Wartsila and MAN Launches Hercules-2 Research Project

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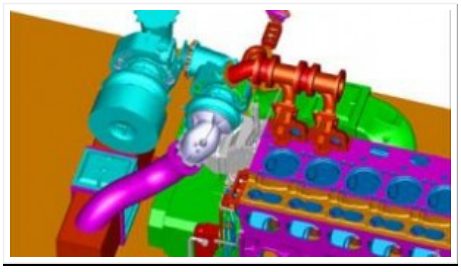

The Hercules-2 research project has been launched by Wartsila and MAN Diesel & Turbo to develop a fuel-flexible marine engine.

The programme initiated by the two major european engine manufacturing groups will continue with a new Hercules -2 projects which are pending approval under the Horizon 2020 EU Framework Programme for Research and Innovation.

The Hercules-2 project is aimed at developing a fuel-flexible marine engine that is optimally adaptive to its operating environment and the work will focus on four areas of integrated R&D divided into Work Package Groups (WPG), as follows: WPG 1 – a fuel flexible engine; WPG II – new materials (for engine applications); WPG III – an adaptive powerplant for lifetime performance; and WPG IV – a near zero emissions engine.

The very latest technologies will be used for integrated solutions, the new project aims to achieve significant reductions in fuel consumption and exhaust emissions.

The project includes several full-scale prototypes and shipboard demonstrators that will speed the development of commercially available products and the co-operation between Wartsila and MAN Diesel & Turbo also involve a number of other European companies, as well as universities and research institutions.

The project will accelerate the shipping industry's transition to better fuel efficiency and a significantly reduced environmental footprint, while strengthening the position of the participating partners in the market place.

The consortium is made up of 32 partners, of which 30% are industrial and 70% are universities and research institutes. The budget is divided between industry and the universities on a 63%– 37% basis respectively.

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