

GATERS - Project logo, leaflets and posters

Work Package 7

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

Project Acronym: GATERS

Document Control

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Disclaimer and Sub-licence Agreement

Disclaimer

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Sub-licence Agreement

The 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.

GATERS Innovation Action Project is sponsored by the EC H2020 Programme (ID: 860337) with the independent aims and objectives independent of Wartsila Netherlands BV.



Executive Summary

This document is the fifth deliverable (D7.5) of WP7, which presents the dissemination material, development of the project logo, leaflets and posters for the GATERS project.

To provide the project partners and the European Commission (EC) with an updated reference document for the dissemination material development, this deliverable was prepared by presenting the accomplishments on the project logo, leaflets and posters, which included the detailed description. Also, considering the further demands by dissemination and exploitation activities during the life and beyond the project, Deliverable D7.5, therefore, includes the template examples of leaflet and poster.

The electronic copies of finalised versions and their templates are available in the project central file system for the partners to download and use.



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Abbreviations

WP	Work Package
EC	European Commission



1. Document Purpose

1.1 Introduction

As described in Annex 1, The GATERS Project GRANT AGREEMENT [1], Work Package (WP) 7 is entitled "Communication, dissemination and exploitation activities" which aims to coordinate the communication, dissemination, and exploitation (CDEP) activities and support the consortium to present GATERS activities to the world.

The T7.3 of the WP7, entitled "Project dissemination activities", will deliver a database to share with the public and the project partners, regular leaflets, high-quality conference and journal papers, posters.

This deliverable (D7.5) outlines the dissemination material developments on the project logo, leaflets and posters. These materials will be utilised to present and share the main achievements and the rules/regulations proposed by the project as described in subtask T7.3.5.

1.2 Confidentiality

This deliverable will be publicly available on the project website.



2. Logo

Figure 1 shows the logo [2] of the GATERS project. It is available for partners to download and use from central file system.



Figure 1: GATERS project logo

3. Leaflet

The leaflet has been created and used as a dissemination material to outline the aim and objectives, impacts and work plan proposed by the GATERS project. It has been designed based on an A4 sheet size (210mm x 297mm), adapted for a tri-fold leaflet format which results in six panels (three panels on each side of the page).

Figure 2 and 3 Figure 2 show the organisational structure of the leaflet from its front and back respectively. To describe GATERS project, main information, as listed below, has been included in the leaflet:

- Summary, objectives, benefits, work plan, work packages, partner list.
- GATERS logo and funding information, disclaimer, project website and its URL QR code.



Figure 2: Front side of leaflet



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.

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.

BENEFITS

The major benefits brought by GATERS are expected:

Environmental:

- Retrofit solutions will reduce SO_x, NO_x and PM pollution from waterborne transport, particularly around ports, terminals, urban and coastal regions.
- Enable integration of large high power marine fuel cells into ship design and demonstrate their feasibility, cost-effectiveness and identify technical barriers to adoption.
- Significantly, increase the take up of retrofit emission reduction solutions in existing vessels.

Ship Steering and Operation

- Superior Steering
- Comfort Operation: Reduction of noise and vibration
- Shorelines and Seabed Friendly: Low Wash
- Safe Operation-Performance in waves
- Remarkable energy saving

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:

Phase-1: The investigation of the technical challenges and solutions

Phase-2: The detailed design and manufacturing of the retrofit system on the target coastal vessel

Phase-3: The demonstration of the retrofit technology on the target vessel and its impact assessment comprising other ship types

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Figure 3: Back side of leaflet

Moreover, to enable each partner to produce consistent leaflets across the project, a basic leaflet template [3] has been provided in the central file system to download. Figure 4 and 5 show the front and back side of the leaflet template respectively.





