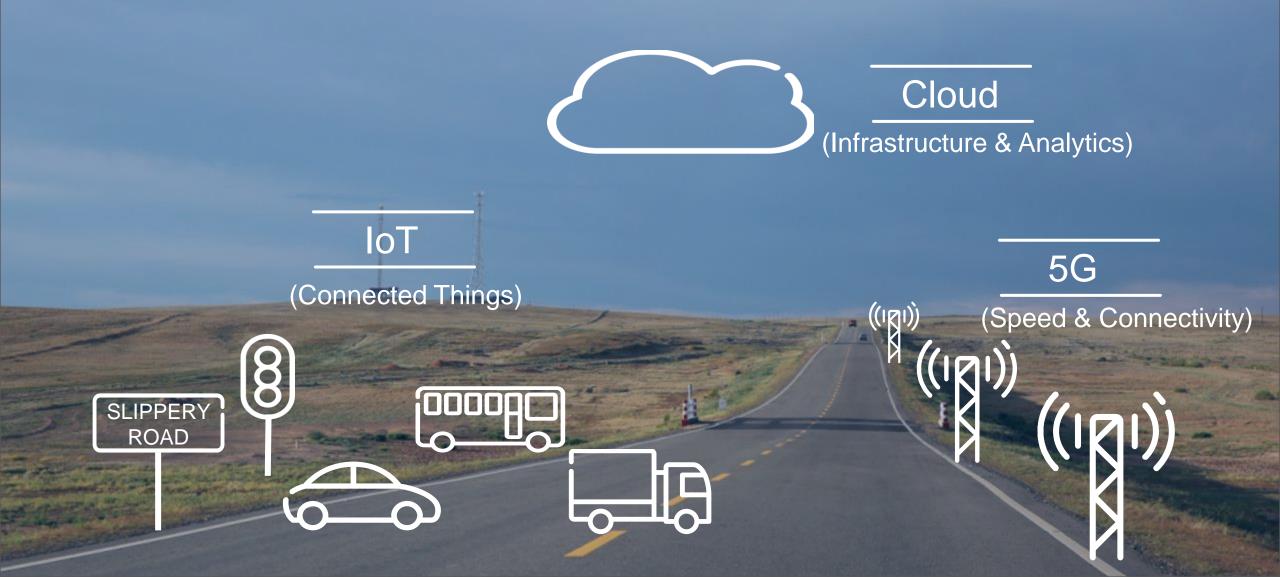






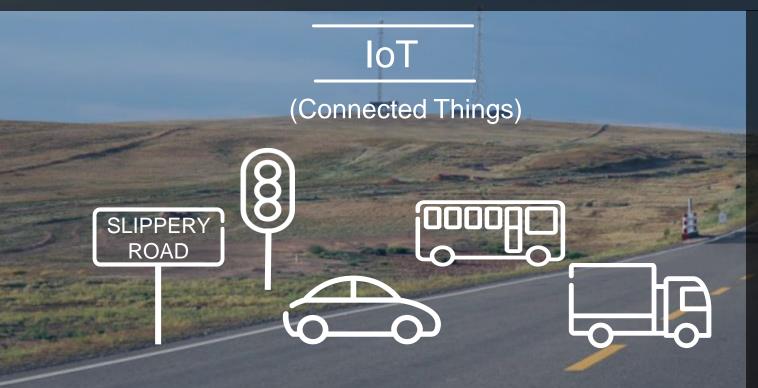














CONNECTED CAR

THE RESULT

- > Allows Volvo Cars to add new functionality throughout the life cycle of the car
- > Live since 2013
- > Available in 160 markets with 500,000+ cars
- > Recognized with 15 Industry Awards in Telematics, M2M and Infotainment



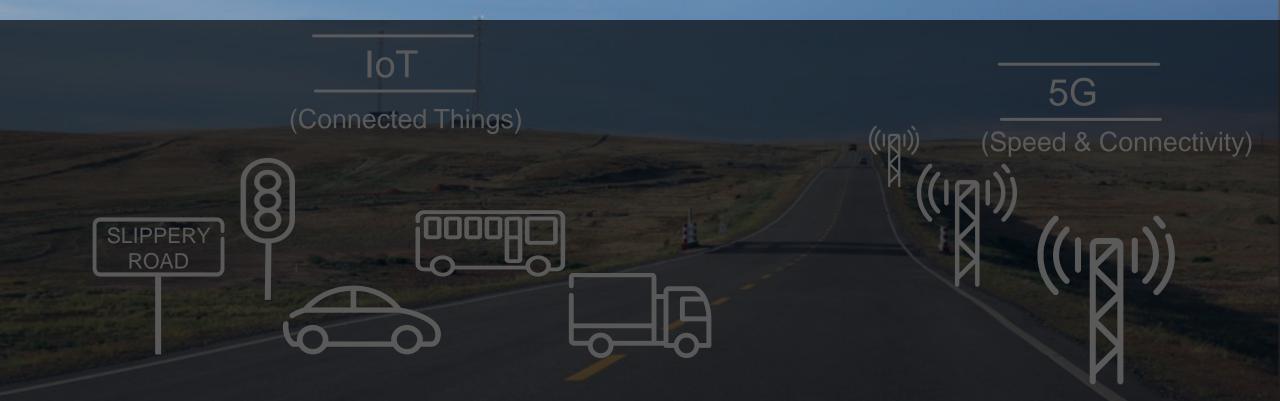












TRAFFIC AUTHORITY REACHING OUT





Roadside



Aftermounted



Smartphone



Fully integrated



CONNECTED TRAFFIC CLOUD





Built on insights from leading C-ITS projects:

