



Ericsson roundtable

Transforming  
transportation with  
5G connectivity



# Agenda



- 10:00 -10:05  
Welcome
- 10:05 – 10:30  
**Magnus Gunnarsson**  
Head of Products, Ericsson Connected Vehicles
- 10:30 – 10:45  
Q&A

# Transforming transportation with 5G connectivity



## Magnus Gunnarsson

Head of Products, Ericsson Connected Vehicles

Presentations:

10:00 – 10:30

Q&A:

10:30 – 10:45

Ask a question:

Type your question in the chat. We will address them in the Q&A section.

Welcome!

# Transforming transportation with 5G connectivity



Czech Media Brief  
September 23<sup>rd</sup>, 2021

Magnus Gunnarsson  
Head of Products, Ericsson Connected Vehicles



# A vision based in reality



5 years ago

Autonomous drive  
just starting

Connectivity in  
supporting role

Only enhancing  
existing functions



# A vision based in reality



## Today

Operational electric  
autonomous vehicles

Fully connected  
ecosystem

Connectivity  
at the core



# Ericsson at a glance

As a world leader in ICT and 5G:

180

Countries with customers

100,800

Employees worldwide

26,000

Dedicated to R&D

57,000

Granted patents

232

BSEK in sales

2030

Carbon neutral own operations





# CARE



## **Connected**

Connected vehicles are in the center of the transportation ecosystem

## **Automated**

Self-driving vehicles are changing our cities and societies

## **Redefined**

Business models are being created — now's your chance to act

## **Electric**

Cleaner energy leads to cleaner transportation and cleaner cities



# 5G and the connected vehicle

- On average 1 million new 5G subscriptions added every day during 2021
- 5G designed for IoT - The Internet of Things
- New technologies with 5G: Edge Compute, Network Slicing, Predictive QoS
- Bandwidth, latency, control
- C-V2X is part of the 3GPP roadmap. (Rel:14 fwd)
- Synergies between the automotive and other 5G verticals like Industry 4.0, Smart Cities, Health



# Connectivity made easy for self driving trucks

## Einride – transforming the logistics chain

- Increased transportation demand around the world
- Transportation accounts for 21% of global emission
- Driver supply cannot cater for increased demand – 50k driver shortage in US alone

## Connected Automated Transportation solution for DB Schenker

- A complete connected autonomous transportation service
- The world's first operational fully autonomous electric truck on public road
- Ecosystem partnership essential for success - Einride, Ericsson, Telia and DB Schenker

