



AWARD
Scaling autonomous logistics

Pan-European Workshop: “Charting the Roadmap for Autonomous Vehicles in European Logistics.”

11/12/2023

Ragnhild Wahl, ITS Norway – MODI Project Coordinator

M^{ODI} | A LEAP TOWARDS SAE L4 AUTOMATED DRIVING FEATURES



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MODI project

Charting the Roadmap for AVs in European Logistics

Ragnhild Wahl, ITS
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MODI Ambitions



Accelerate adoption of highly automated freight vehicles

MODI will identify and overcome barriers to the rollout of automated transport systems and solutions in logistics

New business models

MODI will demonstrate business models and partnerships for beneficial application of CCAM vehicles in logistics

Demonstrations

MODI will demonstrate real use cases

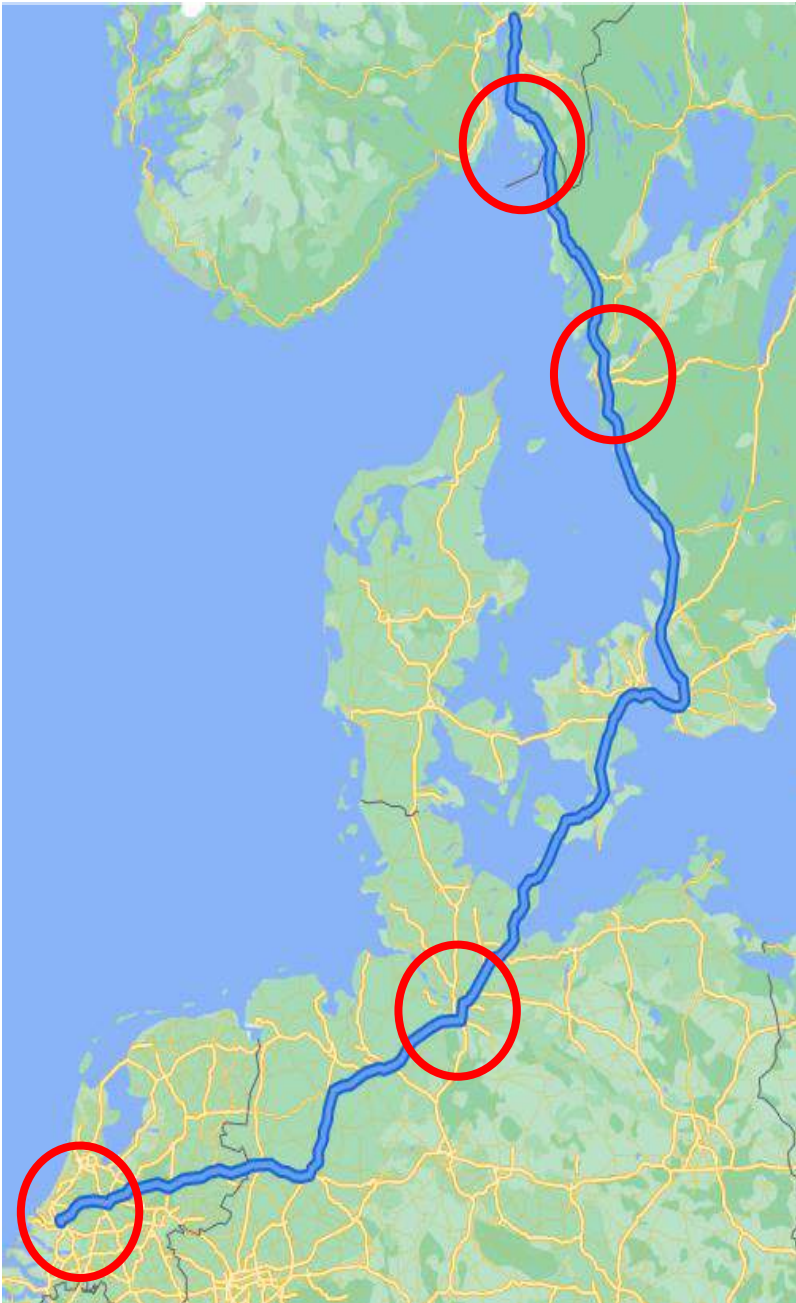
- Border crossing
- Operations in confined areas and on public roads

