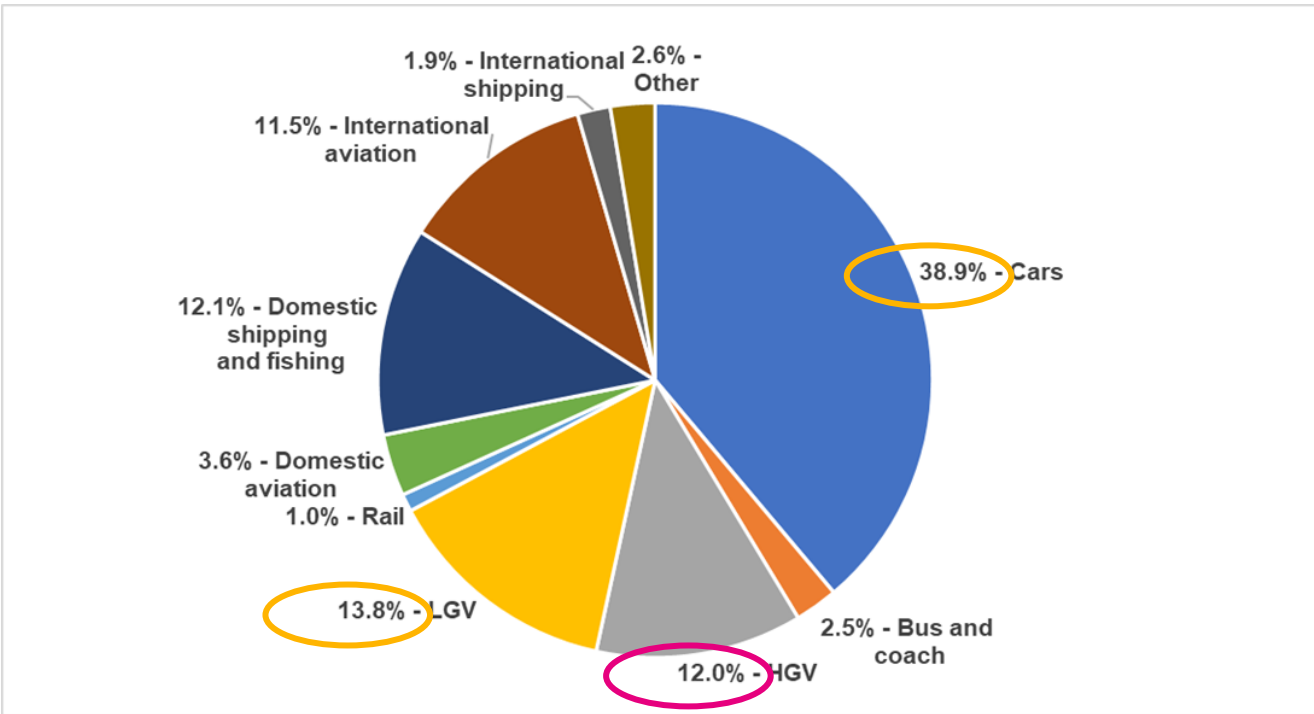


# HGV Decarbonisation – APSE Seminar

**Charlotte Taylor**  
**Transport Scotland**  
**May 2026**



# Case for change – where we are now



Mode share of all transport emissions, 2023

HGVs account for 1.2% of all road vehicles but **12%** of transport GHG emissions.

**0.2%** Scottish HGVs are currently zero emission (c.80 out of 37,000).

Without intervention emissions from HGVs are projected to **remain the same** between now and 2045.



# Local Authorities fleet and the Public Sector Fleet Decarbonisation Action Plan

## LA fleet:

- **>1/2 of PSF**
- **14% are ZEVs**

Year	All LA ZEV Fleet %
2023	13.2%
2024	14%
2025	13.7%

Publication of draft  
action plan  
Summer 2026



Expected engagement  
2 x Workshops  
(public sector fleet managers)  
4 x Engagement sessions



Publication of  
final action plan end  
of 2026



# HGV Decarbonisation

Pathway for Scotland

Zero Emission Truck Taskforce



# Zero Emission Truck Taskforce



- HGV Decarbonisation Pathway for Scotland (2024)
- SG actions:
  - Finance forum
  - Mapping where en route HGV charging is needed in Scotland



