FINLAND

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MINISTRY OF TRANSPORT AND COMMUNICATIONS

Electrification and charging infrastructre strategy in Finland

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Climate objectives in Finland and in the EU

- Climate Change Act (423/2022) aims to promote **the achievement of carbon neutrality in Finland by 2035.**

- The EU is committed to **at least 55% reduction in greenhouse gas emissions by 2030 compared to 1990 levels.** This is also the commitment made by the EU under the Paris Agreement.

- The EU's objective is to become the first climate-neutral continent by 2050.

Strategies and the electrification of transport

- **Two strategies related** to greenhouse gas emissions from transport **are being prepared in Finland:**
  - The National Energy and Climate Strategy and the Medium-term Climate Plan
  - Basic predictions of greenhouse gas emissions (GHG) for different sectors**, incl. the development of the vehicle fleet** from 2024 to 2060.
- EU's alternative fuels infrastructure **regulation** (AFIR) **sets requirements for Member States to ensure the development of the infrastructure.**
- It also requires the Member States to **create a strategy for the development of the infrastructure.**

Prediction of the GHG in transport

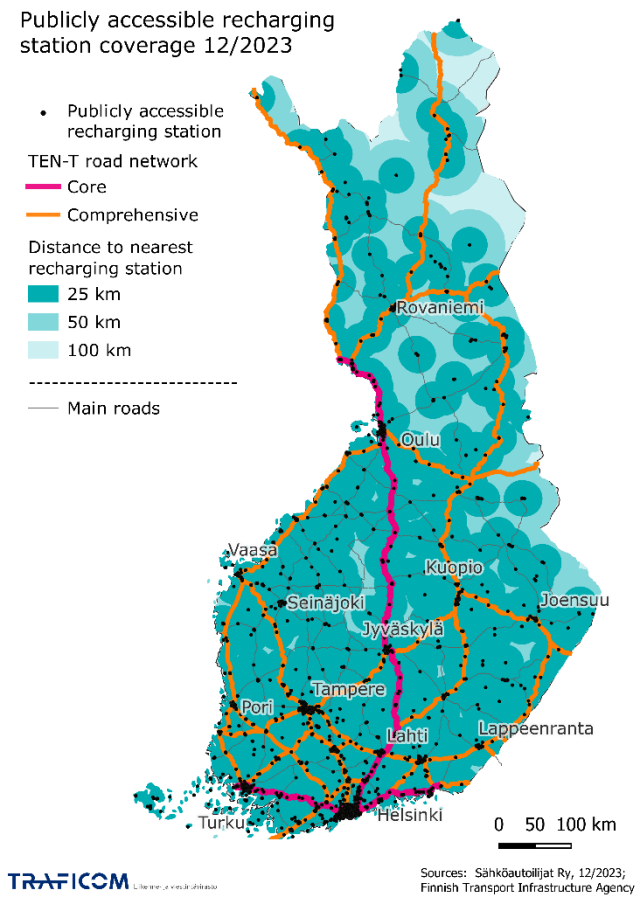
- Produced **in the project coordinated by the VTT** Technical research center in Finland.
- Includes **all such measures** that reduce GHG from traffic, **on which a decision** (legislative or financial decision) **has been made before April 1, 2023**.
- Can be found here: https://www.hiisi2035.fi/

