



Welcome to Aeroflex Webinar Part 2



Van Eck Trailers B.V. | The Netherlands





If you have any questions about the presentation please contact us.

With kindest regards,

Van Eck Trailers B.V.

DE: Wenn Sie Fragen zur Präsentation haben, wenden Sie sich bitte an uns.

Mit freundlichen Grüßen,

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If you haven't already do so

Please use the chat function to write your questions



HIGH CAPACITY ROAD TRANSPORT

FOCUSING INNOVATION ON SMARTER MOBILITY SOLUTIONS FOR SMARTER POLICIES

Efficiency Improvement up to 33% by 2030





Vision; MEET THE COMING CHALLENGES AND INCREASE EFFICIENCY FOR ROAD FREIGHT TRANSPORT

Deliverables AEROFLEX

Recommendations for smart standards

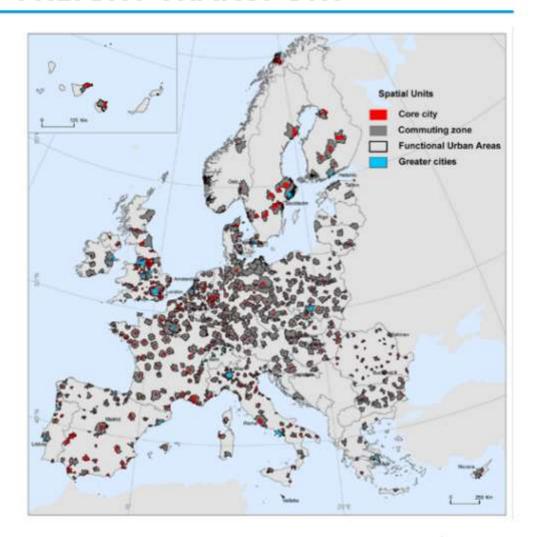
Proven logistics capabilities of future trucks

Proven efficiency of future trucks

Proven concepts and smart standards for future trucks

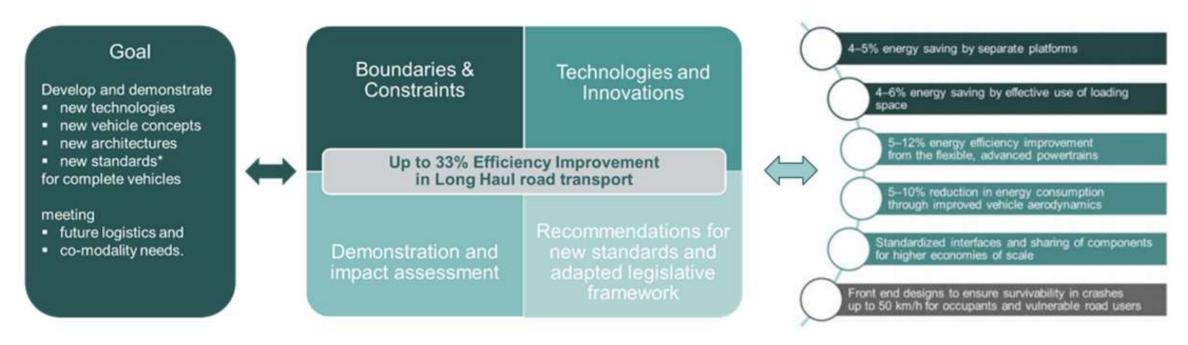


- Contribution in achieving implementation of "The Physical Internet".*
- Optimization of multimodal transport chains by drawing on the advantages of the different modes.





Efficiency improvement up to 33%



^{*}new standards for hybrid-distributed powertrain, aerodynamic devices for complete vehicle, utilisation of loading units, performance based standards (PBS), access to infrastructure in a multi-mode context

The optimal matching of novel vehicle concepts and infrastructures require the definition of smart (performance-based) standards for future trucks, load carriers and road infrastructures (Intelligent Access Policies).

