News & updates

Vol.3 - July 2023

DT4GS Activities

This is the **3rd newsletter** on behalf of the **DT4GS** consortium. The **DT4GS** project is now in its **13th month** of implementation. In these months, the consortium has made significant developments on the following:

- Demonstration of DT4GS platform and applications
- LL1 Tanker-centric DT
- LL2 Containership-centric DT
- LL3 RoPax – centric DT
- LL4 Bulkers- centric DT

Where we are: reflecting on the current year of DT4GS Project

From 5 to 6 June 2023, at the facilities of Valencia Port Authority in Valencia, Spain, a series of activities, meeting and workshop took place, in order to prepare the forthcoming year of work and to collect key-data. The event started with the 2nd consortium meeting of the

project, gathering all the partners in order to discuss the first year of the project, the main achievements until the moment, the preparation for reporting period and to discuss the next steps, taking collective decisions, led by Georgia Tsiochantari, Coordinator of DT4GS project from INLECOM. As one of the latest developments in the project, was the **first application of the digital twin framework**. Closing the second day of the meeting, the DT4GS project achieved the major expected outcomes of the meeting and discussed the main priorities for the next 6 months.

This **June** also, from 19th to 23rd DANAOS partner participated at the LMDE conference (https://lmde2023.org/). The main topics presented were:

- DT4GS objectives
- the methodology
- the main key achievements
- latest progress to the session devoted for “AI in Shipping.

Getting more in the details DT4GS is aimed at making Digital Twin technology readily available to the shipping industry to support accelerated transition to zero emissions. The objectives were presented below:

1. **Open Ship Operational Optimization Digital Twining Infrastructure (*industry–ready by June 2024*)** built on top of a Waterborne Sector Data Space to support shipping companies:
    - build their own ship specific DTs focusing on voyage optimization (speed, trim, route/JIT arrival/ vessel health)
    - quantifying the effect of the different decarbonization pathways on the vessel emission profile, technical and economic.
2. **A Multi-stakeholder green shipping transition methodology** underpinning a collective **DT capability for the waterborne industry** to harmonize and increase synergies between DT applications in shipping companies, shipyards, equipment manufacturers, class societies, ports, and policy makers.

DT4GS invitation to the 1st Advisory (Strategy) Board meeting

DT4GS is also glad to announce its 1st Advisory (Strategy) Board meeting. The event will take place on 28th September 20232 in Brussels. The project will present its main objective and goals as well as the **Demonstration of DT4GS platform**, **LL1 Tanker-centric DT**, **LL2 Containership-centric DT, LL3 RoPax-centric DT**, **LL4 Bulkers-centric DT** last but not least the coordinator will present the **Strategy for DT4GS Alliance**.

FIND OUT MORE ON OUR WEBSITE

COMMUNICATION HIGHLIGHTS

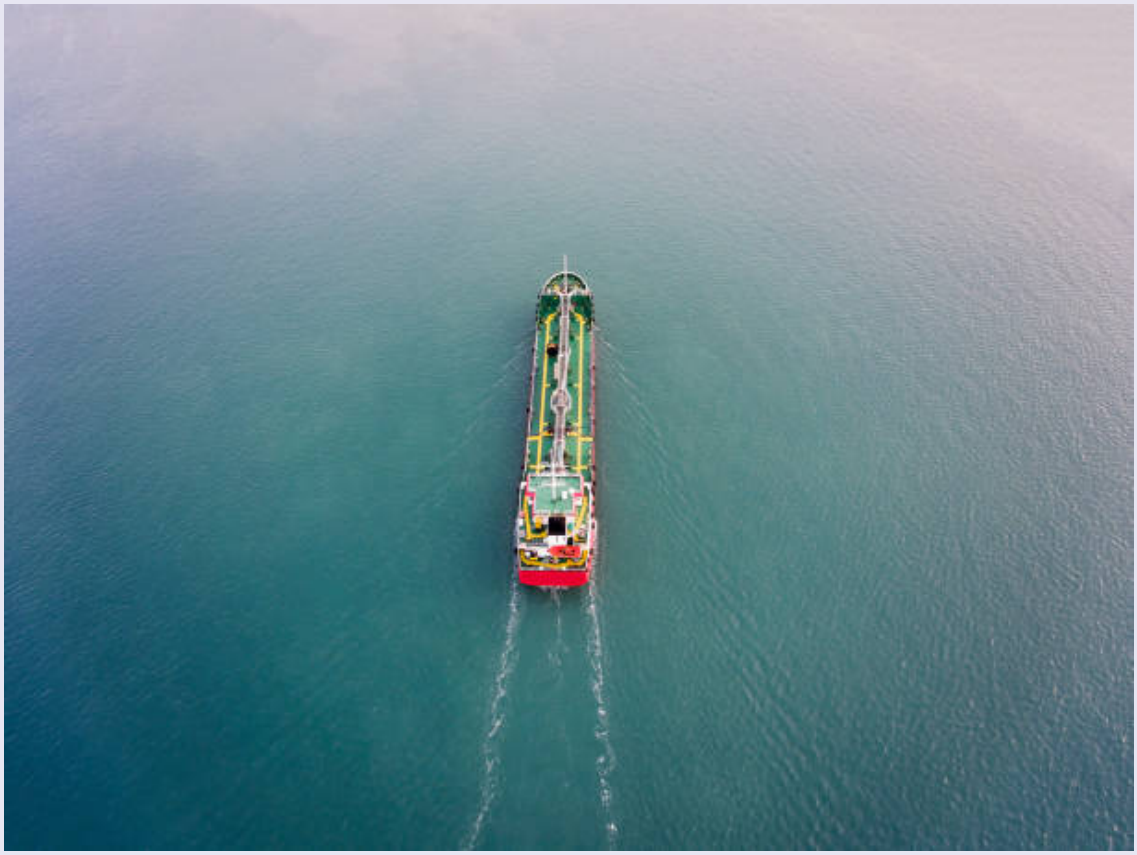
- DT4GS videos are available **here**
- The project's flyer and leaflet available on the **website**.
- Project's press release is available **here**.
- Project's publications are available **here**

DT4GS 1st Advisory Board invitation

Download agenda

DT4GS project , funded by the European Commission (GA N0.101056799) establishes the DT4GS ALLIANCE, a consortium of leading organizations working together to accelerate the decarbonization of the shipping industry through the use of Digital Twin technology.

