



Advancing HDV charging in Europe - AFIR, AFIF, and the Clean Transport Corridor Initiative

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Policy context

- The **European Green Deal** calls for a 90% reduction in greenhouse gas emissions from transport by 2050, to help the EU become the first climate neutral continent
- Renewed policy framework to ensure that sufficient, fully interoperable and user-friendly infrastructure is available to support the required uptake of alternative fuels in all EU Member States
- Alternative Fuels Infrastructure Regulation came into force in April 2024, setting mandatory fleet- and distance-based targets for the roll-out of infrastructure.

The Alternative Fuels Infrastructure Regulation (AFIR)

- **Objectives:**
 - Deployment of **sufficient recharging and refuelling infrastructure** across the EU
 - Complete **interoperability** (physical interface & communication) between vehicle and infrastructure
 - **Ease of use** of the infrastructure (information, transparent prices, common payment systems)



AFIR Mandatory targets for zero-emission road transport

- **Electricity Recharging for LDVs (Art 3)**

- Fleet-based target, expressed in power installed (kW) per registered electric vehicle (1.3 kW per BEV, 0,8kW per PHEV)
- Distance based target along TEN-T core and comprehensive network (maximum distance and power)

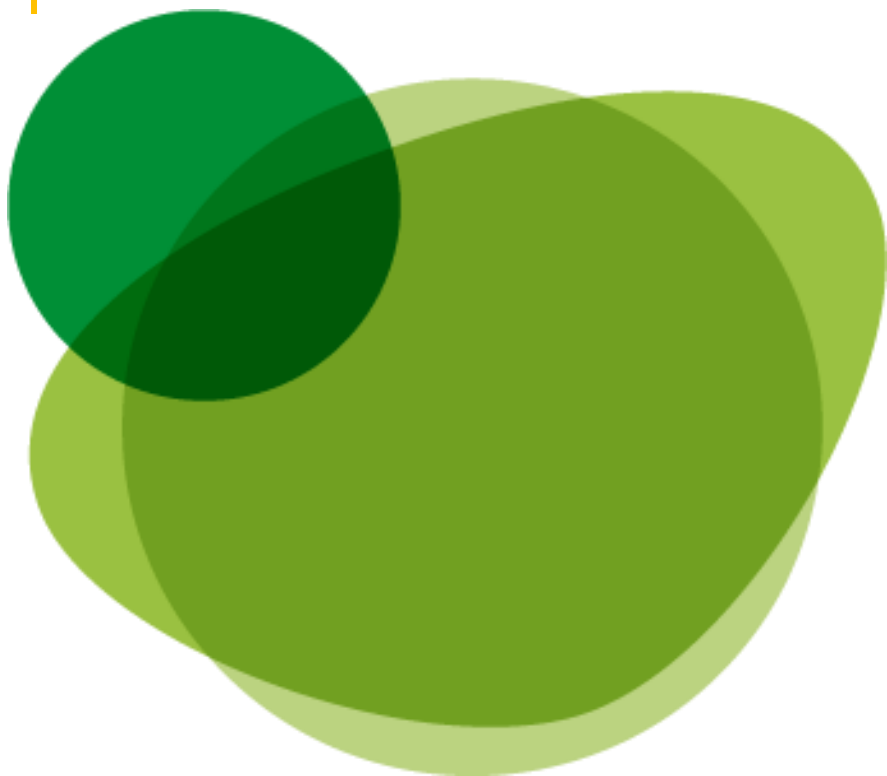
- **Electricity Recharging for HDVs (Art 4)**

- Distance based target along TEN-T core and comprehensive network (maximum distance and power)
- Safe and Secure parking areas (overnight recharging)
- Urban nodes (in particular for urban delivery)

- **Hydrogen Refuelling for LDVs and HDVs (Art 6)**

- Distance based target along TEN-T core network (maximum distance and capacity)
- Urban nodes (in particular for urban delivery)

NB: all AFIR targets are set for publicly accessible recharging / refuelling points (not for private ones); EPBD sets requirements for private charging in buildings



Alternative Fuels Infrastructure Facility (AFIF)

AFIF support 2021-2023



€1,3
Billion

131 projects

Electricity



24,000

Recharging
points 150kW

2,500

Recharging
points 350kW

63 Electrification
Airports

23 Electrification
Bus depots

5 Maritime
Ports (OPS)

Hydrogen



Hydrogen
Refuelling Stations

200

Electrolysers

32

Alternative Fuels Infrastructure Regulation (AFIR)

Alternative Fuels Infrastructure Facility (AFIF)

First cut-off date in September 2024 of the second AFIF call

- **422 mln** funding for **39 projects**
- AFIF will support approximately:
 - **2,500 electric recharging points for light-duty vehicles**
 - **2,400 electric recharging points for heavy-duty vehicles**
 - **35 hydrogen refuelling stations for cars, trucks and buses**
 - Electrification of **ground handling services** in **8 airports**, the **greening of 9 ports** and **2 ammonia and methanol bunkering facilities**
- List of succesful projects on the website: [Alternative fuels: €422 million of EU funding to boost zero-emission mobility - European Commission](#)

