



**Parallel session 2A: The backbone of the transition: Powering corridors for zero-emission trucks –
24th October 16:15 – 17:30**

Session hosted and coordinated by Alice Scotti (alice.scotti@etp-alice.eu), Project Manager.

Linked exhibitors: [FLEXMCS](#), [MACBETH](#), [ESCALATE](#), [NextETRUCK](#), and [ZEFES](#)

Session teaser:

Corridor-based charging is emerging as the backbone of Europe’s zero-emission freight transition. The [Clean Transport Corridor Initiative](#), together with EU-funded projects like [FLEXMCS](#), [MACBETH](#) and the upcoming Horizon Large-Scale Demonstrations, are paving the way to deliver power where it matters most and test HD-BEVs in long-distance logistics operations. This session will bring together policymakers, operators and technology front-runners to discuss how to accelerate deployments, streamline grid connections and permits, and make cross-border charging predictable, turning AFIR’s minimum requirements into a truly operational European network.

Session description:

The roll-out of public charging infrastructure for battery-electric trucks (BETs) needs to accelerate to successfully implement the transition to zero-emission road freight. The Clean Transport Corridor Initiative (CTCI) aligns nine Member States to fast-track HDV recharging along the Scan–Med and North Sea–Baltic corridors, coupling streamlined permitting, targeted grid expansion and a common roadmap to go beyond AFIR minimums where freight demand is highest. In parallel, EU R&I is maturing the building blocks to make long-haul electrification real: FLEXMCS and MACBETH projects are designing and demonstrating energy-efficient, flexible and multi-point megawatt charging hubs with smart management at three locations in Germany, Sweden and Belgium. From 2026, the next HORIZON-CL5-2026-05-D5-01 call for proposals on large-scale demonstration will take this further, testing for more than a year up to ~100 market-ready HD-BEVs equipped with MCS, operating on four corridor segments passing through at least four EU/associated countries, with an average 600 km daily driving range.

This session explores why a corridor strategy is the best way to meet AFIR targets: concentrate power based on real freight demand, co-plan grid and permits, and make charging predictable across borders.

In this session, we will explore:

- Lessons learned from the first electric corridors (e.g., Barcelona–Lyon) and how MCS deployment and booking systems can guarantee slots and operational predictability along routes;
- Best practices on how to deliver the suitable power and prepare in advance optimal locations for HDV recharging pools, streamlining infrastructure deployments;

- How front-runners are enabling cross-border, seamless zero-emission freight transport through their network expansion plans.

Agenda:

Moderator: **Alice Scotti**, *Sustainable Logistics Project Manager, ALICE*

Presentations:

- Building a Network of Publicly Accessible Charging Hubs across Europe. **Koen Noyens**, *Head of Public Affairs, Milence*
- Innovative Strategy for Accelerating E-Mobility Infrastructure. **Janez Humar**, *Head of Strategic Innovation Programs, ELES*
- Road to Net-Zero: Challenges and Solutions from the Frontline of Heavy-Duty Freight. **Marie Knutsen-Oy**, *Vice President Energy Solutions, Einride*

Panel discussion

Q&A

Background and link to ALICE activities:

This session directly contributes to the work of ALICE's [Thematic Group on Efficient and low emission assets and energy](#) (TG1), which supports the decarbonization of the European logistics industry through fleets and assets that are energy efficient and use the lowest emissions energy source feasible. TG1 focuses on 3 main topics: electrification, automation and emission accounting and it links to European projects such as [FLEXMCS](#), [MACBETH](#) and [ZEFES](#) that support the deployment of greener and cleaner vehicles, trains, barges, ships and airplanes as well as other technologies for a more efficient transport network. On top of being in line with the *"Roadmap Towards Zero Emissions Logistics in 2050"* published by ALICE in 2019 and with the [Towards zero emission road transport \(2ZERO\) Partnership's objectives](#), this session is a concrete step towards achieving the targets set by [European Green Deal](#) and specifically those mentioned by the Alternative Fuels Infrastructure Regulation (AFIR) – part of the Fit for 55 package.

 See previous related activities [here](#)

Related call in work programme 2026-2027: [HORIZON-CL5-2026-05-D5-01 – Large-scale demonstration of Heavy-Duty Battery Electric Vehicles \(HD BEV\) towards long-haul logistics operations \(2ZERO Partnership\)](#) – deadline: 14th April 2026

For more information, please contact Alice Scotti - alice.scotti@etp-alice.eu