



Baden-Württemberg – visit Bærum

Thursday 18th January 2018

There are several challenges to solve within transportation



Commuters in cities use more than 100 hours yearly in car jams



20% of CO2 emission from transportation



25.000 dies yearly in traffic (EU)



Cars are not used most of the time

New solutions can make transport smarter, cleaner and safer

Autonomous driving



Cooperating systems



Mobility as a service (Maas)



Electrical vehicles

Autonomous driving will make personal and public transportation better



Better personal transportation

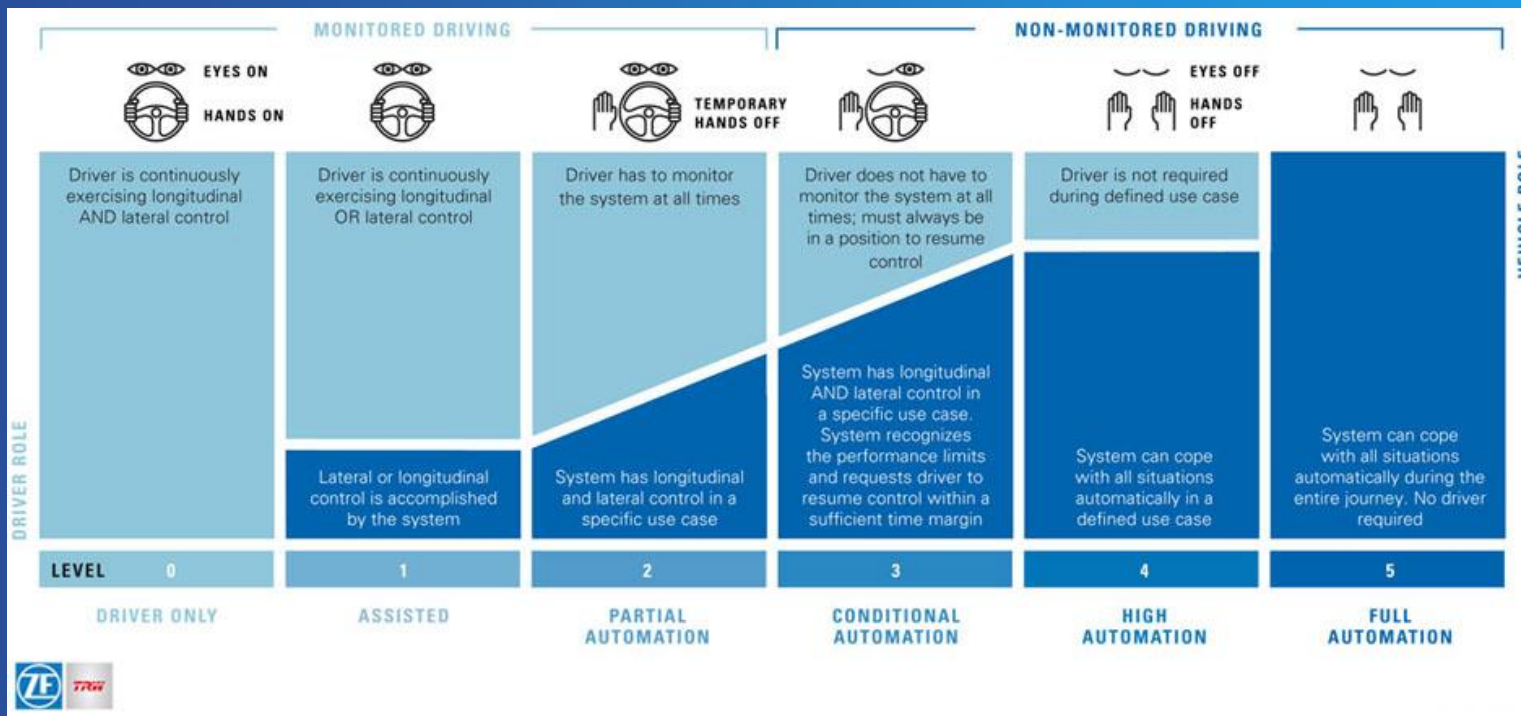
- Safer
- Faster
- More comfortable



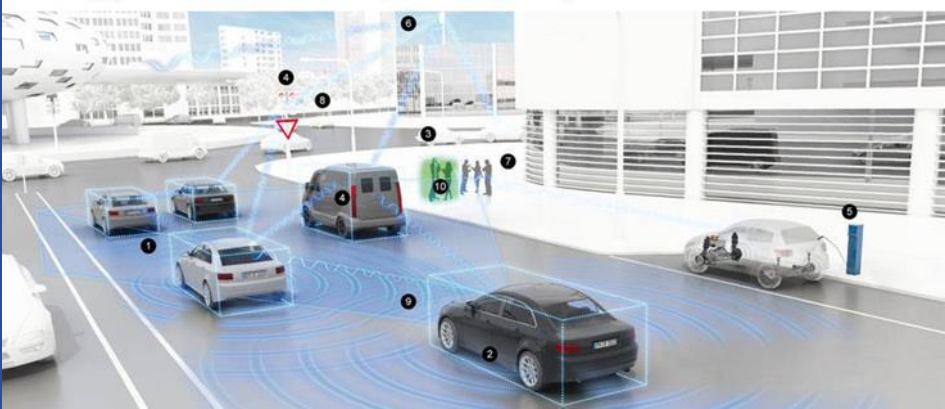
Better public transportation

- Better service offering
- More frequent and regular
- More effective

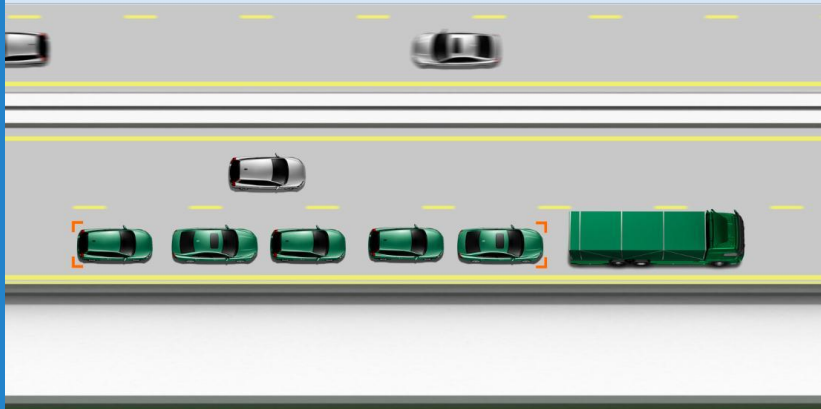
Autonomous driving will improve over time



Full autonomous driving requires cars to communicate with each other and with the surroundings



V2X



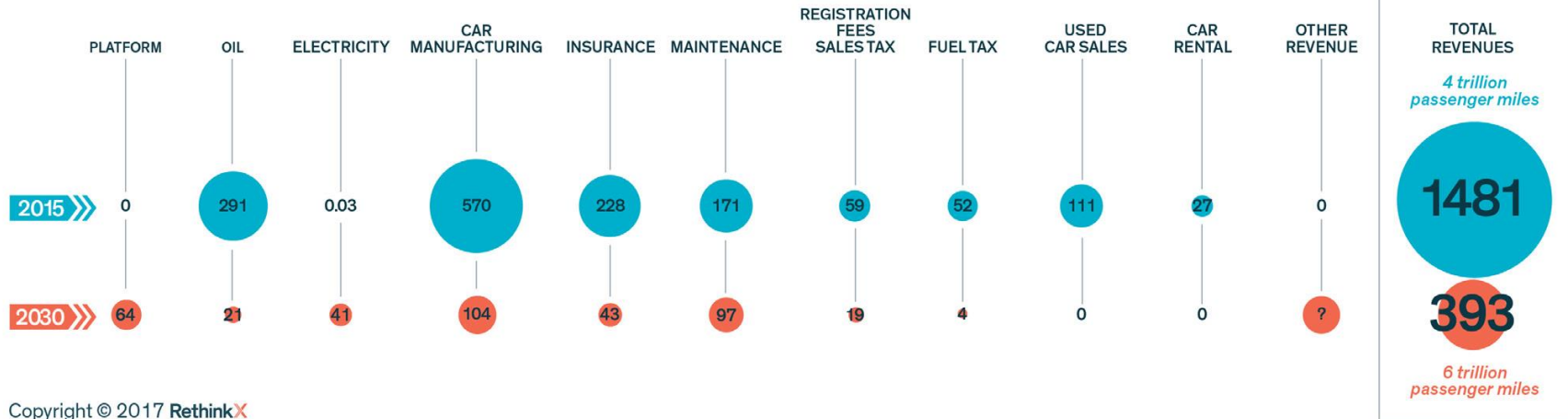
Platooning

With Mobility as a Service people can be transported effectively without having their own car



