Why do Swedish Transport Administration go for Electrical Roads?

Chief strategist, R&I Anders Berndtsson
Cargo Transports in Sweden

- 10 000 km of Railroad, 100 000 km of Roads
- 86 % of Cargo (tons) is transported by Road, 11 % by Rail
- 65 % of tonkm are produced on Roads, 35 % on Railroads.
- A forecasted increase by almost 60 % on Roads and more then 40 % on Rail in 2030
- Limited capacity on the Swedish Railroad system
Governmental Goal for 2030 - a transport fleet independent of fossil fuels

- Only in cooperation between traffic modes can we meet increased transport demands.
- Every traffic mode has to improve

However
- Roads will remain the backbone of the Swedish transport system for decades to come.
- It takes a long time to build new Railroads.
- We can´t afford to meet increasing transport demands by Railroad only.
We need to liberate the trucks from their dependence of fossil fuels!
There are many benefits with electrical Roads

- Less energy used/ton
- Zero CO2 is possible
- Existing capacity (Road infrastructure) can be used
- A new market for European Automotive Industry
- Drives cooperation between Industry, Administration, Academia and Politicians
A pre commercial procurement in order to demonstrate electrical roads on public roads

- 10M EUR in public funding.
- 4 industrial consortia are competing.
- Decision will come in June 2015.

However, for a national strategy:
Technologies will develop.
Two demonstrations does not make any summer.
We will need more demonstrations, more pilots with gradually higher input and funding from the industry.