

advisory: case study

LNG supply options proposed Mediterranean regasification project in a changing global LNG market

situation

A Government entity considered the introduction of natural gas to the power sector to reduce costs of generation. The purchase of imported natural gas is therefore required.

value driver

An integrated, experienced team of technical and commercial LNG experts with a clear understanding of the study objectives and proven project experience of similar such studies.

result

Definition of a clear roadmap, implementation plan and risk register for the screening, selection & execution of the optimal interim regasification project until indigenous natural gas is available.



challenge

Based on the analysis of the various options of LNG supplies, the objective was to identify and propose a project, an appropriate process and a timetable for the timely supply of gas to market the before 2020. The proposed project includes the definition of the necessary infrastructure, commercial structure and sources of financing.



io approach

- ✓ to identify the client's value drivers and associated risks from the kick-off meeting
- ✓ identify gas market size requirements and define the LNG contracting strategy options
- ✓ base technical concept screening and selection on the initial findings from the preceding domestic demand and international LNG market forecast work
- ✓ proposed project definition as an output from the option screening process and present to the client and other project stakeholders at an interim meeting



actions taken

- ✓ set out a detailed description of the methodology and approach to execute the scope of services with an emphasis on the specific tasks, critical issues, data requirements and task outputs
- ✓ utilised the Ghana 2016 LNG Imports Feasibility Study to illustrate experience of successfully delivering comparable high quality projects to international standards

advisory capability

io provides a uniquely integrated technical and commercial approach to project and portfolio evaluation

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holistic technical support

- / resource & reserve estimation and reservoir modelling
- / full field development conceptualisation and planning
- / cost estimation and scheduling
- / technical/commercial due diligence evaluation

economic and financial support

- / project valuation, screening, selection and optimisation
- / portfolio analysis and value optimisation
- / project finance, consortium design and management
- / acquisition, divestment and bid round negotiation support

commercial and regulatory support

- / licence and contract terms review
- / contracting strategy and innovative approaches
- / oil & gas market studies including LNG
- / partnership issues; partner evaluation and selection
- / strategic advice (e.g. M&A) to clients & governments (e.g. gas utilisation, power generation etc.)
- / fiscal modelling and regulatory assessment

risk and uncertainty evaluation support

- / systems thinking approach and decision quality (DQ) framework
- / quick and insightful traffic light type risk register format
- / bespoke risk evaluation tools: sensitivity analysis, Monte Carlo simulation and Real Option Analysis