



Diesel efficiency improvement with Particulates and emission Reduction

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Project partners:

- 1 – AVL – AVL List GmbH – AT
- 2 – REN – Renault SAS – FR
- 3 – IFP – Energies Nouvelles – IFPEN – FR
- 4 – CMT – Universitat Politecnica de Valencia – ES
- 5 – JM – Johnson Matthey Plc – UK
- 6 – CONTI – Continental Automotive France SAS – FR
- 7 – BOSCH – Robert Bosch GmbH – DE
- 8 – CNR – Consiglio Nazionale delle Ricerche – IT
- 9 – FMF – FPT Motorenforschung AG – CH
- 10 – IVECO – IVECO S.p.A. – IT
- 11 – RCD – Ricardo Plc – UK
- 12 – ECN – ECOLE CENTRALE DE NANTES – FR
- 13 – SIE – SIEMENS INDUSTEY SOFTWARE SAS – FR
- 14 – VIF – Kompetenzzentrum – Das Virtuelle Fahrzeug, Forschungsgesellschaft mbH – AT
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Executive Summary

This document describes the system specifications and designs for the intended improvements of the F1C engine and its subsystems. The change parts were designed according to the considerations shown in D5.1 and are shown in this document. Most are already in procurement, Exhaust Aftertreatment System (ATS) and coolant system require further definition (according to the Description of Work, DoW) and design efforts. These systems will be ready for implementation in the improved Demonstrator vehicle.