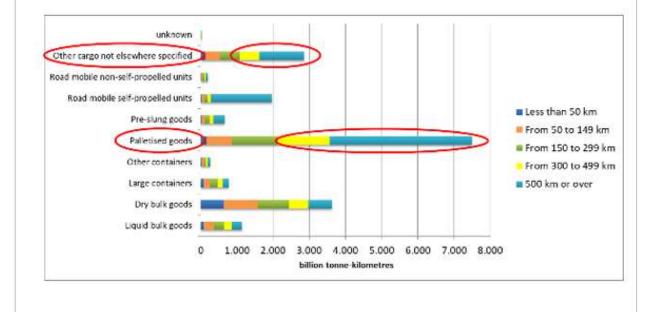


HIGH CAPACITY TRANSPORT –

focus on the right mode and cargo

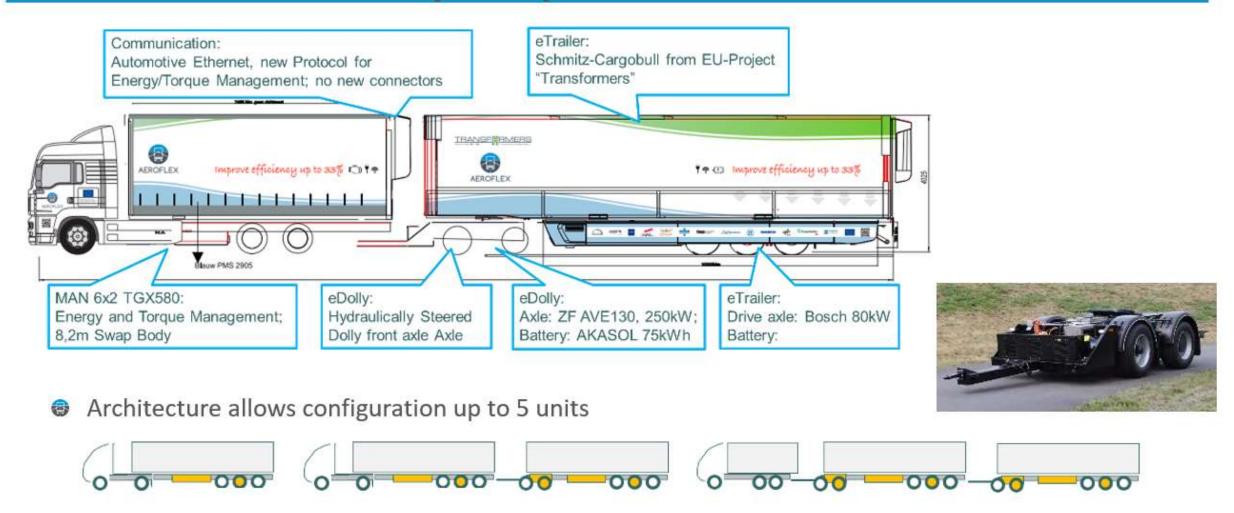
Address logistics concepts for cargo consolidation in logistics hubs and intermodal transport chains Freight village (bergensätruck) temina

Address most relevant cargo units – palletized and other cargo collis / customized boxes on long distance transports





