EU Horizon 2020 project

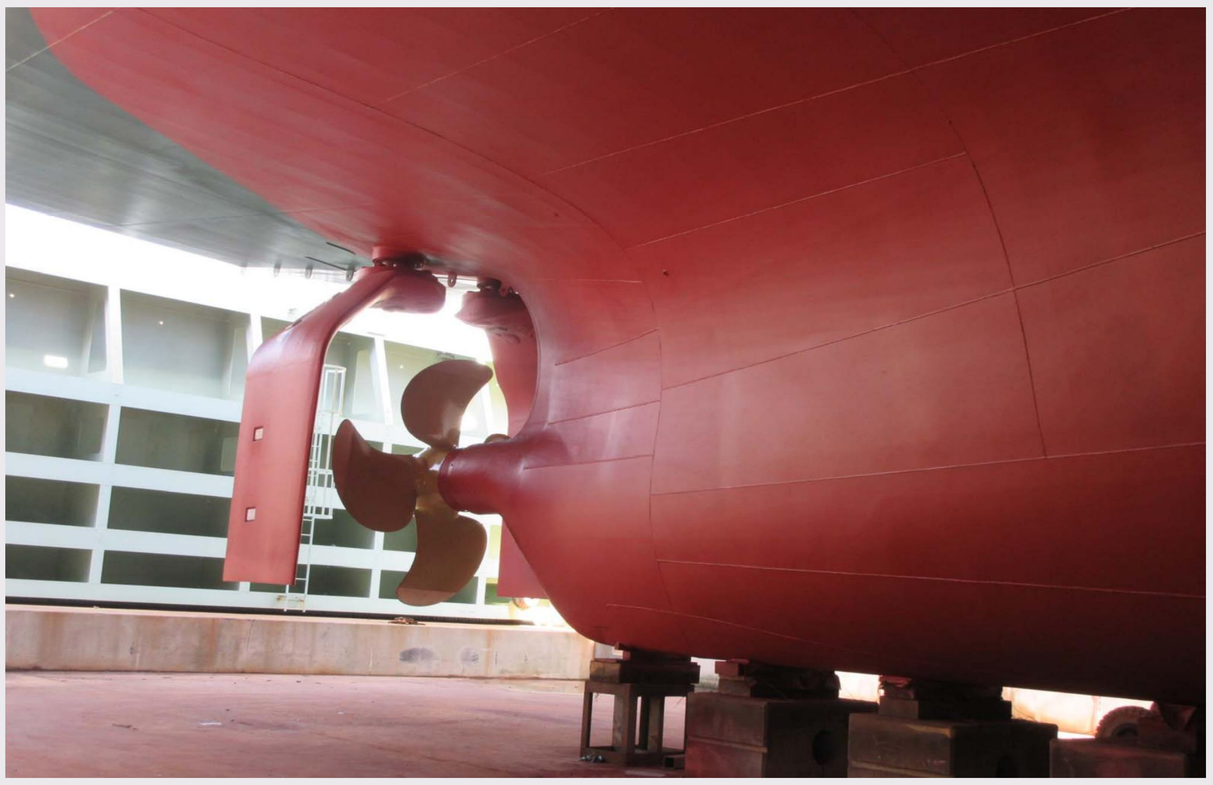
Gate Rudder System as a Retrofit for the Next Generation Propulsion and Steering of Ships

About GATERS

GATERS brings together 18 technology experts and prime stakeholders to demonstrate and exploit the benefits of the innovative energy saving propulsor/manoeuvring device, “Gate Rudder System”, on ships as a retrofit. The 3-years Innovation Action type collaborative project is led by the Strathclyde (NAOME) academics under the EC’s H2020 framework with an approx. 6M EUR budget to develop the next generation green propulsion system

Aims of GATERS

- Demonstrate the GR system for the European short sea shipping operations by installing and operating on a target coastal vessel (5000 DWT cargo ship MV ERGE)
- Exploring the GRS, conceptually for the oceangoing shipping operations.

