



AEROFLEX

Aerodynamic and Flexible Trucks for Next Generation of Long Distance Road Transport

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Publishable Executive Summary

This report provides an overview of the newsletters created in the Aeroflex project. In total 3 newsletters were scheduled but there were actually 4. The newsletters were distributed to all contacts and placed on the website.



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1 Newsletter 1

The first newsletter was sent out in July 2018. The topics addressed were:

- Introduction by the coordinator
- AEROFLEX workshop on logistics
- Market drivers and use cases
- Use cases based on four criteria
- Aerodynamic features for the complete vehicle
- Safety in the AEROFLEX project

The newsletter can be found [here](#).



AEROFLEX Newsletter 1

Dear reader,



With pride we publish our first newsletter. The AEROFLEX project is running according plan.

During the kick off meeting at MAN Truck and Bus in Munich, October 2017, all project partners, 23 in total, and representatives of the Sounding Board were present. Today the Sounding Board consists of 45 members, representing stakeholders from the industry, the LSPs and shippers, research, authorities and policy makers. They will guide us during the entire project ensuring the project results will be in line with their expectations and fulfilling the future challenges in long distance freight transport.

End May 2018 the second General Assembly and Sounding Board Meeting was held at DLR in Berlin. Nearly 80 participants followed a two day event having intensive discussions regarding the customer use cases, the test use cases and the status of the analyses on accidents regarding the front end design of the future long distance truck.

The next milestone in our project will be shown during the [HVT15: "Economy on Wheels"](#). A four day event entirely devoted to high capacity transport. The right platform to present first results of the AEROFLEX project.

Regards,

Ben Kraaijenhagen, Project coordinator on behalf of the entire AEROFLEX Team

2 Newsletter 2

The second newsletter was sent out in November 2018. The topics addressed were:

- Foreword
- HVTT
- Highlight of the first phase of the project
- Test matrix and test protocol
- Sounding Board meeting at HVTT

The newsletter can be found [here](#).

AEROFLEX 2nd newsletter

Dear AEROFLEX follower,

We are proud to publish our **second AEROFLEX newsletter**, which is issued after a successful event during the HVTT15, Rotterdam October 2-5th.

At the HVTT15 over 250 visitors had the chance to experience the activities running in the AEROFLEX project.

The first day of the symposium, AEROFLEX participated in a discussion panel "Roadmap to greener transport" during which innovative and effective solutions to reduce the emissions of the transport sector for the coming decade were discussed. Some of the topics addressed were: vehicle concepts for long haul freight, sustainable use of trucks, electric road systems and smart truck fleet management.

On the second day the AEROFLEX consortium meeting was held for the partners in which all partners reported the status of the work accomplished and future activities.





3 Newsletter 3

The third newsletter was sent out in November 2019. The topics addressed were:

- Foreword
- Testing and assessing the impact of the AEROFLEX demonstrators
- Sounding Board Workshops

The newsletter can be found [here](#).

AEROFLEX - Newsletter 3
November 2019

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Dear reader,

It is a great pleasure to present our third newsletter. We are now at an important stage in the development of the project's activities. The partners work hard to get all the hard-ware ready for the demonstration, testing and evaluation stage, in the year 2020. The Customer Use Cases (P&G - Utilization Loading Unit, CFL - CT Combine Transport, EMS2 - Double Trailer) are secured! The VET-Aero-Trailer including the newly developed Smart Loading Units is already performing its test at P&G.

In this newsletter you will read more about the reference tests, the windtunnel model, the customer use cases, the recommendations for the legal framework and the presentation of AEROFLEX in European conferences.

As the project coordinator I want to thank all project partners and all Sounding Board members for the work done and the support given.

Ben Kraaijenhagen - MAN - Project Coordinator AEROFLEX



4 Newsletter 4

The fourth and last newsletter was sent out in June 2021. The topics addressed were:

- Foreword
- Alice webinar and follow-up
- Demonstrator handover
- Architecture and design of the Smart Power Dolly
- Trailer volume efficiency scaled up from 63% to 87%

The newsletter can be found [here](#).



5 Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

Project partners:

#	Partner	Partner Full Name
1	MAN	MAN TRUCK & BUS SE
2	DAF	DAF Trucks NV
3	IVECO	IVECO S.p.A
4	SCANIA	SCANIA CV AB
5	VOLVO	VOLVO TECHNOLOGY AB
6	CRF	CENTRO RICERCHES FIAT SCPA
7	UNR	UNIRESEARCH BV
8	SCB	SCHMITZ CARGOBULL AG
10	TIRSAN	TIRSAN TREYLER SANAYI VE TICARET A.S.
11	CREO	CREO DYNAMICS AB
12	MICH	MANUFACTURE FRANCAISE DES PNEUMATIQUES MICHELIN
13	WABCO	WABCO Automotive
14	CHALM	CHALMERS TEKNISKA HOEGSKOLA AB
15	DLR	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV
16	FHG	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
17	HAN	STICHTING HOGESCHOOL VAN ARNHEM ENNIJMEGEN HAN
18	IDIADA	IDIADA AUTOMOTIVE TECHNOLOGY SA
19	NLR	STICHTING NATIONAAL LUCHT- EN RUIMTEVAARTLABORATORIUM
20	TML	TRANSPORT & MOBILITY LEUVEN NV
21	TNO	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO
22	MHH	MEDIZINISCHE HOCHSCHULE HANNOVER
23	UIRR	UNION INTERNATIONALE DES SOCIETES DE TRANSPORT COMBINE RAIL-ROUTE SCRL
25	ZF	ZF CV Systems Hannover GmbH
26	VET	Van Eck Trailers



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Disclaimer

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