

Truck platooning:

Smart mobility through intelligent transport systems and automated & connected driving



What is Truck Platooning?

Truck Platooning involves a number of trucks equipped with **state-of-the-art driving support systems** – one closely following the other. This forms a platoon with the **trucks driven by smart technology** and **mutually communicating**. The truck at the head of the platoon functions as the leader, while the vehicles behind the lead truck are **reacting to the movements from the first truck**, often without interference from its drivers. Truck Platooning is **innovative** and full of promise and **potential for the transport sector and society**.



What are the advantages of Truck Platooning?



Helps saving fuel - from 5% to 15% - depending on the location of the vehicle, reducing CO₂ output and costs



Helps reducing traffic jams through use of adaptive cruise control



Helps improving safety as 90% of all traffic accidents are caused by human error



Helps increasing economic growth and welfare, keeping road transport profitable

Which are the main issues to tackle?

- Create the appropriate **regulatory framework** at both EU and international levels, building on the 2016 Declaration of Amsterdam and adapting existing UN, EU and national legislations. Examples are: communication protocols, type approvals, training, traffic rules and road signs;
- Increase number of “real-life traffic tests”;
- Upgrade road infrastructure;
- Further enhance different technologies, allowing also multi-brand platooning.



When can Truck Platooning “go live”?

From a technology perspective, by 2023 multi brand platoons should be able to drive cross-border Europe - provided certain conditions will be met in terms of policy and infrastructure. Full autonomous vehicles are foreseen for after 2023.



What is being done so far?

During its presidency in 2016 the Dutch government initiated the “European Truck Platooning Challenge 2016”. It aims to combine as many forces as possible to realise truck platooning in the near future, by creating a European partnership between truck manufacturers, automotive suppliers, logistics service providers, research institutes and governments – and by sharing knowledge and experience around truck platooning. CLEPA is a partner in the project. www.eutruckplatooning.com

The Partners



ENSEMBLE: Enabling Safe Multi-Brand platooning for Europe.

Within the framework of Horizon2020, the ENSEMBLE is a research project between vehicle manufacturers, suppliers, associations and policy makers with the objective to make platooning multi-brand and interoperable, safe, based on real-life conditions and embedded in today's logistics flow. The role of the suppliers **is to provide solutions**, helping to meet the objectives.