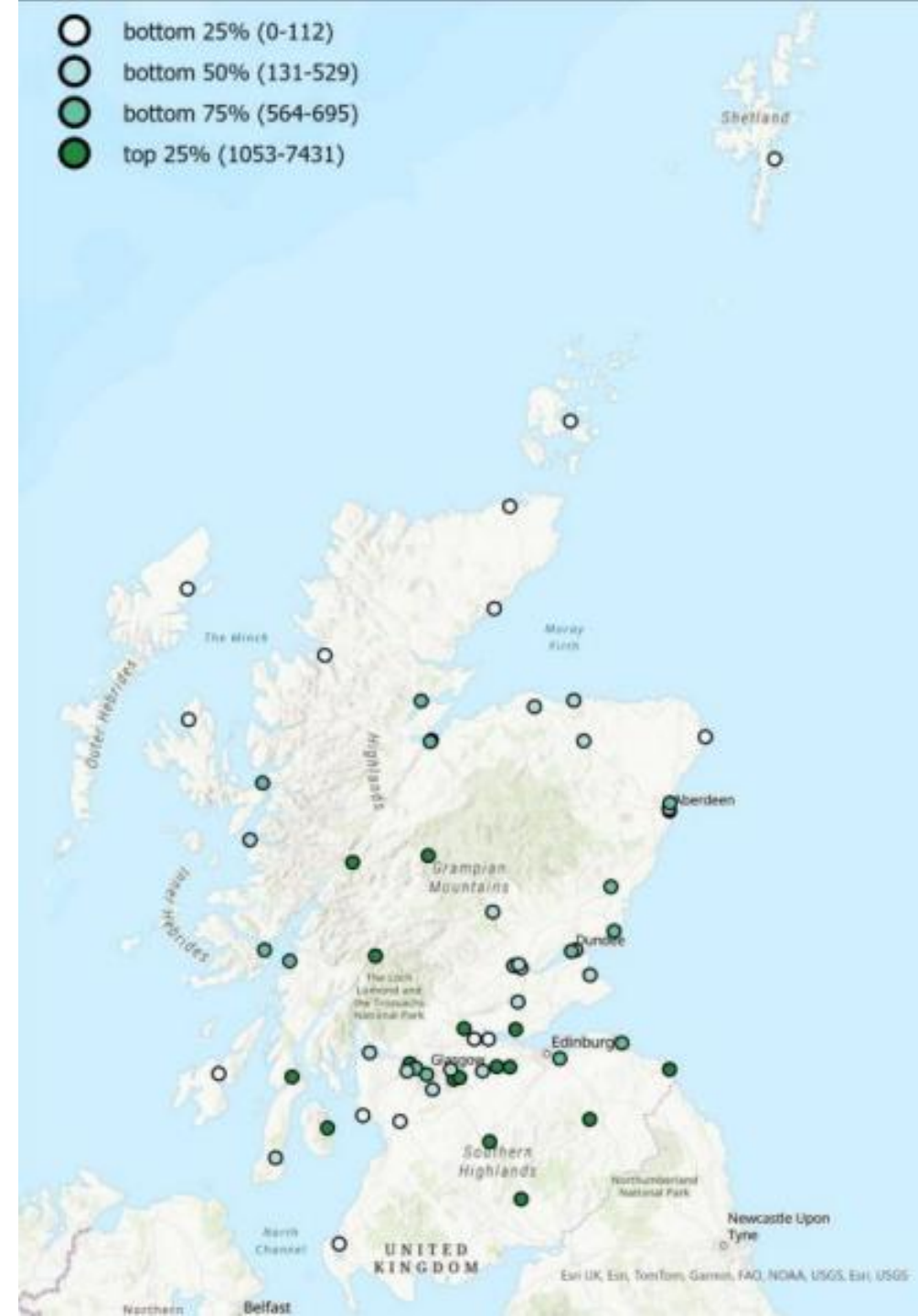
## Key messages

from the Taskforce

None of us can do this alone – working collaboratively is essential

# Towards Zero Emission HGV Infrastructure in Scotland: Phase 2 Report

- Additional to depot charging
- Telematics from 2% Scottish trucks + Strathclyde WattRoutes traffic count data
- 500kW charging
- Includes developing charging locations

