



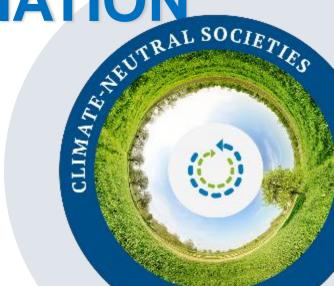


HyTruck Breakfast Briefing

LATVIAN HYDROGEN ASSOCIATION

January 8th 2025







Latvian Hydrogen Association is an NGO established in 2005 with an aim of hydrogen application development and implementation in Latvian and the Baltic States region as also to support development of Hydrogen economics by using only local renewable resources and hydrogen as energy carrier to provide energetics, transportation and manufacturing industries with the least negative effect to nature, and to support environment friendly energy source for production and consumption.

H2LV mission is to unite scientist and businessman societies, who work with technologies and materials while exploring renewable resources and their potential, to solve questions that hold importance to society as whole.

Member of **Hydrogen Europe**





H₂LV •

Circular Economy for Riga and Tartu Waste Management Facilities

The Circular Economy for Riga and Tartu Waste Management Facilities CERITA aims to promote a circular economy approach in managing waste. The CERITA seeks to utilize the potential of hydrogen and its derivatives to improve the value chain of waste management facilities in the region.

The traditional method of disposing of waste in landfills is no longer sustainable due to the impact it has on the environment.

Waste management facilities need to move towards a more sustainable and circular approach to reduce the amount of waste that is landfilled and to minimize the environmental impact of waste management.

There is a need for innovative solutions that utilize new technologies and business models to create a more sustainable waste management system.



Clean Hydrogen Joint Undertaking





EU-funded projects

- CHIC (36 buses, plus 20 in Canada)
 - ✓ Aargau, CH;
 - ✓ Bolzano, IT; London, UK; Milan, IT; Oslo, NO; Cologne, DE*; Hamburg, DE*
- **High V.LO-City** (14 buses)
- ✓ Antwerp, BE; Aberdeen, UK; Groningen, NL; San Remo, IT

HyTransit

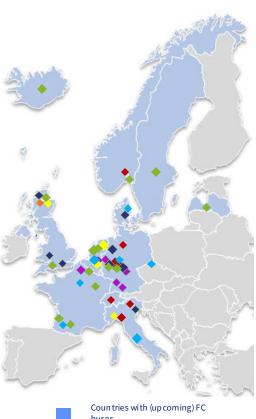
- (6 buses)
 - ✓ Aberdeen, UK

3Emotion (21 buses)

- ✓ London, UK
- Aalborg, DK; Pau, FR; Rome, IT; South Rotterdam, NL; South Holland; Versailles, FR

National/regional-funded projects

- ✓ Karlsruhe, DE; Stuttgart, DE; Frankfurt, DE;
- ✓ Arnhem, NL; North Brabant, NL; Artois Gohelle, FR



In operation Plan ned or operation ended

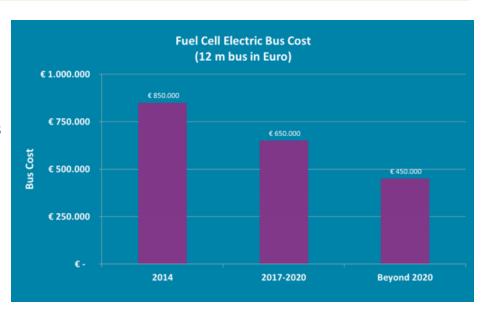
National funding

JIVE (142 buses)

- Aberdeen, UK 25 buses
- Birmingham, UK 20 buses
- Bolzano, IT 12 buses
- Cologne region, DE 35 buses
- Gelderland, NL 10 buses
- London, UK 26 buses
- Wiesbaden, DE 10 buses
- Wuppertal, DE 10 buses

JIVE 2 (156 buses)

- Auxerre, FR 5 buses
- Barcelona, ES 8 buses
- Brighton, UK 20 buses
- Cologne region, DE 15 buses
- Emmen, NL 10 buses
- Groningen, NL 20 buses
- South Holland, NL 20 bus
- Pau. FR 9 buses
- Toulouse, FR 5 buses
- Wuppertal, DE 10 buses
- Jelgava LV





























Clean Hydrogen Joint Undertaking





JIVE CEE Bus Roadshow aims to organize FCE bus test drives on public transport routes across cities interested in the technology but cannot access the infrastructures due to their location. The objective is to have the relevant local actors test a demonstration bus to build regional capacity to deploy fuel cell bus technology to **expand the sector in the short/medium term**.

- 1st Roadshow mid-November 2022 till end of January 2023
- Countries Slovenia, Croatia, Czech Republic, Slovakia, Hungary



PLANNING OF 4TH ROADSHOW IN SWEDEN



Overall and technical roadshow coordinator



National coordinator for Sweden



Coordinator of JIVE / Link to CHP JU



Supporting partner



Infrastructure provider - Bus



Clean Hydrogen Partnership



Municipality of Ljugby



Municipality of Oskarshamn



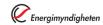
Airport of Gothenburg



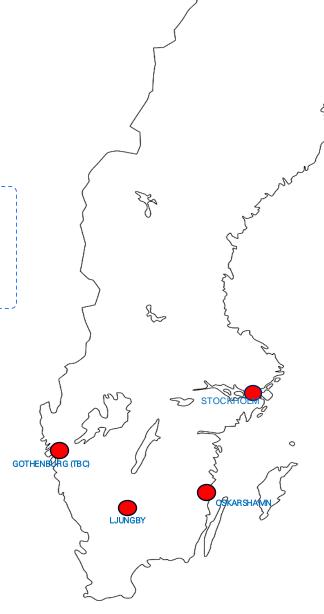
Infrastructure provider – Hydrogen Refuelling



Infrastructure provider – Hydrogen Supply



Infrastructure development support -Hydrogen Refuelling





PLANNING OF 4TH ROADSHOW IN FINLAND

Partners: **FINAVIA**, **Cefmof** Finavia operates 20 airports in Finland, ensuring the best Nordic connections from Finland to the world.





Helsinki Airport

Joensuu

Jyväskylä

Kajaani

Kokkola-Pietarsaari

Kuopio

Mariehamn

Oulu

Pori

Savonlinna

Tampere-Pirkkala

Turku

Vaasa

Halli

Utti

Ivalo

Kemi-Tornio

Kittilä

Kuusamo

Rovaniemi









H2Value Steps



Hydrogen distribution

Establish a green hydrogen refueling station and test the transportation of green hydrogen via road. Hydrogen consumption

Use hydrogen as a zeroemissions source of fuel for transport. Analysis & strategic development

Support the development of the interregional green hydrogen value chain in Estonia and Latvia.













Thank you!

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