



Photo: Pyry Pietiläinen

Experiences from tests with electrified trucks in Finland

LENNART CIDER



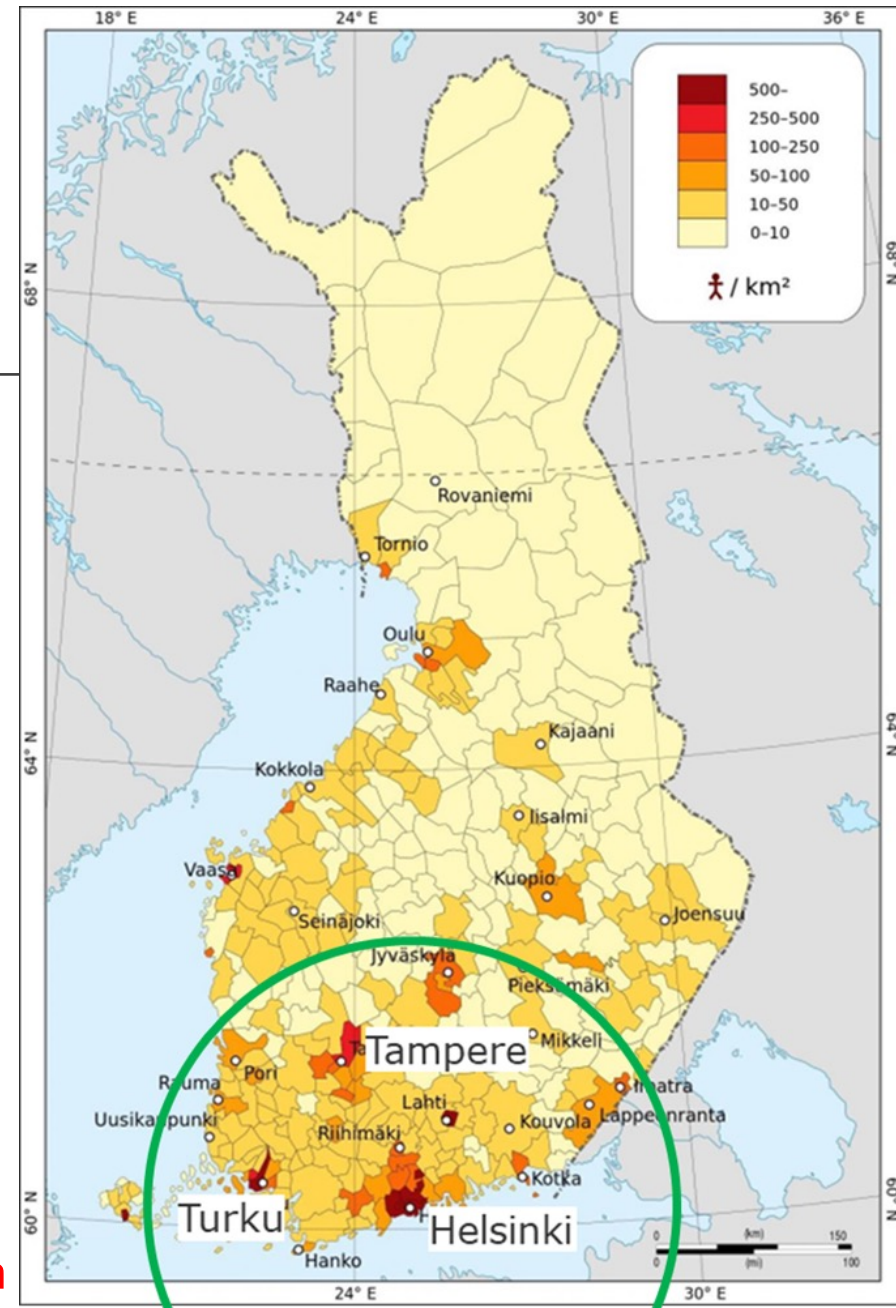
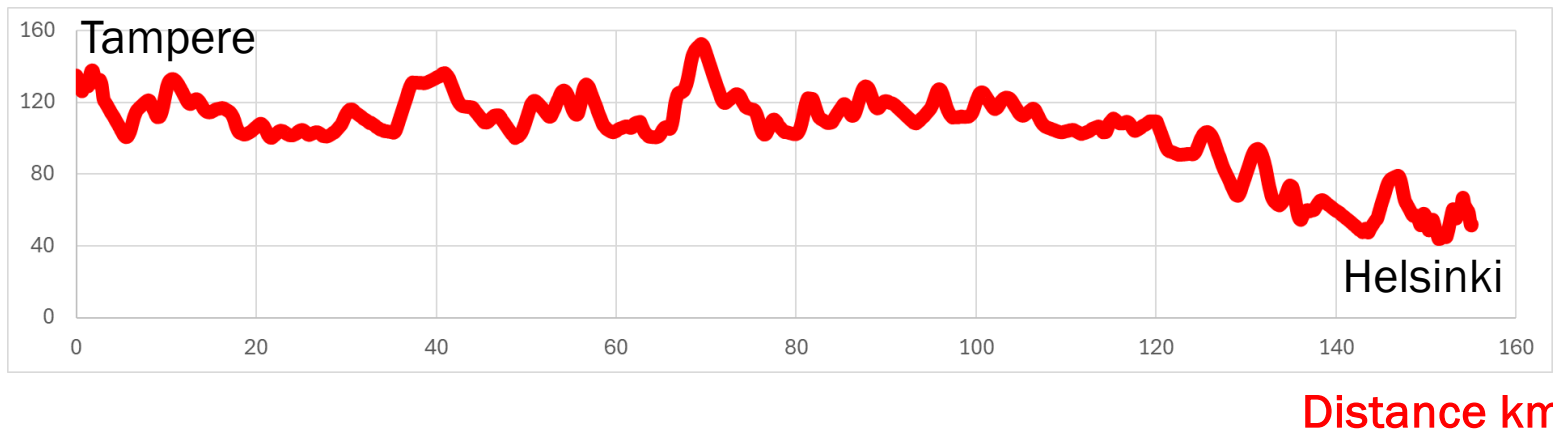
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CONTENT