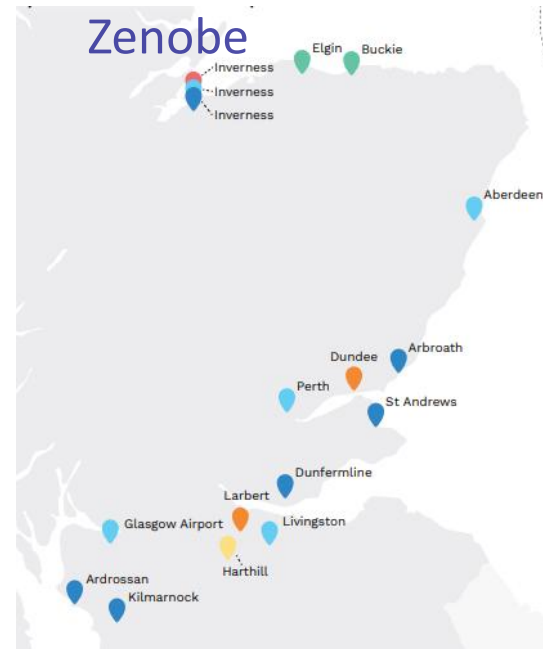


# Current HDV charging network

## ScotZEB

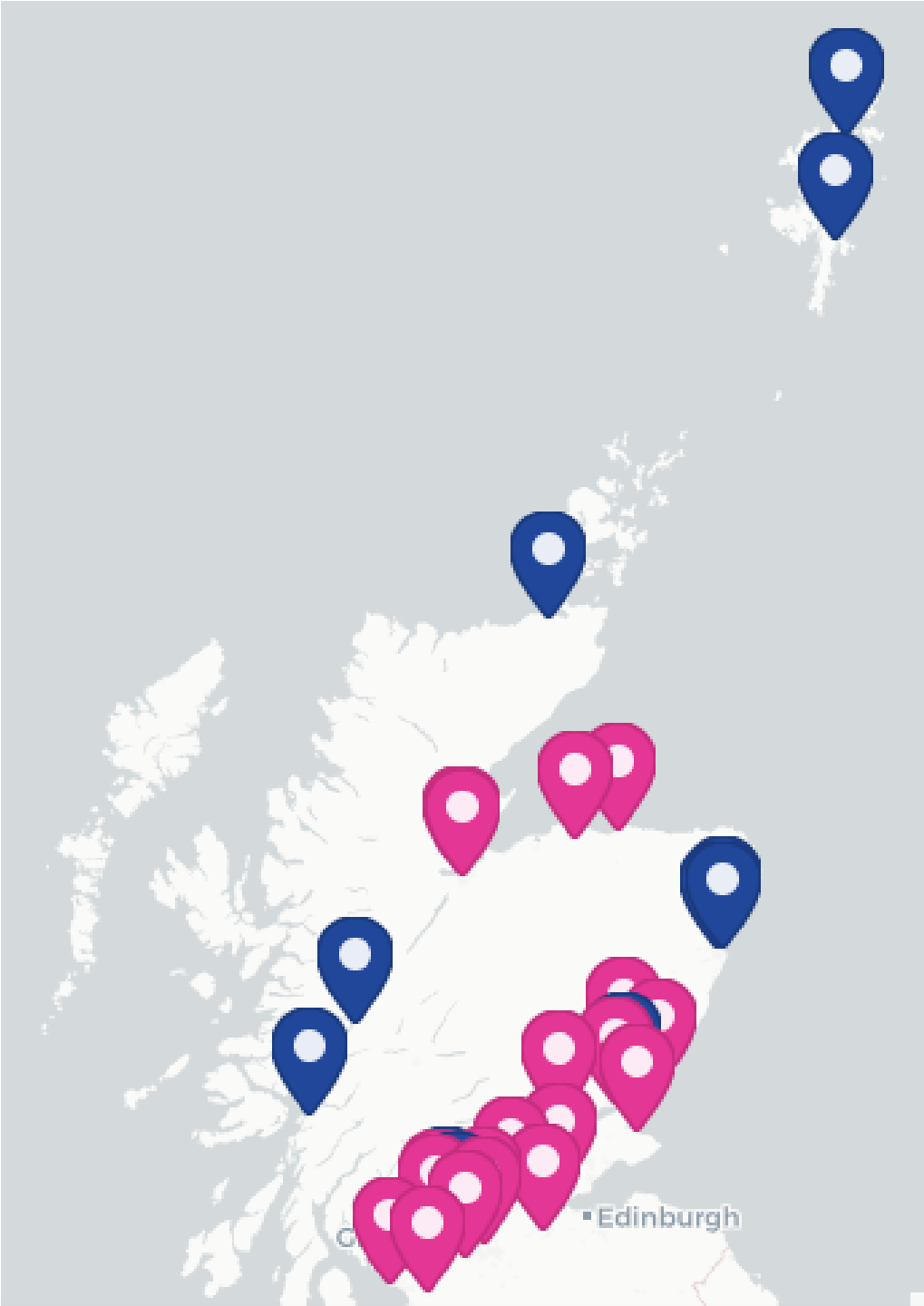
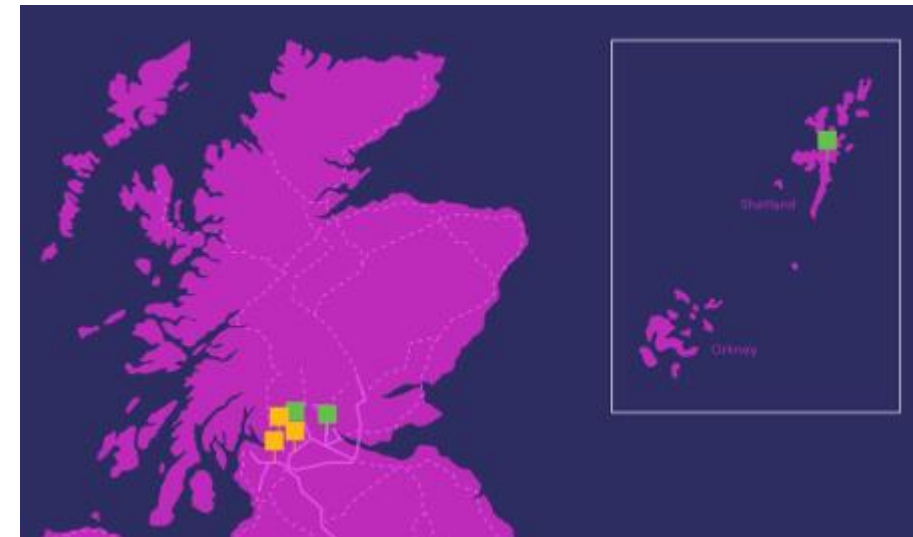
- 150kW chargers in bus depots open to HGVs
- c17 locations
- Lead contractor is

