

**EMPOWER**



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Logistics Innovation  
through Collaboration  
in Europe



Zero Emission Heavy Duty Road transport perspectives and innovations testing in real operations

**Round table OEMs:**

Ben Kraaijenhagen

Christer Thoren, Scania

Marc Lejeune, Renault Trucks

Mario Männlein, IVECO

Per Bengtsson, Volvo

Ton Bertens, Van Eck Trailers

**Date:** 11 May 2023

**Time:** 16:20 – 17:00 (CET)



# Introduction panellists

Slide 3+4 is  
3-5min



Ben Kraaijenhagen, Technical coordinator ZEFES, moderator round table

Christer Thoren, Project leader Vehicle electrification at Scania

Marc Lejeune, Business Intelligence Director at Renault Trucks

Mario Männlein, Head of Alternative Propulsions at IVECO Magirus AG

Per Bengtsson, Public project manager at Volvo Group

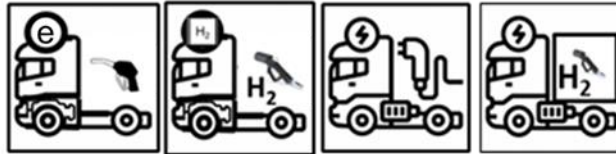
Ton Bertens, Research And Development Manager at Van Eck Trailers B.V.

# Zero Emission Heavy Duty Road Transport

Slide 3+4 is  
3-5min



The Challenge; reduce CO<sub>2</sub> for HDV 2019 - 2030 by 45% and 2019 – 2035 by 65%\*



The use of zero tailpipe emissions vehicles (ZEV) for long distance heavy transport is an important part towards achieving the above targets.

Until now, these vehicles have a fairly limited range and no TCO parity.

What is the next level of e-trucks?

Will this influence the operations?

\*[https://climate.ec.europa.eu/eu-action/transport-emissions/road-transport-reducing-co2-emissions-vehicles/reducing-co2-emissions-heavy-duty-vehicles\\_en](https://climate.ec.europa.eu/eu-action/transport-emissions/road-transport-reducing-co2-emissions-vehicles/reducing-co2-emissions-heavy-duty-vehicles_en)

# Take aways



E-trucks for long-haul freight transport will enter the market soon

Key to success

E-infrastructure at hubs, terminals, along corridors

Digital infrastructure to support implementation of ZE-HDV

New business models and TCO parity

High-Capacity Transport to accelerate and to improve efficiency

Collaboration from legal side to scale pilots through Europe

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