The Swedish Transport system
Challenges

• Efficiency
• Competitiveness
• Sustainability
Some drivers for Sweden

Automotive industry – self driving vehicles

Telecom industry – IoT/Digitalization

Security/Safety industry – Robust solutions

Servizitation “industry”
... reverse the trend
We have done it before ...

Road fatalities and traffic volume 1956 - 2010
Focus on transport innovation

• Joint venture between industry, academy and government.

• Three sectors needs to cooperate and evolve together; energy, telecom & transport

• Increase the output of innovation from the transport system

• Identify the strategic R&I-areas in which Sweden should prioritize and focus its efforts.
A platform for strategic dialogue

1. Forum is a “dialogue platform” for developing a common Swedish innovation strategy for the transport sector
2. Based on the common strategy, the most promising innovation areas are defined
3. For each innovation area, concrete road maps are elaborated in dialogue between key stakeholders, specifying what needs to be done, when and by whom.
4. The road maps are implemented e.g. through facilitation of test- and demonstration projects.
5. Coordinate Swedish EU activities.
Innovation different levels
Members of Forum
Developed roadmaps

• High Capacity Transport – road (CLOSER)
• New fuels - methanol/DME (Stena/AB Volvo)
• Electrification of road transportation (Energy Agency/STA)
• Future solutions for Bus Rapid Transit (AB Volvo)
• Traffic management– intermodal perspectives (Viktoria ICT)
• Public Transport – increased availability (K2/VTI)
• Connected and cooperative transports (Ericsson/Volvo/Scania)
• City logistics (CLOSER)
Synergies between the roadmaps

Electrification
Citylogistic
Connected transport
New bus systems
HCT Rail
Alternative fuels
Traffic management
HCT Road
Public transport

Synergies between the roadmaps
Output from some roadmaps

• Pre commercial procurement of electric roads
• Strategic innovation program: Drive Sweden
  – www.drivesweden.eu short movie
• National Open Traffic Data platform
• BRT pilots in different cities
• Nordic Way 1 and 2 (CEF-project)
• OECD - High Capacity Transport study
• Methanol/DME ferry (Stena Line)
Pre commercial procurement of electric roads

- National Road Administration
- Pre commercial procurement of electric roads
- Two test sites in real traffic conditions
  - Gävle – overhead power supply
  - Arlanda/Stockholm – power supply from road
- Tests are in progress. Ends in 2018.
Strategic innovation program: Drive Sweden

The national government-sponsored cross-functional collaboration platform aiming at designing the next generation mobility system for people and goods; based on connected, automated and shared vehicles. www.drivesweden.eu

https://youtu.be/WmYsWYDQxUI
National Open Traffic Data platform

- Data from all publicly funded transportation
  - PTSs
  - National Road Administration
  - Citys
- Agree on common data sets
- Agree on common APIs
- The purpose is to facilitate the growth of exiting new mobility services.
- Coordinated with all activities in Sweden regarding the growth of MaaS.
Innovation Strategy for Swedish Transport Sector

Co-operation  Focus  Prioritize