MODI storyline

Automated transport on logistics corridor from Rotterdam to Oslo



MODI CCAM: Rotterdam to Oslo



The Netherlands: Port operations



Source : Pexels / APM

Germany: Motorway to confined area



Source : HPA

Sweden: Hub-to-hub



Source : Gothenburg RoRo

Norway: Border to port



Source : Jarl Morten Andersen/Dagsavisen

Long-distance freight transport

MODI challenges

Public roads and confined areas

Technical interoperability and connectivity

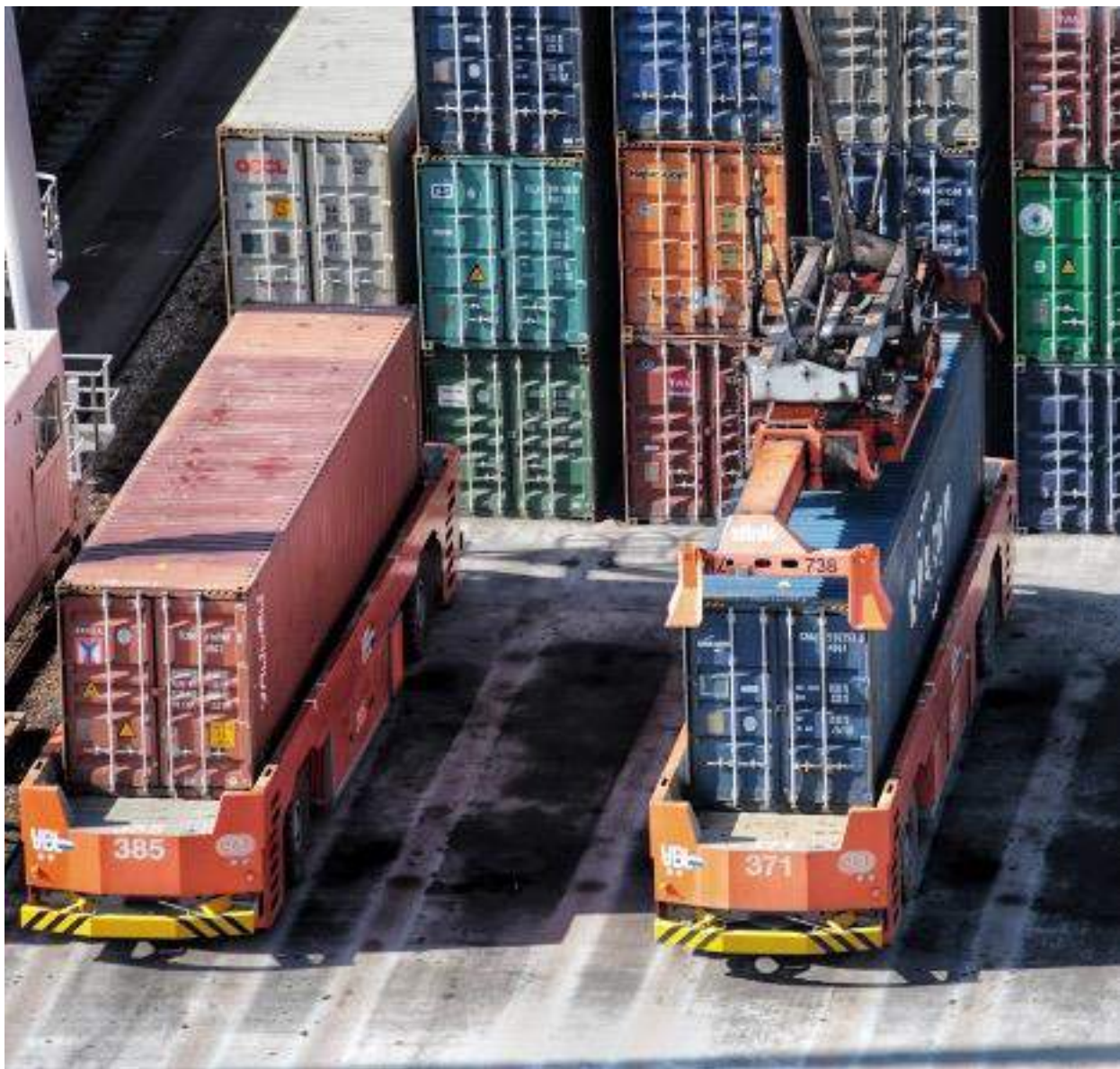
Regulatory framework

Tolling

Charging

Infrastructure readiness - painpoints





Source: Volvo



Source: Einride



Source: DAF Trucks

Frequent discussion points



MAKING USE CASES
TRULY USEFUL



VEHICLE DEVELOPMENT
VS. PDI SUPPORT

THANK YOU FOR YOUR TIME!



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