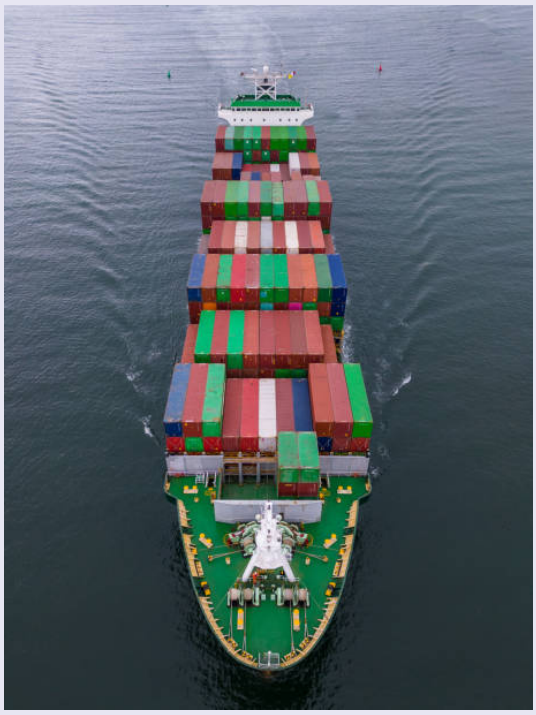
DT4GS News



Executive summary of DT4GS Value-oriented Analysis in enabling Shipping Decarbonisation

The deliverable presents and describes a value-oriented analysis in enabling shipping decarbonization. This is achieved through framing the key decarbonization enablers as discussed in the scientific and industrial bibliography, its risks and opportunities, potential transition challenges and headwinds, stakeholders and a deep dive on decarbonization imperatives – regulation, financing (i.e., carbon credits, Green Taxes, etc) in the context of the latest EU disclosures, infrastructure and technology.

Read more



Hull and robotics inspection models

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LMDE
LEADING AND MANAGING IN THE DIGITAL ERA

DANAOS participation at the LMDE conference – June 19-23, 2023

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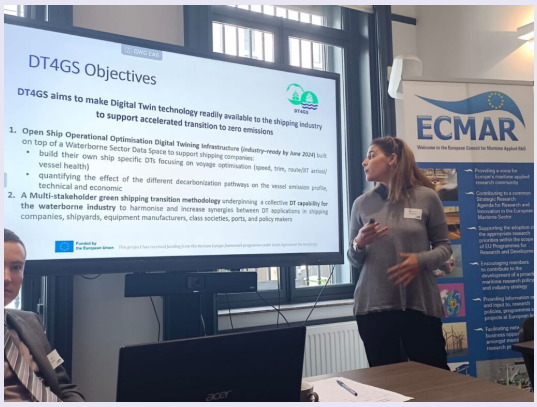
A final output on DT4GS Value-oriented Analysis in enabling Shipping Decarbonisation

Read more



DT4GS Presentation at ECMAR event in Brussels – 11/05/2023

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DT4GS Flyer

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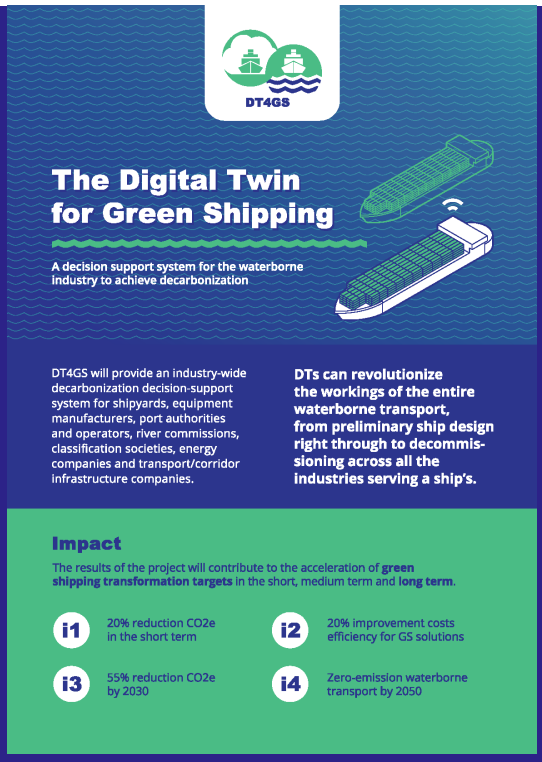

DT4GS

DT4GS will provide an **industry-wide decarbonization decision-support system** for shipyards, equipment manufacturers, port authorities and operators, river commissions, classification societies, energy companies and transport /corridor infrastructure companies.

Go to our website →

For more information about the DT4GS project, please feel free to contact us at **info@dt4gs.eu**

DT4GS is on social media!
Follow us and stay up-to-date!

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