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GASVESSEL - CNG sea transportation project

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GASVESSEL project aims to prove the techno-economic feasibility of a new CNG transport concept enabled by a novel patented Pressure cylinder manufacturing technology and a new conceptual ship design including safe cargo handling.

It introduces an innovative solution for manufacturing Pressure cylinder that are 70% lighter than state-of-the-art alternatives. These superlight Pressure cylinders enable new ship designs with much higher payloads and dramatically lower transportation costs per volume of gas.

Where the exploitation of stranded gas is currently economically not viable, GASVESSEL brings a solution, as a cost-efficient and flexible CNG transport system that can unlock energy resources and decrease Europe's dependence on a single supplier by serving as a flexible interconnector, which enables energy to flow freely across the EU.

The project supports the EU's Maritime Transport Strategy in which maritime transport is considered key to securing Europe's energy supply.

The validation and proof of concept of the GASVESSEL project is performed by a cost-benefit analyses (financial viability), safety assessment, environmental impact analyses and value chain business cases development in relation to real-life geo-logistic scenarios.

The project is carried on by 12 European Partners and coordinated by Navalprogetti.

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