

CORE LNGas hive: **EV4**

Barcelona. Tugboat powered by GNC

Feasibility study for the construction of a natural gas-powered tugboat, designed specifically for the characteristics of the ports of the Western Mediterranean.



Natural gas-powered tugboat feasibility study in Barcelona



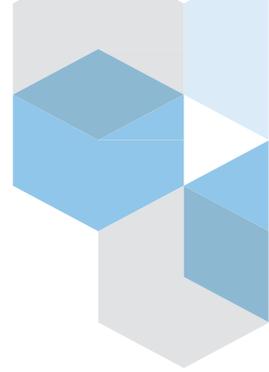
Dual-Fuel Engine Solution

Partners involved



CORE LNGas hive: **EV4**

Barcelona. Tugboat powered by GNC



Results

Study development

- **Needs and requirements of the tugboat**
- **Conceptual tugboat design**
- **Supply logistic study**
- **Risk analysis**
- **Operative and technical analysis**
- **Economic viability study**

Challenges	End Date	Budget
LNG acceptance by the workers	December 2018	360.000 €