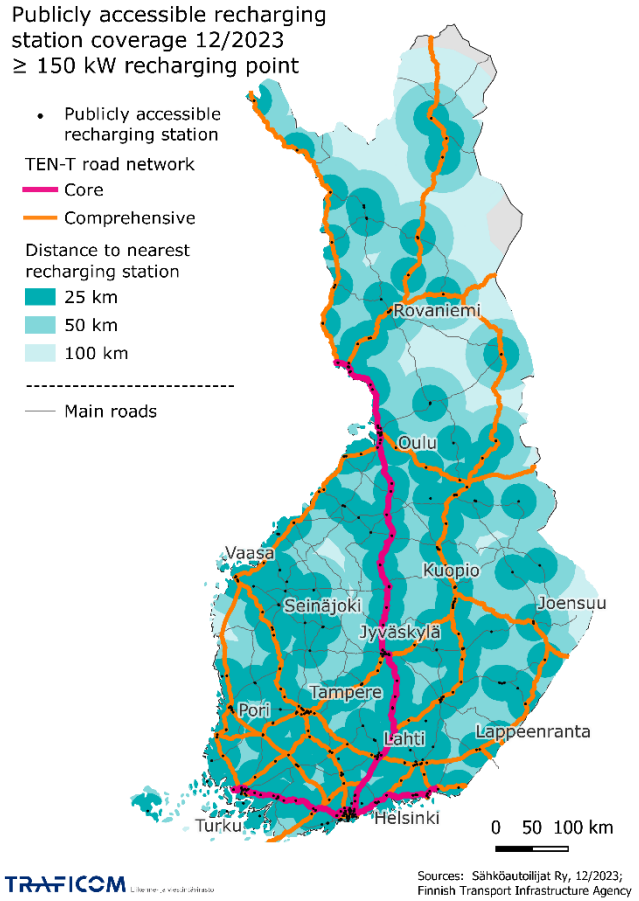
Passenger cars and vans

- In the Q3 2024, **290 000 passenger cars ran on alternative fuels in Finland**.
- **From the most part** (92%) they are **plug-in hybrids** (55 %) or **battery electric cars** (37 %).
- The **amount of electric vans have grown by 40 % in a year**.
- It is estimated that there will be altogether **925 000 electric cars** and **43 000 electric vans** in Finland in 2030.