Autonomous driving and MaaS may disrupt the transport business

» Revenue distribution along the car value chain in billions of U.S. dollars

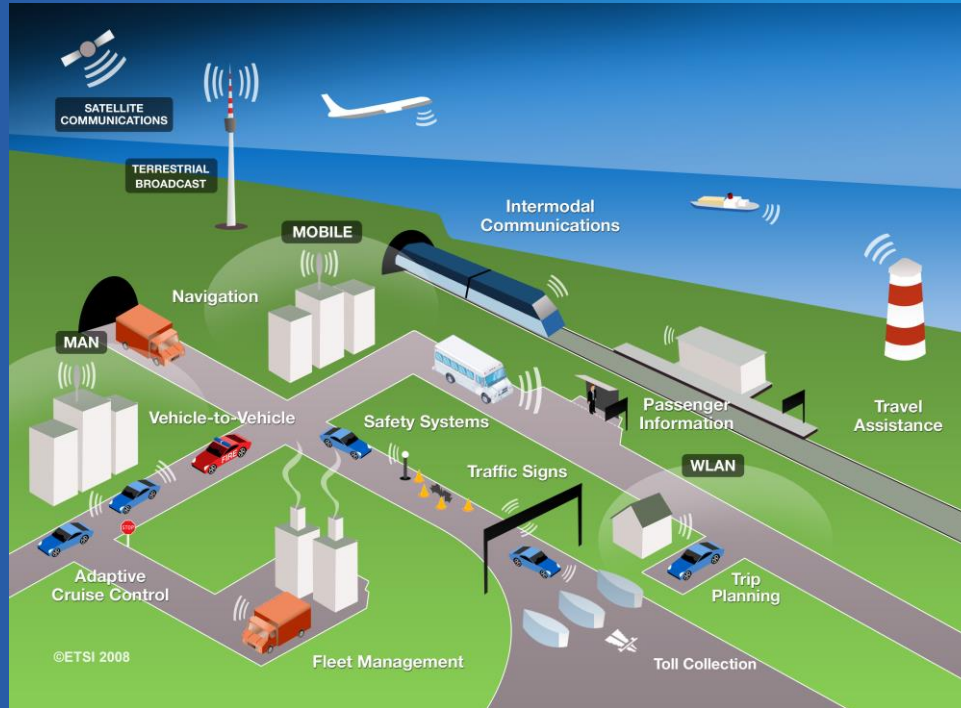


Copyright © 2017 RethinkX

And change the way we build road infrastructure



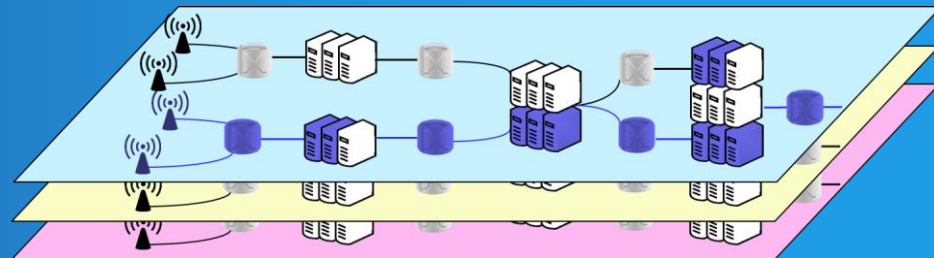
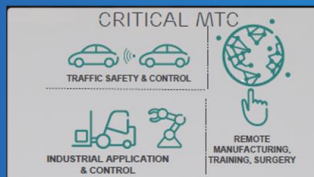
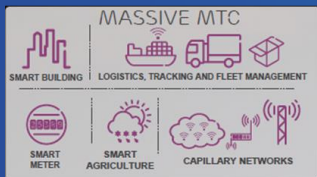
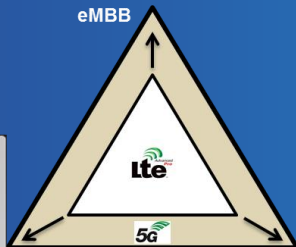
To enable the future transport system we need an Intelligent Transport Systems (ITS)



