marpower

www.marpowerproject.eu

MARPOWER PROJECT: Efficient zero-emissions gas turbine POWER system for MARitime transport

The MARPOWER project aims to decarbonize maritime transport with net-zero fuels. This EU-funded initiative is developing an innovative energy conversion system with a hydrogen-ready combustion design that can operate on many different sustainable fuels, requiring only minimal modifications.

Read our news and check our socials!

MARPOWER Project

Website

Newsletters

@MARPOWERproject

The objectives

ADVANCE SUSTAINABLE MARITIME TRANSPORT

Enable greener, more energy-efficient shipping through clean power and propulsion technologies.

ACCELERATE THE TRANSITION TO CLEAN ENERGY USE

Reduce fossil fuel dependence and move towards zero-emission shipping with cleaner energy solutions.

SUPPORT ALTERNATIVE FUEL INFRASTRUCTURE

Promote the development of port facilities to supply and distribute sustainable fuels.

INFORM POLICY AND REGULATION

Shape effective frameworks that speed up the adoption of alternative maritime fuels.

The benefits

HIGHER EFFICIENCY

Maximizes energy efficiency and flexibility on a low-range power gas turbine with waste heat recovery and innovative design.

ENVIRONMENTAL BENEFITS

Supports net-zero fuels and reduces emissions including methane slip emissions.

COST-EFFECTIVENESS

Lowers operating costs through improved efficiency and reduced emissions.

FUEL FLEXIBILITY AND RESILIENCE

Runs on diverse clean and renewable fuels, ensuring reliable performance.

Funded by the European Union

Funded by the European Union under grant agreement No 101138341. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

LUT University · POLITECNICO MILANO 1863 · Deutsches Zentrum für Luft- und Raumfahrt (DLR) German Aerospace Center · DTU · Universidade Vigo

Aurelia · ALFA LAVAL · RINA · CHANTIERS DE L'ATLANTIQUE · zabala INNOVATION