

COMMERCIAL VEHICLES



EUCAR RESEARCH RECOMMENDATIONS

- ⇒ **Integration Commercial Vehicles in the logistic systems**
- ⇒ **Sustainable and energy-efficient road transport**
- ⇒ **Large-scale road transport demonstrators for Commercial Vehicles**



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⇒ **Integration Commercial Vehicles in the logistic systems**

Common definitions and harmonisation help fostering interoperability for logistic operations. Data exchange will support a more efficient road transport. To achieve the full potential of digitalisation of road transport to increase safety, sustainability and efficiency of logistic and transport systems.

⇒ **We improve the integration Commercial Vehicles in the logistic systems.**

- Developing common definitions and harmonisation fostering interoperability for logistic operations and data exchange to support more efficient transport.
- Defining the necessary standards and accounting for new professional drivers' role, training in new technologies (HMI) and adoption of new technologies.
- Continuously implementing higher levels of automation in a step-wise and safety oriented approach; in confined areas, logistic corridors and gradually towards open roads.



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⇒ **Sustainable and energy-efficient road transport**

Any product will have sustainability criteria linked to its transportation along the value chain. In this context, logistics, road transport and CVs have a crucial role in achieving a sustainable and resource-efficient society.

⇒ **We improve sustainable and energy-efficient transport with innovative vehicles and transport operation.**

- Developing new vehicle technologies, designs and services targeting innovative and sustainable logistics concepts.
- Addressing energy and resource efficiency from a system perspective, over the entire lifecycle, including the needs of a circular economy.
- Developing sustainable technologies and solutions that cover a broad range of applications through interoperability for multiple purposes and use cases (e.g. Pan-European high-capacity transport and usage of EMS concepts).



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⇒ **Large-scale road transport demonstrators for Commercial Vehicles**

In the future, the increased demand for connectivity and for renewable energy from all sectors, including industry, housing, etc. will have an impact on TCO for transportation. The regulatory requirements, energy provision and infrastructure availability should facilitate early adoption until net zero operation is cost-competitive.

⇒ **We demonstrate, and validate, all functional aspects and associated effects in real-life conditions through large-scale road transport demonstrators focused on Commercial Vehicles.**

- Combining technologies developed in the CCAM and 2Zero Partnership to further enhance safety and efficiency of transport and logistic systems.
- Assessing and ensuring the availability of necessary (energy and digital) infrastructure providing (renewable energy and digital services) for transportation where it is needed.
- Implementing large-scale demonstrations with all stakeholders including end-users/customers and society.