



REWARD

Improving diesel engine efficiency and reducing CO₂ emissions

"Focusing on the basic principles of fuel-air mixing, combustion, catalytic exhaust aftertreatment, control and enhanced tribology, REWARD's holistic approach supports a comprehensive advancement of Diesel engines."

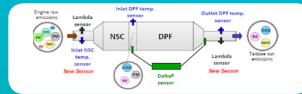
Herwig Ofner - AVL & REWARD Coordinator



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www.project-reward.eu

Advanced Aftertreatment technologies

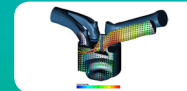


Technologies for High Efficiency

Friction & wear



Advanced Combustion



Integration, Demonstration & Independent testing

RENAULT Kadjar



Volvo X90



Independent testing shall prove:

- $\geq 5\%$ improved fuel economy
- ≥ 3 dB less noise
- $\geq 50\%$ less particle emission
- Compliance with post Euro 6 limits under Real Driving conditions (RDE)

REWARD - key facts



Facts & Figures

Full name:

REal World Advanced Technologies
foR Diesel Engines

Acronym: REWARD
Duration: 36 months
Start date: 1 May 2015
Total budget: 12.5 M€
EU Funding: 9.9 M€

The consortium consists of 16 partners
from 10 different European countries.

Main innovations & targeted results

- Develop and demonstrate advanced 4-stroke Diesel combustion concepts suited for class B/C and D/E passenger cars and LCVs
- Develop and demonstrate advanced exhaust gas after-treatment systems optimized for the new combustion concepts
- Develop an innovative 2-stroke Diesel engine architecture for B/C class vehicles
- Develop and demonstrate advanced friction and wear reduction measures

More information?



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REWARD - partners



Car manufacturers



CRF - Italy
cf.it



RENAULT - France
renault.com



VOLVO - Sweden
volvocars.com

Suppliers



AVL (Coordinator) - Austria
avl.com



Delphi - Luxembourg
delphi.com



Johnson Matthey - UK
matthey.com



LMM - France
le-moteur-moderne.fr



Ricardo - UK
ricardo.com



Schaeffler - Germany
schaeffler.com



Research centres



IFPEN - France
ifpenergiesnouvelles.fr



ViF - Austria
v2c2.at



CNR - Italy
im.cnr.it

Universities



Chalmers - Sweden
chalmers.se



CTU - Czech Republic
cvut.cz



UPVLC - Spain
upv.es

Service



Uniresearch - The Netherlands
uniresearch.com