Hybrid distributed powertrain and e-dolly for autonomous yard operations



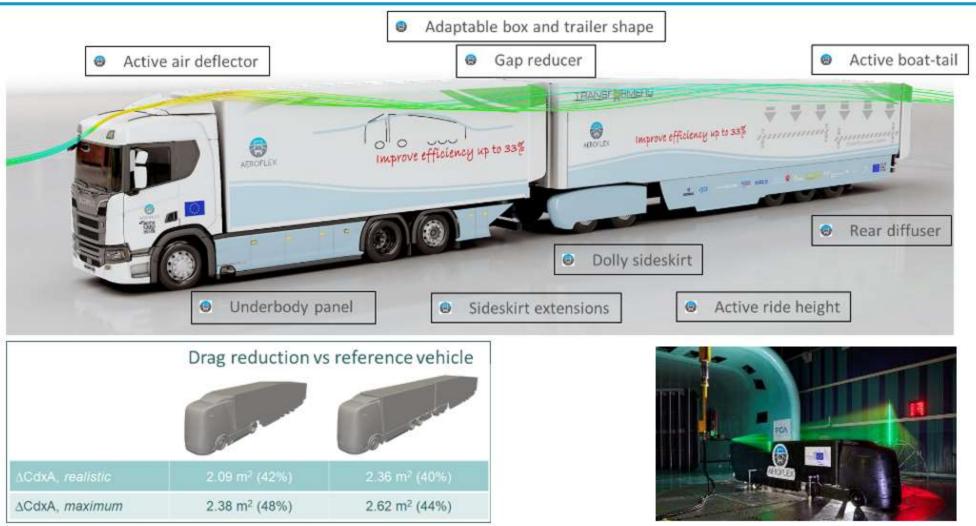


Hybrid distributed powertrain and e-dolly for autonomous yard operations



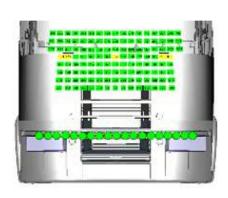


Aerodynamic devices for the complete vehicle

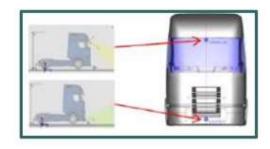


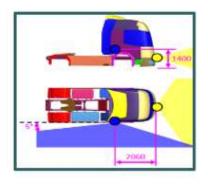


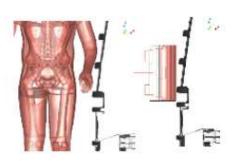
Front end design for improved survivability

