What is GASVESSEL?

The GASVESSEL project provides a novel, efficient and flexible method for transporting Compressed Natural Gas (CNG) that contains:

- Innovative manufacturing process for pressure cylinders – 70% lighter than state-of-the-art alternatives.
- New ship designs that have much higher payloads and dramatically lower transportation costs per volume of gas.

Where the exploitation of stranded, associated and flared gas is currently not viable economically, GASVESSEL brings the solution. As a cost-efficient and flexible CNG transport system that unlocks energy resources and decreases Europe’s dependence on a single supplier.

Focus

The GASVESSEL project focuses on:

- Development and piloting of lightweight pressure cylinders;
- New ship designs based on the new pressure cylinders;
- Geo-logistic gas exploitation scenarios for the East Mediterranean, Barents Sea and Black Sea gas fields;
- Proof-of-concept through cost-benefit analysis, environmental evaluation and safety classification.

Benefits

GASVESSEL has far-reaching benefits for Europe’s energy supply and oil & gas exploitation:

- Securing Europe’s energy supply by opening up new supply routes.
- Cost-efficient and flexible CNG transport: GASVESSEL outperforms composite cylinder CNG-type 3 technology;
- Making the exploitation of stranded, flared and associated gas fields economically viable;
- Promoting the use of natural gas as an energy source. Natural gas emits up to 60% less CO2 than coal.


GASVESSEL Consortium

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