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News

Innovation and Industry

Sustainable mobility | Electrified Mobility | IC powertrains | Environmental Analysis of Transport

The LongRun project "Development of efficient and environmentally friendly LONG distance poweRtrain for heavy dUty trucks aNd coaches" has just been launched as part of the European Horizon 2020 program. This project, which will last three and a half years, is being conducted with 30 partners* in 13 countries. Its aim is to develop a complete set of more environmentally friendly powertrains for trucks and coaches with concrete objectives to be achieved: 10% energy saving, 30% lower emission exhaust (NOx, CO and others) and 50% peak thermal efficiency.

IFPEN teams will contribute their skills in the design and characterization of combustion systems for low CO_2 impact fuels (gas, hydrogen, dual fuels, biofuels), as well as in the development of connected eco-routing and eco-driving services to amplify the reduction of energy consumed. LongRun will also contribute to the development of roadmaps related to powertrains and future low carbon impact fuel to contribute to the European Commission's reflections and guide future R&D programs.

** major truck and coach OEMs and their suppliers and research partners*

Launching the LongRun project to improve powertrains for heavy goods vehicles
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