## Ericsson:

## 5G connectivity and Connected Vehicle Cloud orchestration

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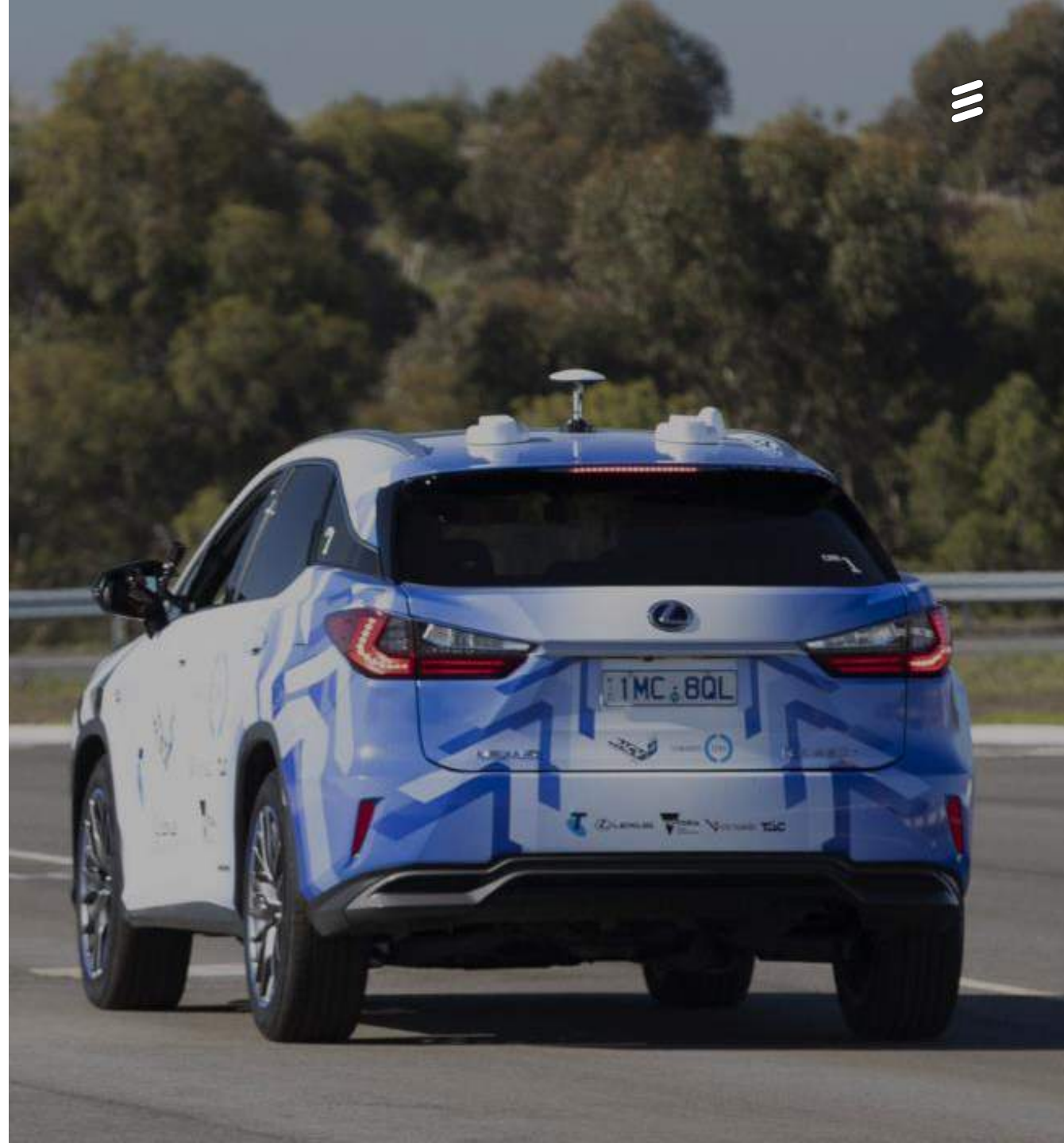
# Managing complexity with Telstra & Lexus

## Connected Safety in Victoria

- Establish advanced connectivity technologies on VicRoads' highest focus safety issues
- First Converged V2X Network Platform with interaction from road authority, road operator infrastructure and vehicle OEM data
- Safety use cases demonstrated 2020, world first on cloud based C-V2X

## Ericsson:

Connected Vehicle Cloud; LTE advanced; Edge compute



# Enabling innovation with Veoneer

## **Veoneer - building trust in mobility**

- As Veoneer expands offerings related to advanced driver assistance systems (ADAS) and Autonomous Driving (AD) capabilities, vehicle connectivity becomes an essential part of the recipe for safer mobility.
- Veoneer offerings are enabled and enhanced by Ericsson's connectivity and cloud capabilities.

## **Ericsson:**

- Robust “5G ready” connectivity for Veoneer ADAS & AD solutions
- Trusted “V2X ready” cloud platform for Veoneer services and offerings





An aerial, top-down view of a city street intersection. In the center is a large, circular building with a white, tiered, spiral-like roof. The building is surrounded by a dark circular area, possibly a driveway or a plaza. Several roads radiate from this central area, with yellow dashed lines indicating traffic flow. Other buildings of various architectural styles are visible in the surrounding urban environment.

# Contact



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<https://www.ericsson.com/en/connected-vehicles>

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# Q&A