- Converge Germany
- Drive Sweden

COCARX AND CONVERGE

R&D AND DEMONSTRATION PROJECTS, GERMANY

THE RESULT

CocarX

 Developed and demonstrated Cellular Cooperative ITS, and tested performance in 3G and LTE.

Converge

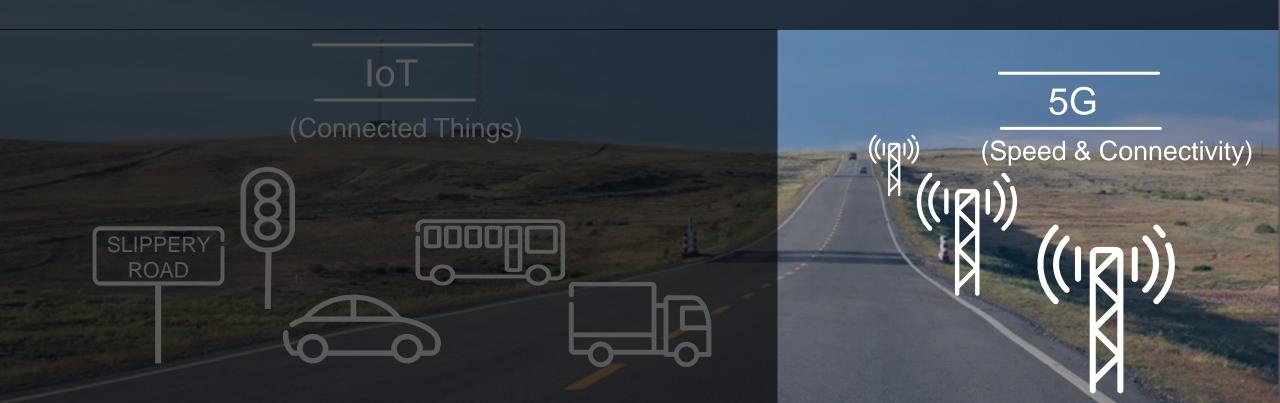
 Developed and demonstrated a decentralized and scalable architecture for Cooperative ITS.

Partners involve Road Authorities, vehicle manufacturers and mobile operators.