Zenobe



## ZEHID

- 6 open depot locations in Scotland
- Up to megawatt charging
- Bathgate and Shetland open
- E Kilbride, Bellshill, Coatbridge coming soon



# Proven technology in use now



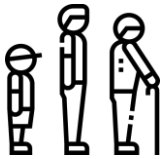
TRANSPORT  
SCOTLAND  
CÒMHDHAIL ALBA



Background: Skill Readiness

# 94,000 of HDV Workers Will Require Training to Support Adoption of Zero Emission (ZE) HDV.

## Workforce supply is under pressure



### Aging Workforce

Large share of the HDV workforce is retiring.



### Diversity Challenges

HDV sector has remains narrowly male-dominated



### Job Transformation

Traditional HDV roles are changing and declining as ZE transition happens.

## Skills mix for HDV Sector is fundamentally changing

Traditional Skills	Zero-emission Skills
Routine mechanical diagnostics and manual fault-finding	Digital diagnostics and software-enabled fault detection
Internal combustion engine maintenance	Electric drivetrain and power electronics maintenance
Diesel fuel systems and emissions controls	High-voltage battery and energy management systems
Mechanical safety procedures	High-voltage and hydrogen safety procedures
Workshop tools designed for ICE vehicles	Specialist ZE-HDV tools and certified workshop practices



# 1 Year Funding Delivered in FY 2025/2026 to Support the HDV Sector in Developing the Skills Required for the ZE Transition.

## Grant objectives



Sharing knowledge on training and career opportunities in the HDV sector.



Supporting greater diversity in the HDV sector workforce.



Generating private sector investment in skills development.

## SCF Programme Outcome

1

8 skills project successfully delivered.

2

Participation spanned across private sector, public sector, and colleges.

3

Project includes funded training, workforce diversity, awareness-raising.



# Public–Private Partnership to Build Local Training Capacity and Address Rural Barriers to Skills and Employment.

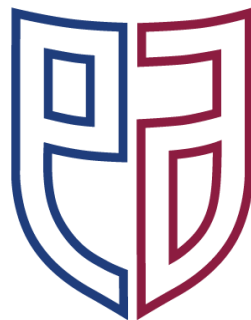
## Place Based Training Model

Workplace up-skilling: Training delivered at Emergency One's premises in Cumnock, using both classroom facilities and the manufacturing floor to combine theoretical learning and immersive industry training.



## Up-skilling Existing Workforce (22 individuals)

Accredited EV/Hybrid training for emissions mechanics to address EV skills shortage and build the regional supply chain.