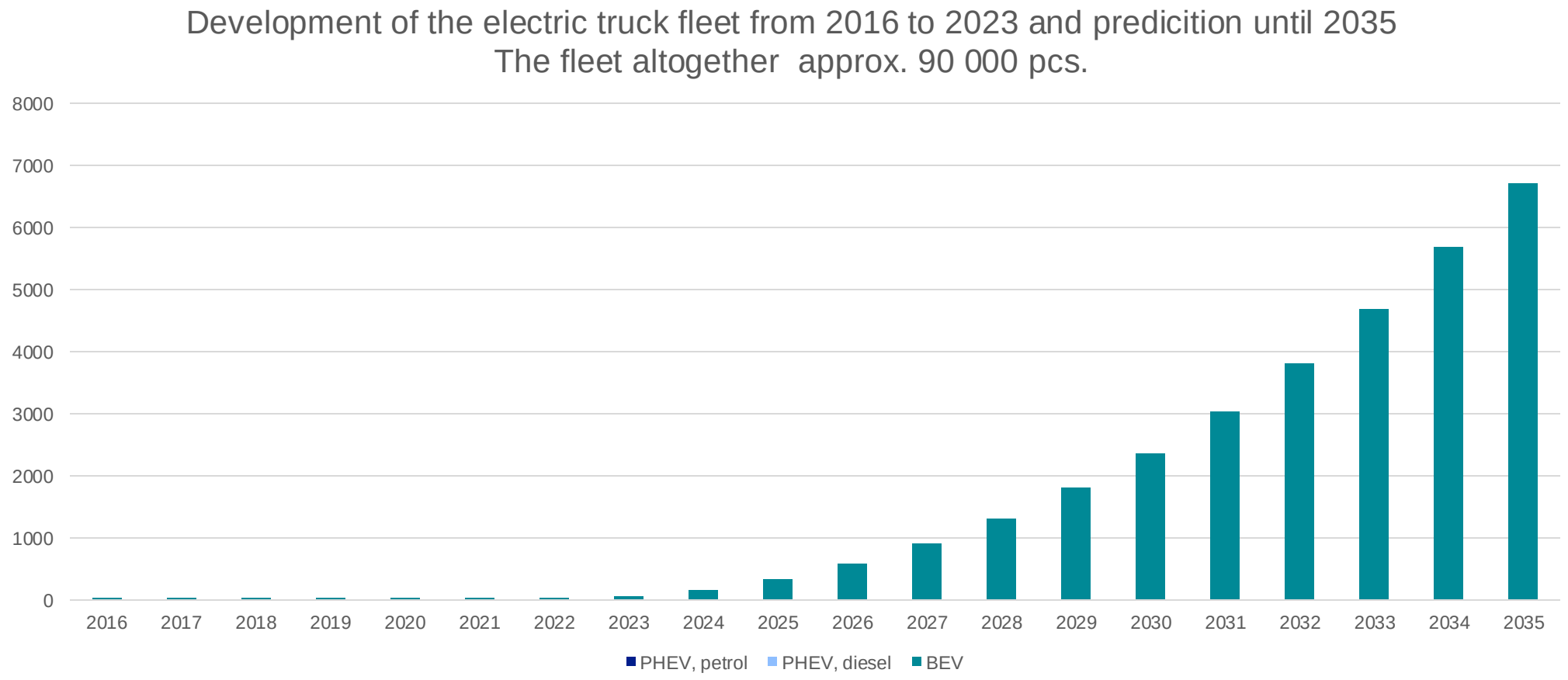
15.11.2024

Publicly accessible recharging points: passenger cars and vans

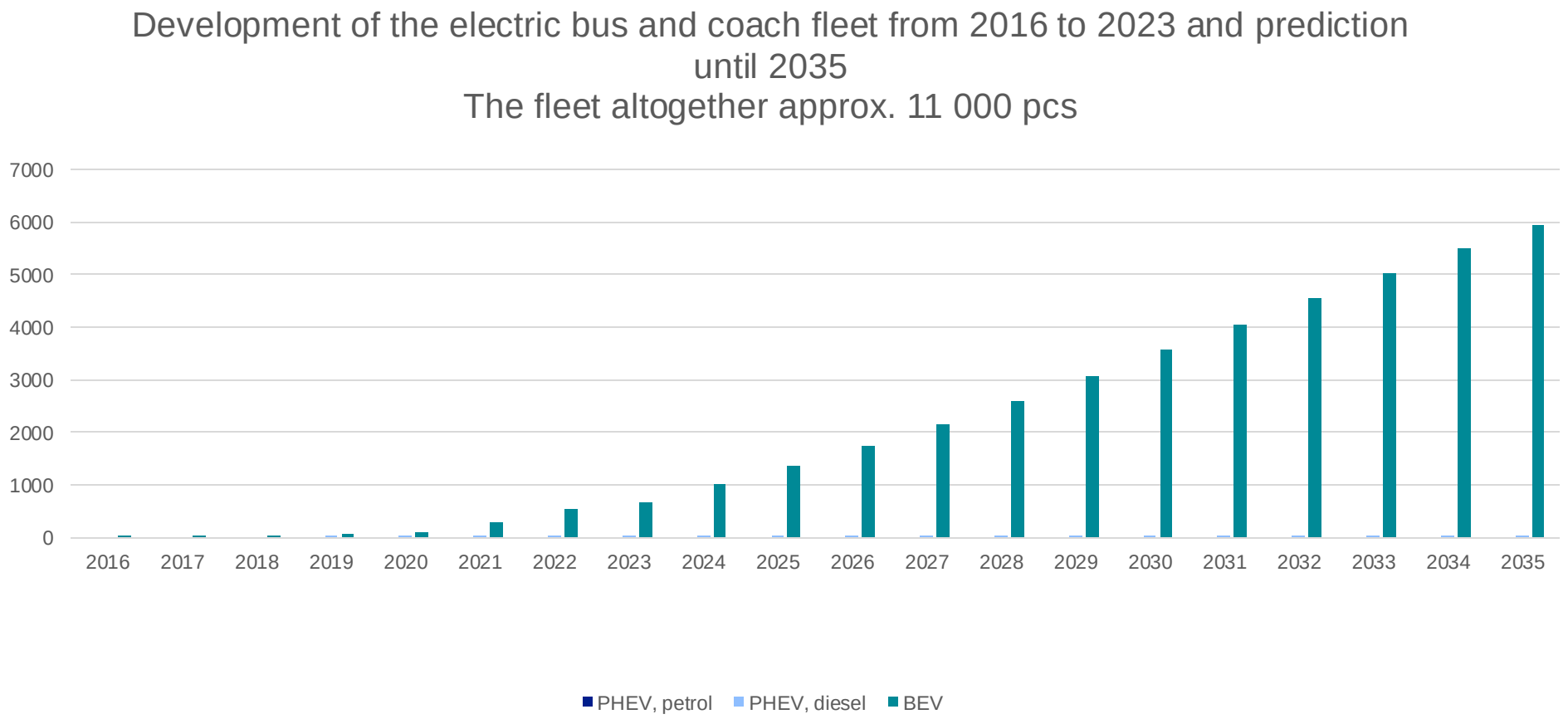




Approx. 2 400 electric trucks in 2030



Approx. 3 600 electric buses and coaches in 2030



Recharging infrastructure

- Heavy-duty vehicles rely currently mainly on **private infrastructure**.
- There are **three publicly accessible recharging locations for heavy-duty vehicles** in Finland, dozens have been supported by public money.
- AFIR requires us to ensure uptake of approx. **60 recharging locations for heavy-duty vehicles** along TEN-T roads and urban nodes in Finland by 2030.

National measures to replace fossil fuels by alternative fuels

- **The national alternative fuels' infrastructure plan** covers all transport modes and the requirements of the AFIR. The main principle is **market-based development**.

- National Act **on the implementation of the EU directive on clean vehicle procurement** (2019/1161).

- **Procurement support** for electric and gas-fuelled vans and lorries since 2020**. Support for** public alternative fuels' **infrastructure** and private recharging infrastructure. There are no decisions for new allocations for 2025.

- Finnish companies have utilised **EU's CEF AFIF transport facility**.

National measures to replace fossil fuels by alternative fuels

- **Regional planning and cooperation** are necessary. In urban areas, land use, housing and transport agreements between the largest urban regions and the central government are one tool.

- The **development of the infrastructure will be assessed by 2027**. Possibility for new measures on roads with low traffic volumes will be scrutinized.

- **Cooperation with grid operations**. Smart solutions can increase the flexibility of the grid.

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Thank you!

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