Figure 4: Front side of leaflet template

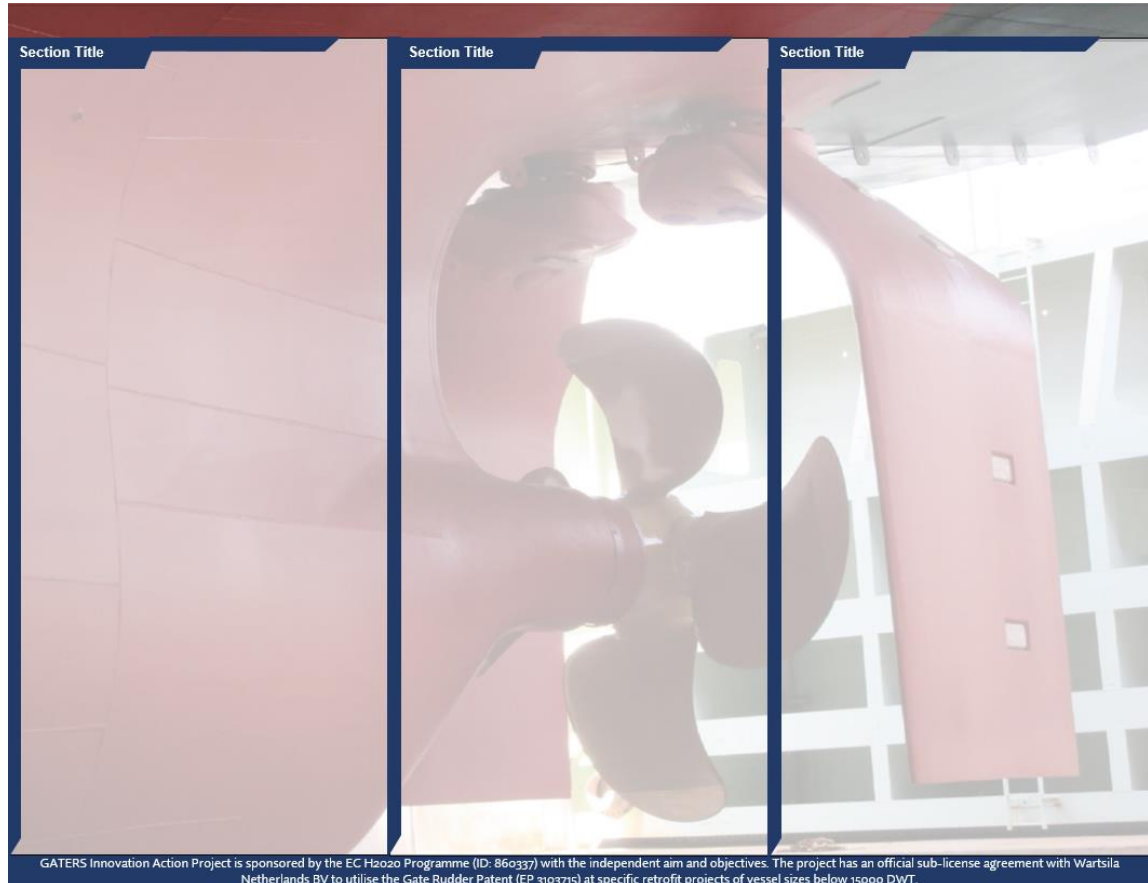


Figure 5: Back side of leaflet template

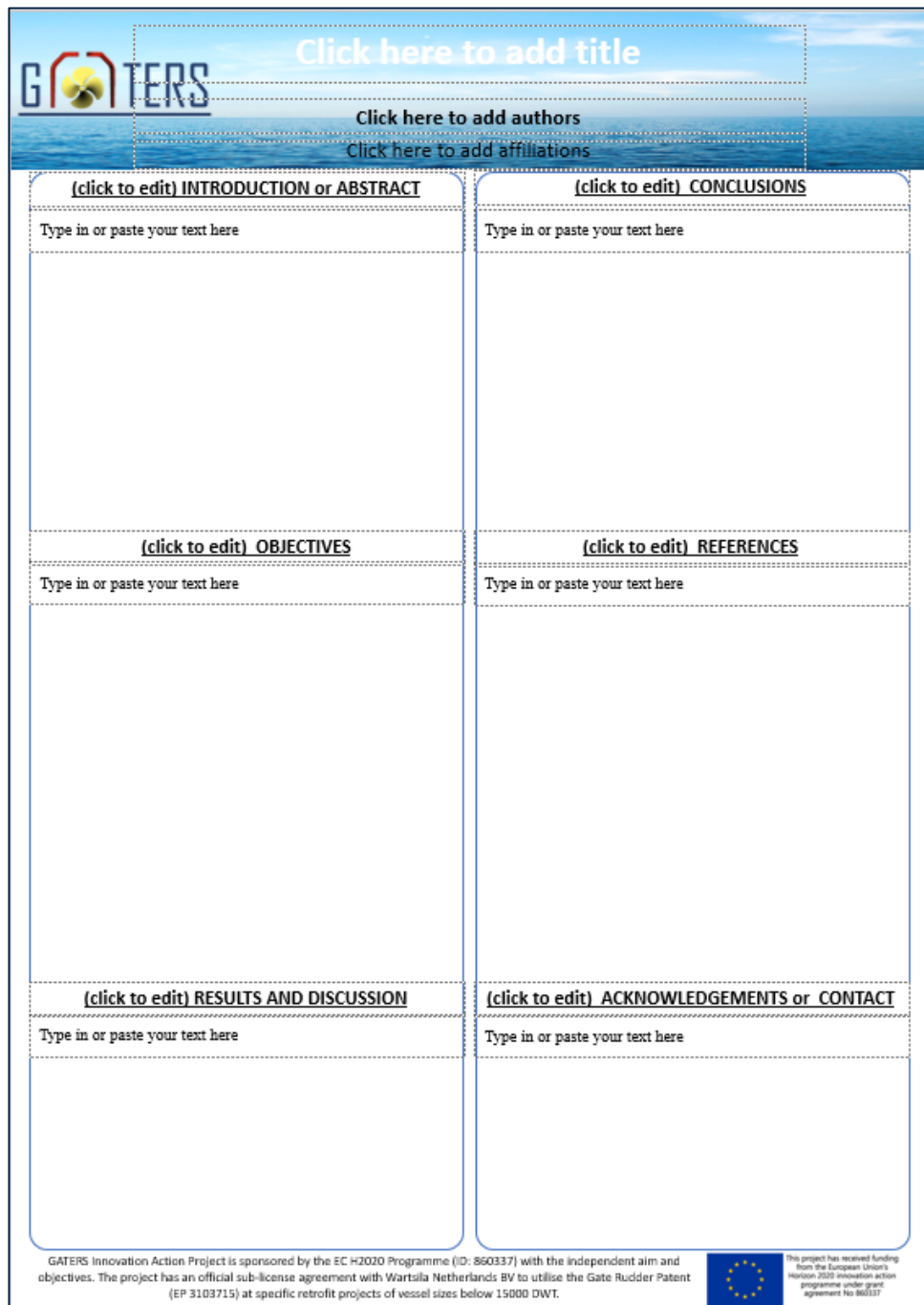


4. Poster

The template of the poster [4] has been created based on an A0 sheet size (1189 mm x 841 mm). Within the poster template, below listed main information has been included:

- Title, introduction / abstract, objectives, summary, reference.
- GATERS logo, EC flag and funding information

Figure 6 presents a poster template in portrait orientation.



The poster template is a vertical rectangle with a blue header and footer. The header contains the GATERS logo on the left and a large text box with the placeholder "Click here to add title". Below the title box are two smaller text boxes for "Click here to add authors" and "Click here to add affiliations". The main body of the poster is divided into six sections by dashed lines, each with a "click to edit" link and a placeholder "Type in or paste your text here":

- INTRODUCTION or ABSTRACT** (top left)
- CONCLUSIONS** (top right)
- OBJECTIVES** (middle left)
- REFERENCES** (middle right)
- RESULTS AND DISCUSSION** (bottom left)
- ACKNOWLEDGEMENTS or CONTACT** (bottom right)