Timetables and deadlines



Industrial Action Plan for the European automotive sector



Innovation &
Digitalisation



Clean Mobility



Competitiveness
& supply chain
resilience



Skills & social
dimension



Level playing
field & business
environment

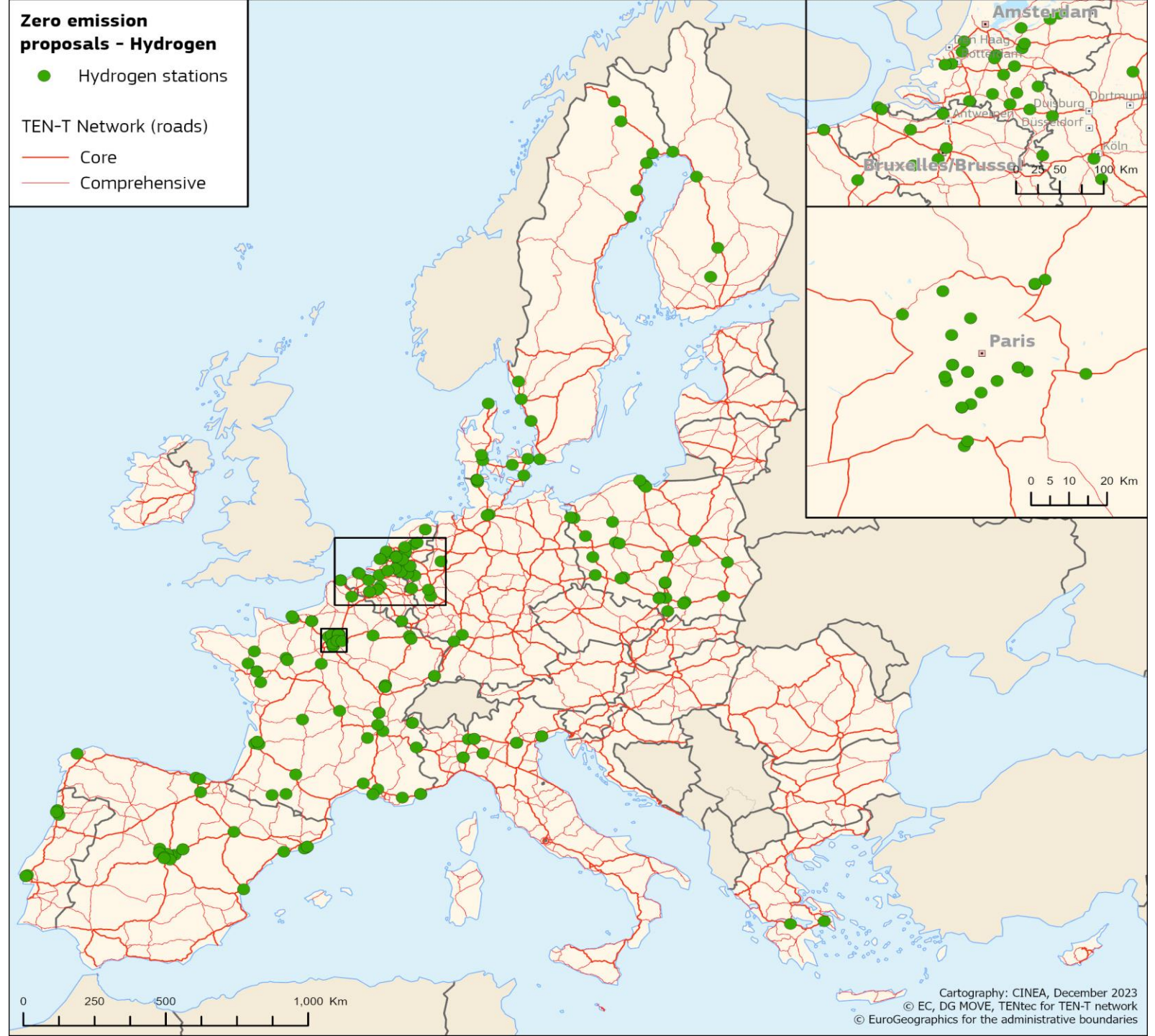
Clean Transport Corridor Initiative

- Accelerate the rollout of recharging infrastructure for trucks
- Mapping of recharging infrastructure financed by the EU and the Member States
- Identifying bottlenecks and solutions, e.g. grid connection time and procedures, permitting etc
- Guiding principles on anticipatory grid investments
- Competitiveness Coordination Tool

Preliminary mapping of HDV recharging points financed by AFIF – changes possible!



AFIF 2021-2023 support for Hydrogen Refuelling Stations



Thank you



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