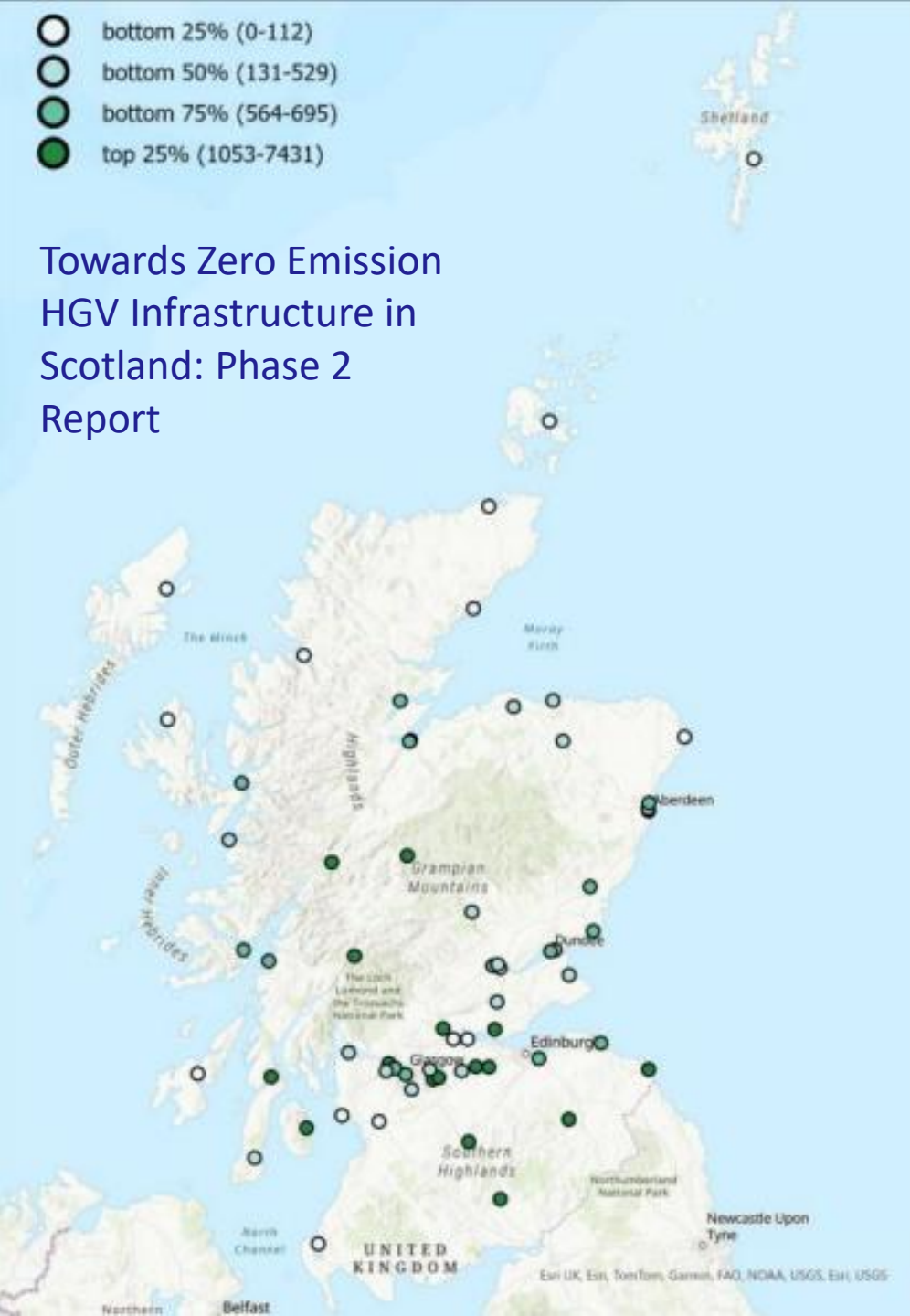


## East Ayrshire Council: Project Insights

- Demand for EV and H2 skills training is growing rapidly, particularly among SME garages.
- Placed Based Training Model can effectively address skills gaps in rural communities.
- Strong employer engagement and clear messaging are critical to successful delivery.

- bottom 25% (0-112)
- bottom 50% (131-529)
- bottom 75% (564-695)
- top 25% (1053-7431)

Towards Zero Emission  
HGV Infrastructure in  
Scotland: Phase 2  
Report



# Next steps



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Public Sector Fleet Decarbonisation Action Plan later in 2026 – opportunities to comment

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In discussion with Sponsor Teams in SG about decarbonization pathway and costing evidence (TCO)

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Third iteration of en route charging research due out summer 2026

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Aiming to get electric trucks onto Scottish roads in a collaborative and strategic way

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Collaboration – get in touch with local fleets re shared charging and speak to DNOs

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Get in touch about skills/workforce/information sharing projects

# Thanks and Questions

Get in touch:

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