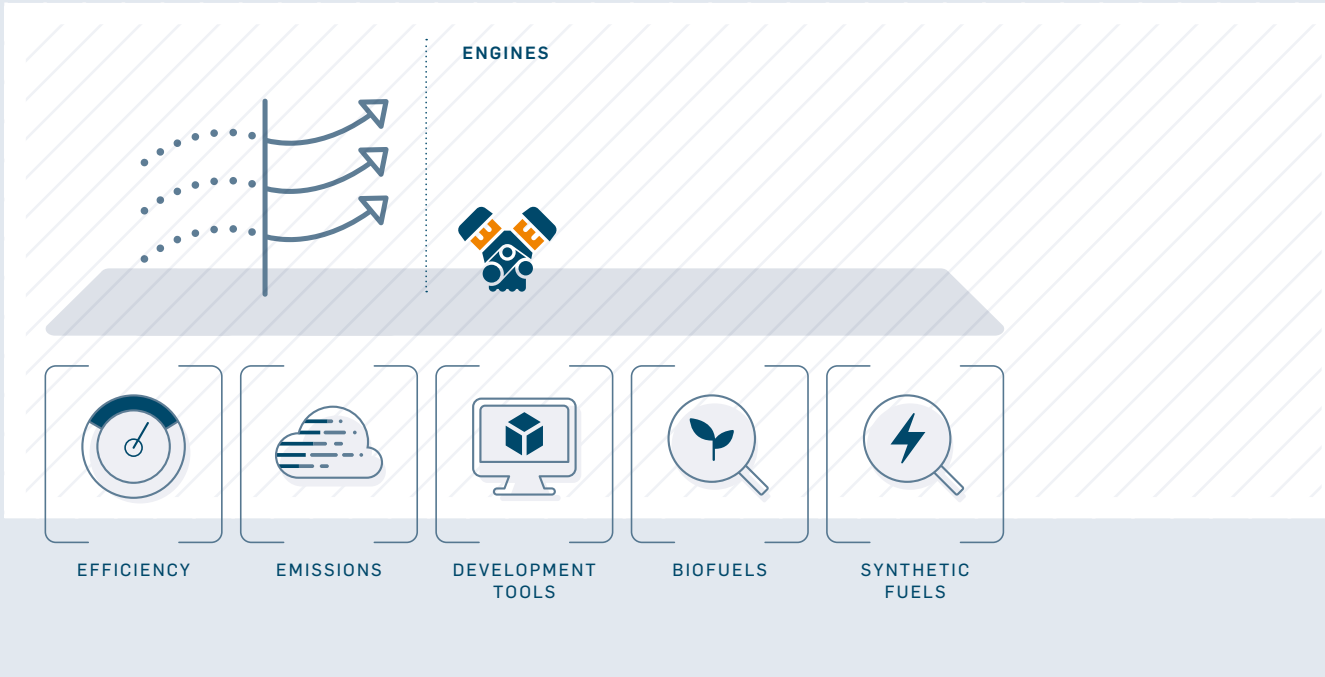


Emissions & Immissions

PLANNING GROUP 6



COORDINATOR

Dr. Volker Schmeißer,
Daimler Truck

PROJECT MANAGEMENT

Max Decker, FVV

PG6 ONLINE



THEMIS

RESEARCH PRIORITIES

Planning group 6, »Emissions & Immissions«, is dedicated to the following topics:

- Emissions for new powertrain concepts
- Alternative fuels
- Fluctuating operating strategies and their effects
- New materials in components that come into contact with exhaust gas

And tackles the following lines of research/ focuses:

- Purification and reduction of exhaust gas, alternative means of reduction
- Modelling approaches for reaction kinetics on the catalyst
- Local condition monitoring of emissions
- High-resolution online measuring techniques
- Lifespan of exhaust gas purification components
- Non-regulated exhaust gas components

PG 6 | RESEARCH PROJECTS



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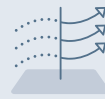
Planned projects