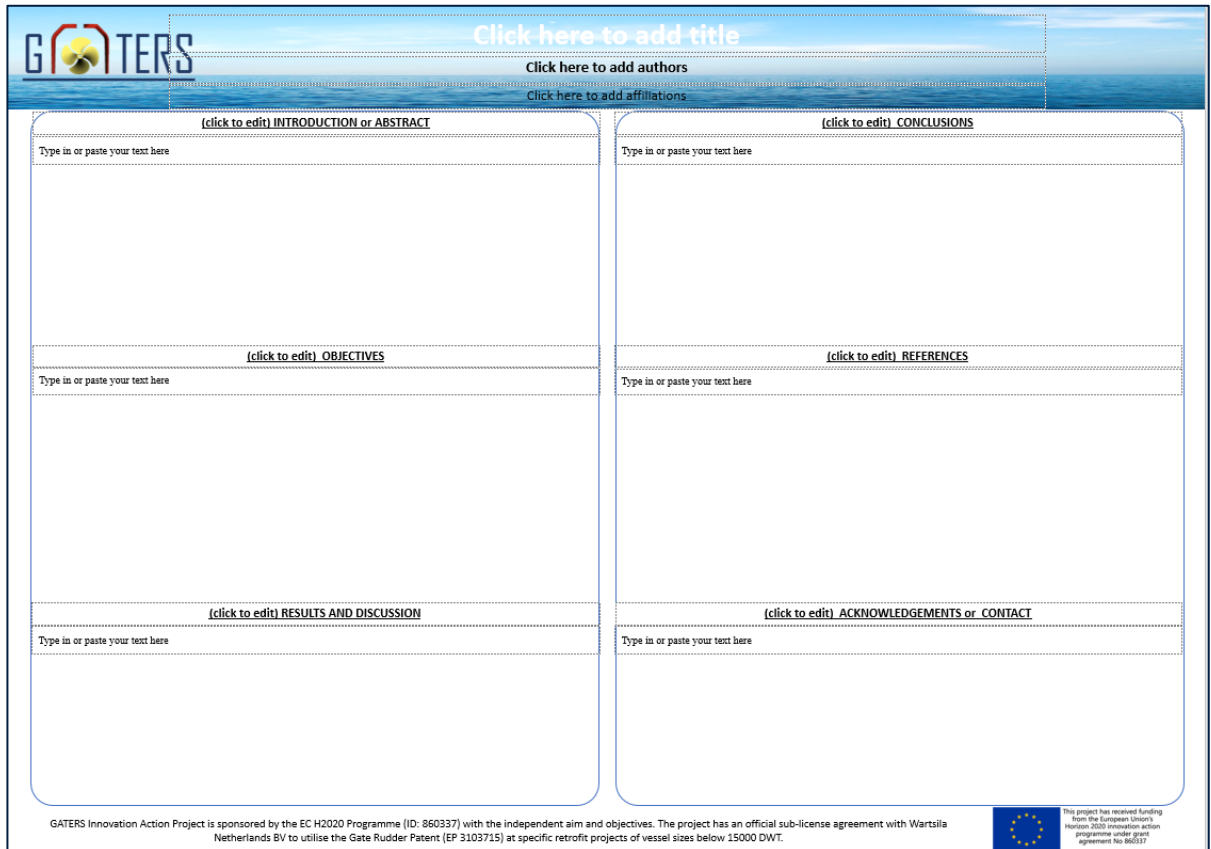
The footer contains two columns of text. The left column states: "GATERS Innovation Action Project is sponsored by the EC H2020 Programme (ID: 860337) with the independent aim and objectives. The project has an official sub-license agreement with Wartsila Netherlands BV to utilise the Gate Rudder Patent (EP 3103715) at specific retrofit projects of vessel sizes below 15000 DWT." The right column features the European Union flag and the text: "This project has received funding from the European Union's Horizon 2020 innovation action programme under grant agreement No 860337".

Figure 6: Poster template: portrait orientation



Alternatively, as shown in Figure 7, a poster template produced in landscape orientation has also been provided for project partners to use.

Furthermore, considering different purposes, different sized poster templates, such as A1 (841 mm x 594 mm), A2 (594 mm x 420 mm) and A3 (420 mm x 297mm), are available as well for project partners to download from the central file system.



The poster template is a landscape-oriented form with a blue header. The header contains the GATERS logo on the left and three links: 'Click here to add title', 'Click here to add authors', and 'Click here to add affiliations'. Below the header, the form is divided into two columns and three rows of text boxes. Each text box has a title and a placeholder 'Type in or paste your text here'. The sections are: (left column) 'INTRODUCTION or ABSTRACT', 'OBJECTIVES', and 'RESULTS AND DISCUSSION'; (right column) 'CONCLUSIONS', 'REFERENCES', and 'ACKNOWLEDGEMENTS or CONTACT'. At the bottom left, there is a paragraph of text: 'GATERS Innovation Action Project is sponsored by the EC H2020 Programme (ID: 860337) with the independent aim and objectives. The 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.' At the bottom right, there is the European Union flag and a small text box: 'This project has received funding from the European Union's Horizon 2020 innovation action programme under grant agreement No 860337.'

Figure 7: Poster template: landscape orientation



5. Summary

This document provides the project partners and the European Commission (EC) with an updated reference document for the project logo, leaflet and poster developments. The electronic copies of finalised versions and their templates are available in the project central file system for the partners to utilise.



6. References

[1] GATERS (2020). "GATE Rudder System as a Retrofit for the Next Generation Propulsion and Steering of Ships", Annex-I Description of the action, H2020 Collaborative project, Grant agreement no: 860337.

[2] Project logo: <https://twi.sharefile.com/home/shared/fo2d36fa-6eba-4134-873e-b2ec372f5bda>

[3] Leaflet and template: <https://twi.sharefile.com/home/shared/fodc86c4-c888-4970-8124-4de8f8d6bfd7>

[4] Poster Template: <https://twi.sharefile.com/home/shared/fo7a7988-2703-4997-9a3e-681150cd1f4d>