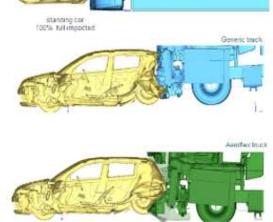


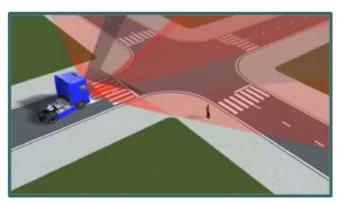


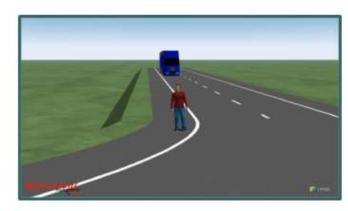






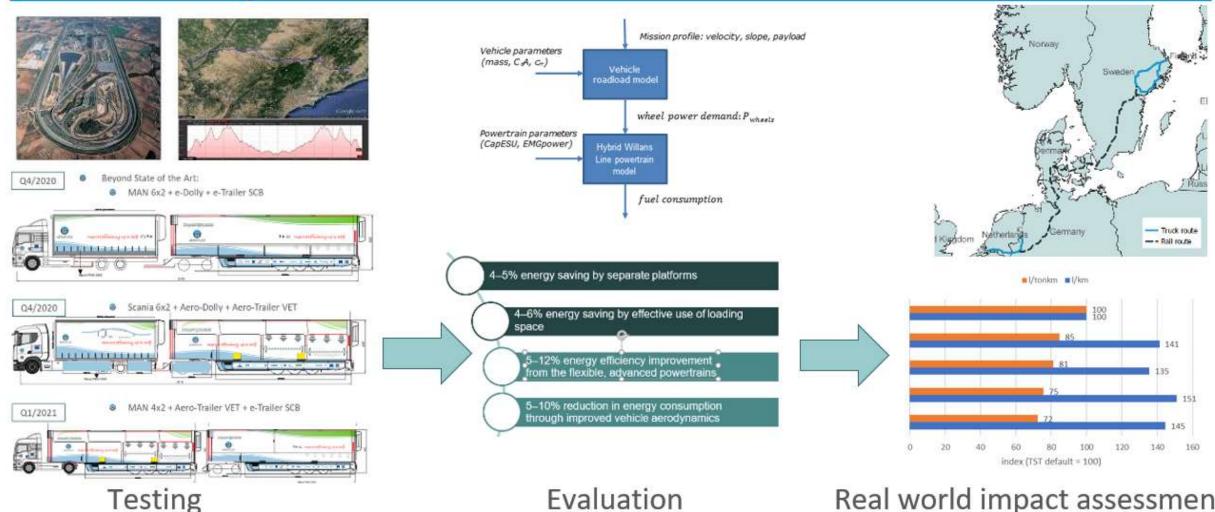








Demonstration, evaluation and impact assessment



Evaluation

Real world impact assessment

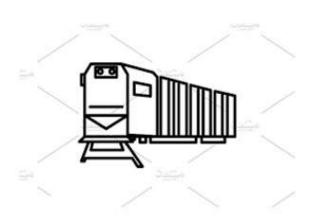
AEROFLEX - VECK - Webinar

8 October 2020



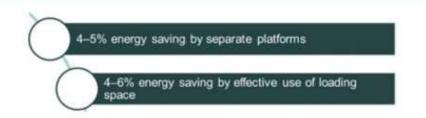
Smart and flexible loading units

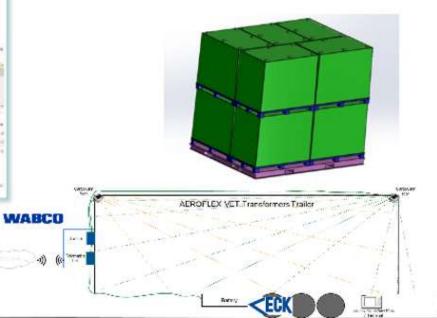
- Three use cases to demonstrate under real-life and conditions
 - Optimization loading of trailers at P&G
 - Trailer to Train by CFL lorry rail Bettembourg le Boulou
 - EMS2 configuration







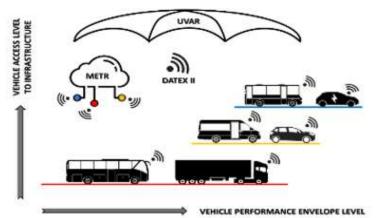




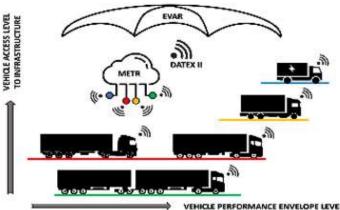


Intelligent Access Policies for Safe and Efficient Use of Infrastructure (example)

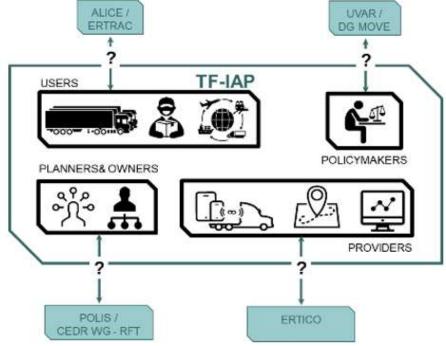
"Pathway to Intelligent Access Policies through Europe to safeguard freight transport in a healthy, safe and environmentally friendly context".



 Urban Vehicle Access Regulations (UVAR) & Management for Electronic Traffic Regulations (METR)
e.g. NORDICWAY project, DG MOVE UVAR pilot



Task force to promote European Vehicle Access Regulations (EVAR) & Management for Electronic Traffic Regulations (METR) for transport of freight in Europe



- The project AEROFLEX has decided to initiate a start of IAP Task Force, find budget to continue the activities driving the IAP-agenda beyond AEROFLEX.
- Join our intiative! -> marta.tobar@idiada.com / www.aeroflex-project.eu



Q&A Session

If you haven't already do so

Please use the chat function to write your questions



We celebrate









Next steps and outlook



- Next meetings
 - SB web-meeting 3-4 November 2020
 - ALICE web-meeting March 2021
 - Final meeting preliminary 22-24 June 2021
 - Project website: https://aeroflex-project.eu
 - Please contact Ms. Marta Tobar <u>Marta.Tobar@idiada.com</u> for participation



Keep healthy



















