M0121	H ₂ -DeNO _x II // BMWi/AiF	Dr. Frank Bunar, IAV
M1019	TWC Reaction under High-frequency Lambda Switching // CORNET, BMWi/AiF	Toshihiro Mori, Toyota Motor Corporation
M1421	Laughing-gas Aftertreatment on Ammonia Engines	Dr. Daniel Peitz, HUG Engineering
M1519	Residual Emissions on the Road to Zero Impact // BMWi/AiF	Dr. Harald Beck, MAN Truck & Bus
M2019	Exhaust Gas Condensates of Future Fuels – Composition and Impact on EATS	Dr. Andreas Jäger, IAVF Antriebstechnik Dr. Bernhard Lüers, FEV Europe
M2020	CCS on the Decarbonisation of Marine Propulsion Systems // CORNET, FVV-EM	Klaus Meyer, Robert Bosch
M2320	FaconSCR Model // BMWi/AiF	Dr. Harald Beck, MAN Truck & Bus
M2420	High-temperature H ₂ -DeNO _x for H ₂ DI Otto Engines	Dr. Frank Bunar, IAV
M2616	Generation of RDE Test Scenarios // BMWi/AiF	Florian Rass, Honda R&D Europe
M2620	Exhaust Gas Radial Distribution Measurement	Nikos Symeonidis, Toyota Motor Europe
M2720	Oxygen Storage II // FVV-EM	Jeremias Bickel, Robert Bosch
M2918	Predictive EATS in RDE Cycles (PEARC)	Dr. Bernhard Lüers, FEV Europe

Ongoing projects

1324	CFD Analysis of Particle Formation // BMWi/AiF // 01-07-2018 to 30-09-2021	Dr. Paul Jochmann, Robert Bosch
1341	Impact of New Silica-containing Fuels on Exhaust Gas Aftertreatment Components // FVV-EM // 01-03-2019 to 28-02-2022	Peter Lauer, MAN Energy Solutions Andreas Döring, MAN Energy Solutions
1372	Cold Start CNG Catalyst // BMWi/AiF // 01-08-2019 to 31-12-2021	Dr. Michael Fischer, Tenneco
1391	Cleaning Mechanisms in the Exhaust Path // BMWi/AiF // 01-01-2020 to 31-12-2021	Raimund Vedder, Atlanting
1398	TWC Impact on Particulate Properties // BMWi/AiF // 01-03-2020 to 28-02-2022	Dr. Julie Le Louvetel-Poilly, Toyota Motor Europe
1400	Deposits from AdBlue II // CORNET, FVV-EM // 01-04-2020 to 31-03-2022	Raimund Vedder, Atlanting
1412	Zero Impact Tailpipe Emission Powertrains // FVV-EM // 01-09-2020 to 31-08-2022	Dr. Frank Bunar, IAV

↓ Continue on the next page



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Completed projects

1268	Ash Behaviour in Open-pore Filters // BMWi/AiF // 01-03-2017 to 29-02-2020	Dr. Bernhard Lüers, FEV Europe
1292	Ash Behaviour in Wall-flow Filters // BMWi/AiF // 01-12-2017 to 30-11-2020	Dr. Bernhard Lüers, FEV Europe
1294	2030+ Requirements on Emission Control Systems – MD/HD // FVV-EM // 01-02-2018 to 31-07-2020	Dr. Claus Görsmann, Johnson Matthey Dr. Uwe Zink, BASF Catalysts Germany
1315	Oxygen Storage // FVV-EM // 01-07-2018 to 30-09-2020	Jeremias Bickel, Robert Bosch
1319	H ₂ -DeNO _x // FVV-EM // 01-06-2018 to 31-12-2020	Dr. Frank Bunar, IAV
1333	FaconSCR // FVV-EM // 01-11-2018 to 31-10-2020	Dr. Harald Beck, MAN Truck & Bus Dr. Andreas Roppertz, Emission Partner
1359	NO ₂ with Diesel E-Fuels // BMWi/AiF, FVV-EM // 01-05-2019 to 31-03-2021	Dr. Bernhard Lüers, FEV Europe