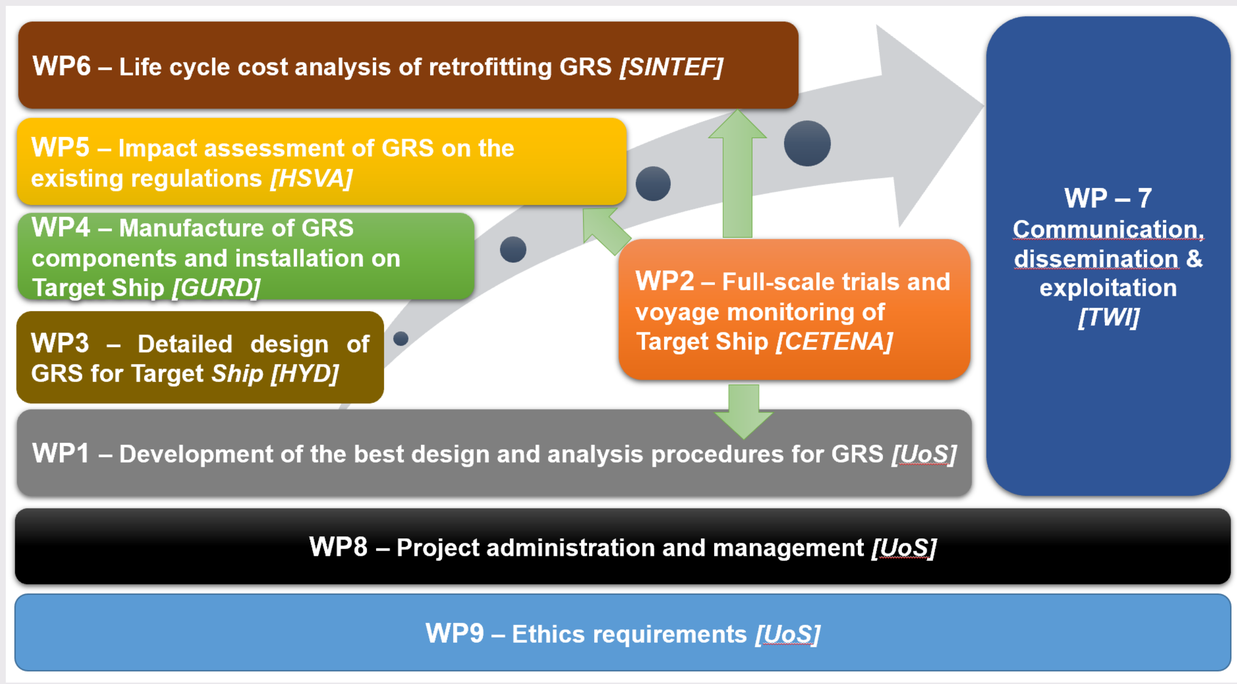


Objectives of GATERS

- To investigate technical challenges of the Gate Rudder System (GRS) and to establish the best practice of application as a retrofit by using a combination of the computational, experimental and full-scale procedures;
- To design a retrofit GRS at a detailed level, to manufacture and install on the coastal target cargo vessel. Hence, to demonstrate the effectiveness of the GRS by sea trials and voyage monitoring.
- To assess the overall impact of the retrofit GRS applications to major ship types for the European SSS operations and the Oceangoing Shipping (OS) operations

GATERS Methodology

The GATERS project aims & objective will be achieved in nine Work Packages



GATERS Partners

GATERS brings together 18 technology experts and prime stakeholders to demonstrate and exploit the benefits of the innovative energy saving propulsor/manoeuvring device Gate Rudder as a retrofit.

This project has received funding from the European Union’s Horizon 2020 research and Innovation programme. Project No. 860337

GATERS project has an official sub-license agreement with Wartsila Netherlands BV to utilise the Gate Rudder Patent (EP 3103715) at specific retrofit projects of vessel sizes below 15000 DWT.