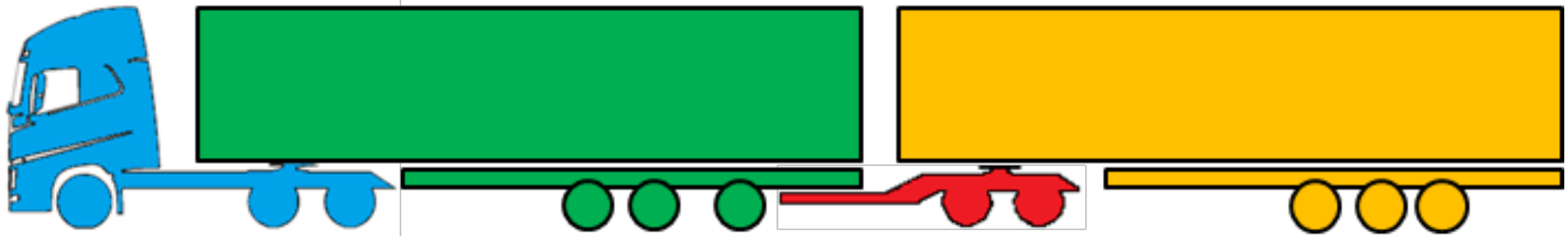
- Conditions in Finland for high-capacity electric combinations
- Proposed combination
- Ongoing test
- Results
- Conclusions

Conditions in Finland

- Southern part is densely populated
- Major Cities are within 200 km distance
- Topography is very flat in south



Proposed Combination Duo-trailer / A-double



Suitable conditions for high-capacity electric combinations

- Finland has since 2019 allowed 34.5 m and 76 tonnes on public roads
- Short distances between major cities in the south flat part of the country



Photo: Pyry Pietiläinen

Test with BEV 68 tonnes since October 4th 2023



Juha Uusitorppa Photography

The first time we thought about electric HCT was three years ago, and now it has been in traffic for a year

This electric Volvo combination, has worked perfectly according to the plans and calculations we made

An excellent project, sometimes you feel great pride, now is the time

CEO PETTERI NURMI, DB SCHENKER FINLAND, SEPTEMBER 4 2024

Schenker has decided that electrification is a big part of the future

Schenker goal: Climate-neutral transport by 2040, emission-free distribution by 2030

HCT should be supported so that it is possible in all Nordic traffic
HCT has a big environmental impact and an efficiency improvement

Significant cooperation with partners and authorities is important

CEO PETTERI NURMI, DB SCHENKER FINLAND, SEPTEMBER 4 2024

We are proud to bring electric trucks for high-capacity transports

This is an important step to reach transport efficient carbon neutral solutions

Our ambitious sustainability goals are not just about the trucks we sell, but we want to reduce emissions throughout our operations

For us it is important to work close to our customers to find the optimal solution for them

CEO MAGNUS BJÖRKLUND, VOLVO FINLAND

Conclusions

- Important contribution from Traficom made this project possible
- Otto Lahti personally has had a significant role
- HCT can be operated with BEV
- Finnish way of decision making is working



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