

H2020-MG-2014-2015 – 636380 – REal World Advanced Technologies foR Diesel Engines

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Project partners:

- 1 AVL AVL List GmbH AT
- 2 REN Renault SAS FR
- 3 VCC Volvo Car Corporation SE
- 4 CRF CRF SCpA IT
- 5 CNRIM Instituto Motori Consiglio Nazionale delle Ricerche (CNR) IT
- 6 JM Johnson Matthey Plc UK
- 7 RIC Ricardo Plc UK
- 8 SCF Schaeffler AG DE
- 9 LMM Le Moteur Moderne FR
- 10 DELPHI Delphi Automotive Systems Luxembourg S.A. LU
- 11 UNR Uniresearch BV NL
- 12 IFPEN IFP Energies Nouvelles FR
- 13 VIF Virtual Vehicle Research Center AT
- 14 CTH Chalmers Tekniska Högskola SE
- 15 CTU Czech Technical University CZ
- 16 UPVLC Universitat Politecnica de Valencia Motores Termicos ES

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Publishable Executive summary

Within the REWARD project, there is a task, which is focused on engine efficiency improvement through friction reduction. An important step in this task is to identify suitable pretreatment for valve train components, which will be coated in a next step. Different pretreatment methods and parameters were tested and a suitable process was found. Afterwards, parts with optimized surface properties for coating deposition were produced.