5G will be an enabler for an Intelligent transport system



eMBB



Low latency

High bandwidth

Reliability

Security

We shall run a 5G pilot in Kongsberg starting 2018

Industrial development



Research
Education

Public
services

Potential 5G use cases – work in progress

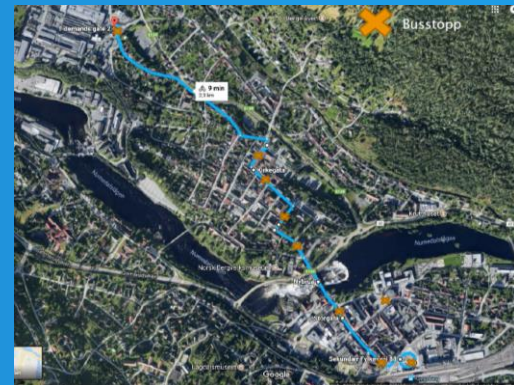
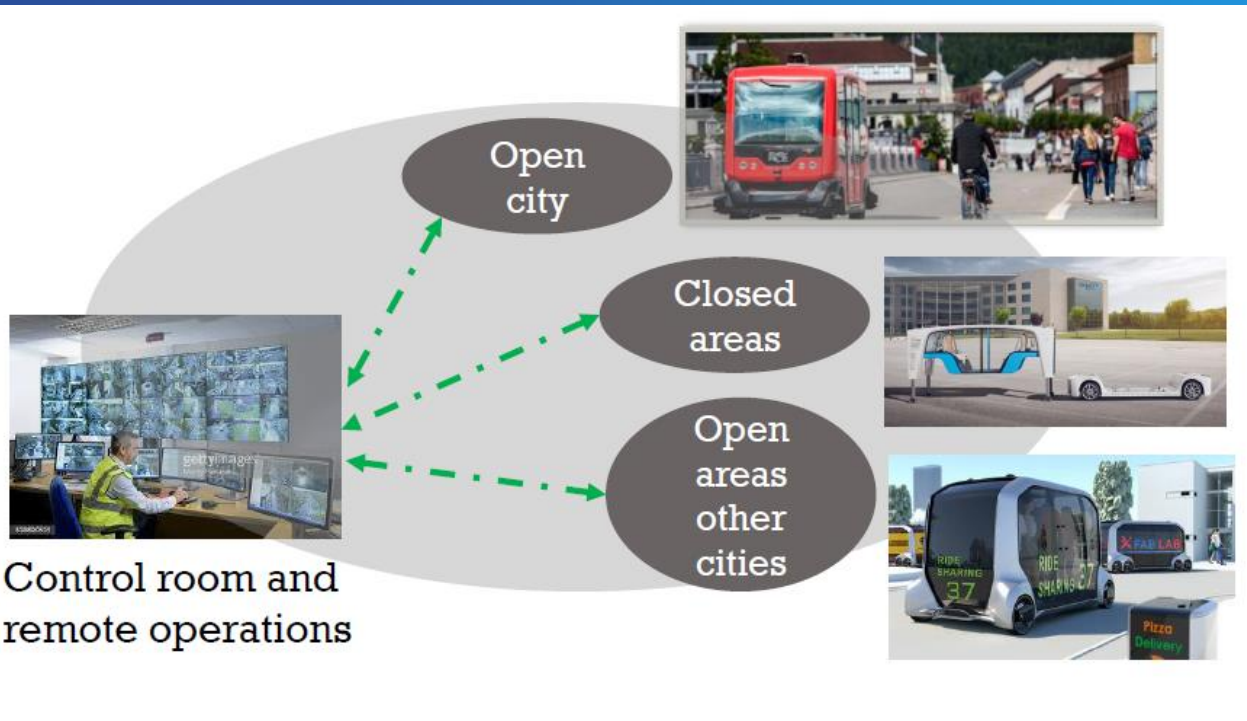


Plan pilot
1H 18

Run pilot
2H 2018--2019

4: Evaluate
2019

Kongsberg will be a test arena for autonomous driving



Thank you!

