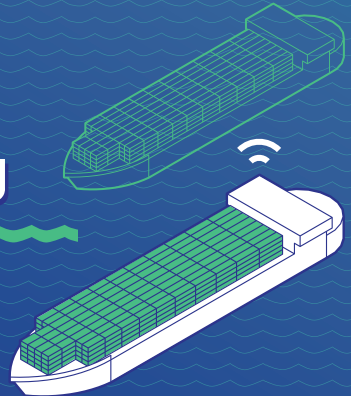




The Digital Twin for Green Shipping

A decision support system for the waterborne industry to achieve decarbonization



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.

DTs can revolutionize the workings of the entire waterborne transport, from preliminary ship design right through to decommissioning across all the industries serving a ship's.

Impact

The results of the project will contribute to the acceleration of **green shipping transformation targets** in the short, medium term and **long term**.

i1 20% reduction CO₂e in the short term

i2 20% improvement costs efficiency for GS solutions

i3 55% reduction CO₂e by 2030

i4 Zero-emission waterborne transport by 2050

The scientific breakthrough of the project is to go beyond the current state of the art

DT4GS has set the ambitious target of playing a key role in the realisation of the potential benefits of DTs towards zero-emission shipping.

- Going beyond current advancements in **ship operational optimisation**
- Going beyond current advancements in **ship design & testing**
- Going beyond **technology implementation** to address shipping's industry stakeholders to innovate
- Going beyond a **uni-sectoral focus**
- Going beyond **piecemeal approaches**

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



Partners

The DT4GS Consortium represents a multidisciplinary group composed of 21 partners from 10 countries within the European Union.



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