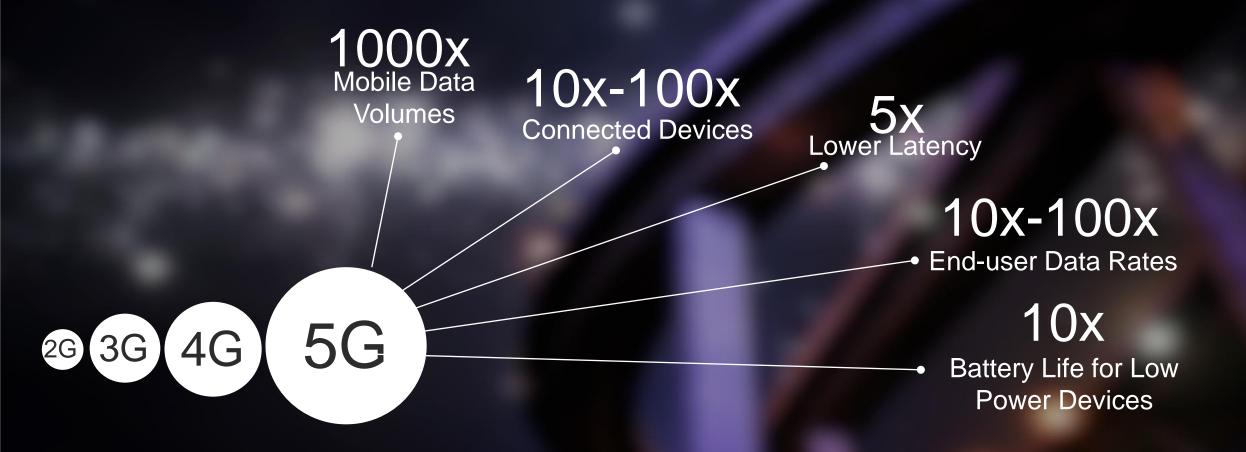






EVOLUTION TOWARDS 2020





CREATING A PLATFORM FOR THE INTERNET OF THINGS



Massive scale



- **Massive numbers**
- Low cost, low energy

metering

Small data volumes





Different requirements of connectivity

Critical processes



- **Smaller numbers**
- Ultra reliable, high availability
- **Very low latency**



BENEFITS WITH PLATOONING

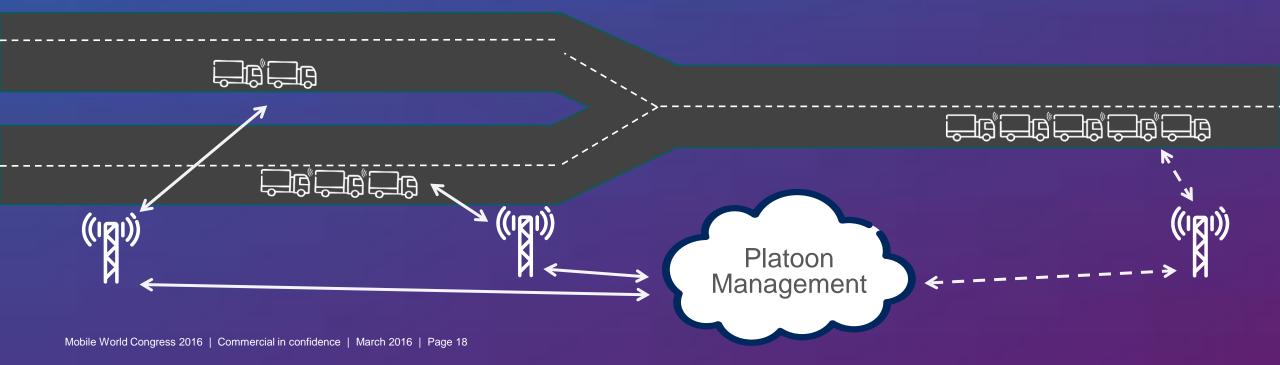


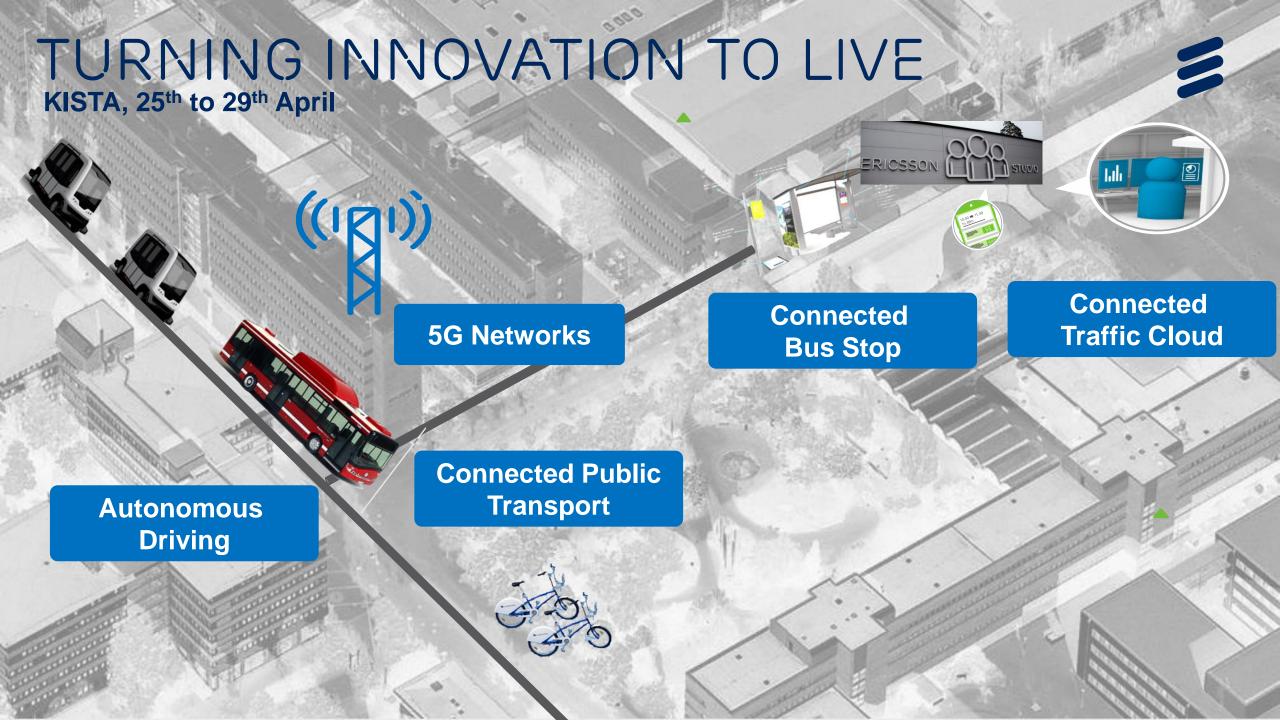
Platooning: Very short distances between vehicles

- only the first driver in active driver mode
- reduced stress on other drivers
- reduced cost and carbon footprint
- direct mode V2V for intra-platoon operation

V2I plus Cloud and knowledge management enables offboard platoon management, for example:

- creation and disassembly of platoons
- rearranging vehicles between platoons
- efficient traffic management with platoons





KEY TAKEAWAY



CONNECTED





AUTOMATED







