



PARTNERS



CONTACT

Manufacturers

DAF Trucks NV - The Netherlands	www.daf.com
IVECO S.p.A. - Italy	www.iveco.com
MAN Truck & BUS AG - Germany	www.man.eu
SCANIA CV AB - Sweden	www.scania.com
Schmitz Cargobull AG - Germany	www.cargobull.com
Tirsan Treyler Sanayi Ve Ticares AS - Turkey	www.tirsansolutions.com
Van Eck Beesd BV - The Netherlands	www.vaneckgroup.com
VOLVO Technology AB - Sweden	www.volvocars.com

Suppliers

Creo Dynamics AB - Sweden	www.creodynamics.com
Manufacture Francaise des Pneumatiques Michelin - France	www.michelin.com
Uniresearch B.V. - The Netherlands	www.uniresearch.com
WABCO Europe - Belgium	www.wabco-auto.com

Research

Centro Ricerche Fiat SCpA - Italy	www.crf.it
Chalmers Tekniska Hoegskola AS - Sweden	www.chalmers.se
Deutsches Zentrum Für Luft- und Raumfahrt EV - Germany	www.dlr.de
Fraunhofer Gesellschaft für Förderung der Angewandten Forschung E.V. - Germany	www.fraunhofer.de
HAN Automotive Research - The Netherlands	www.han.nl
IDIADA Automotive Technology SA - Spain	www.applusiada.com
The International Union for Road-Rail Combined Transport - Belgium	www.uirr.com
Medizinische Hochschule Hannover - Germany	www.mh-hannover.de
The Netherlands Aerospace Centre - The Netherlands	www.nlr.org
Nederlandse Organisatie voor Natuurwetenschappelijk Onderzoek TNO - The Netherlands	www.tno.nl
Transport & Mobility Leuven N.V. - Belgium	www.mh-hannover.de

Project coordinator Ben Kraaijenhagen
MAN Truck & BUS AG
ben.kraaijenhagen@man.eu

Project manager Annemarie Mahieu
Uniresearch B.V.
a.mahieu@uniresearch.com

Manufacturers



Suppliers



Research



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AEROFLEX

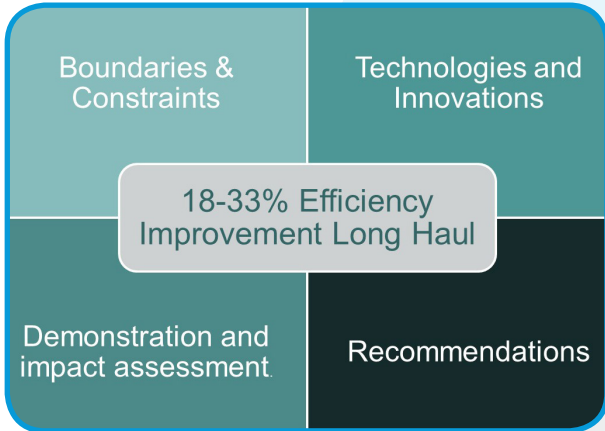
The vision of AEROFLEX is to support the vehicle manufacturers to achieve the coming challenges for road transport.



APPROACH

The goal is to improve efficiency of long-haul freight up to 33% via;

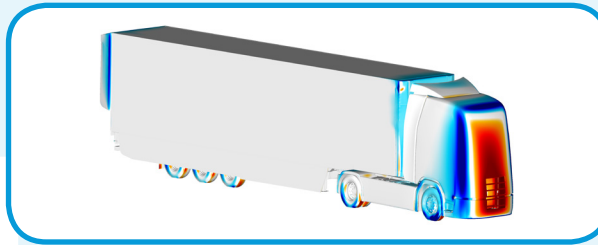
- New technologies, concepts and architectures for complete vehicles
- Recommendations for implementation, meeting future logistics and co-modality needs



The AEROFLEX project has a Sounding Board which consists of representatives of authorities, policy makers, logistics, and industry who advise and help guide the process of defining the recommendations of the solutions developed within the project.



INNOVATIONS



- An Energy Management Powertrain architecture and control for distributed hybrid powertrains
- A smart steerable dolly for EMS vehicles and 'autonomous' manoeuvring
- Smart Loading Units for more effective loading space utilization
- Aerodynamic Features and Devices for the Complete Vehicle that are adaptable to their logistics task
- Vast Demonstration and Impact Assessment Program
- Book of requirements for industry, logistics and policy makers



RESULTS

Smart Loading Units

- 4 - 5% energy saving by separate platforms
- 4 - 6% energy saving by using loading space more effectively

Vehicle Technologies

- 5 - 12% energy efficiency from the integration of advanced powertrains
- 5 - 10% energy saving through improved vehicle aerodynamics
- Front end designs to ensure survivability in crashes

Standardised interfaces leading to higher economies of scale

