

GATERS Consortiums



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HidroTEKNIK Yat Gemi
Deniz Yapıları Tasarım
Teknolojileri Sanayi ve
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(Turkey)



Istanbul Technical
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TWI Limited
(United Kingdom)



Naval Architectural
Services Limited
(Malta)



CAPA Denizcilik Nakliyat
Sanayi ve Ticaret
Limited Sirketi
(Turkey)



SINTEF Ocean
(Norway)



Danaos Shipping
Company Ltd.
(Cyprus)



Stone Marine Propulsion
(United Kingdom)



Gurdesan A.S.
(Turkey)



UK | Malaysia | Singapore
Newcastle University
(United Kingdom)



STAR BULK
SHIPMANAGEMENT
CO. (CYPRUS) LTD
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Informa UK Limited (LLI - Lloyd's List Intelligence
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GATE RUDDER SYSTEM AS A RETROFIT FOR THE NEXT GENERATION PROPULSION AND STEERING OF SHIPS



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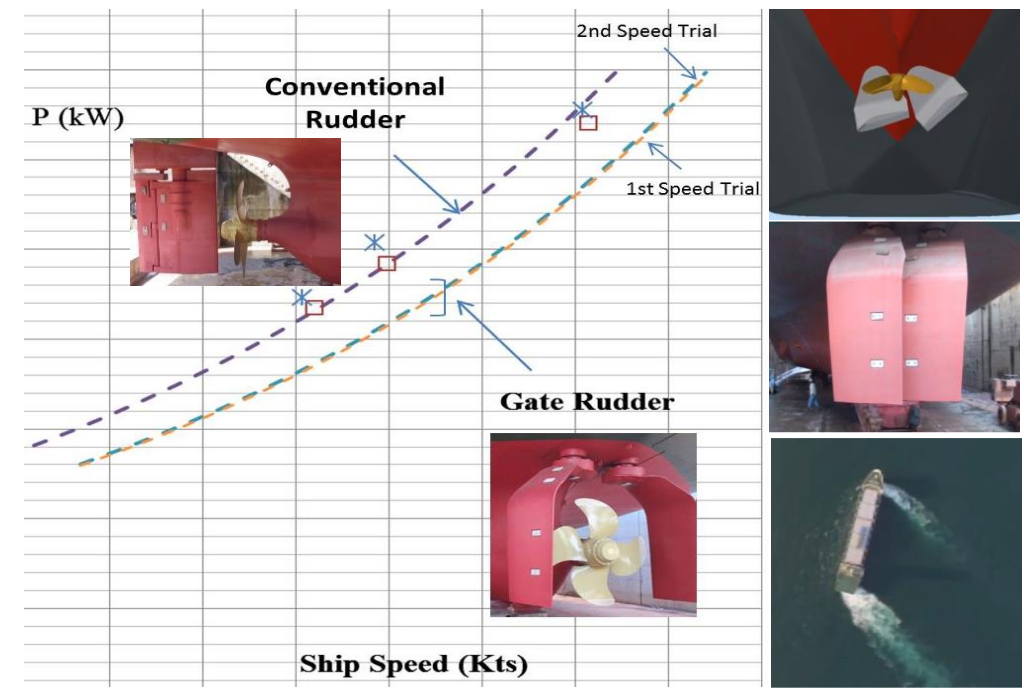
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GATERS Summary

GATERS proposes the first retrofit application of a novel propulsion and manoeuvring device for ships, called **Gate Rudder System (GRS)**.

Taking advantage of the remarkable fuel saving (max of 14% in trials and 30% in-service) and excellent manoeuvrability of the

gate rudder system, GATERS demonstrates significantly reduced emissions from ships particularly within coastal and port areas to challenge and even exceeding the current and future legislative requirements of the IMO and local regulations for emissions.



GATERS Objectives

GATERS aims to bring together 18 technology experts and prime stakeholders, including the patent holder, across 9 countries to

demonstrate and exploit the benefits of this system by two complementary deliverables

- The retrofit demonstration of the system for the European short sea shipping operations by installing and operating on a target coastal tanker.
- The concept exploration of this system for the oceangoing

shipping operations, including fleet level.
Hence to demonstrate if the GRS can be the next generation propulsion and steering system for the waterborne transport.

GATERS Work Plan

The GATERS is a three-phase work programme, i.e. Phase-1; Phase-2; Phase-3, which corresponds to the

1st, 2nd and 3rd year of the project, respectively:

