



# DNV in the LNG Industry

Selected References

DNV Energy



MANAGING RISK

## INTEGRATED RISK MANAGEMENT

Investments are characterized by large uncertainties from a wide range of sources, which appear at different points in time, and may be of a completely different nature. We assess the total risk of the investment.

## PROJECT RISK MANAGEMENT

Project Risk Management proactively identifies shortcomings and opportunities that may influence the success of your project. Our risk based methods provide a clearer picture of the decision implications and the pros and cons of the various decision options.

## CHANGE MANAGEMENT AND PROCESS IMPROVEMENT

Recognizing and managing change whilst simultaneously improving business delivery processes is not only critical to business survival but is a catalyst for generating growth. We assist our Clients in implementing change management and process improvement.

## DUE DILIGENCE

Due Diligence is an investigation or audit prior to an investment transaction which confirms that all material facts are correct. Our aim is to reduce the probability of unnecessary harm to either party or entity involved in the transaction in respect of technical or commercial matters.

## LIQUEFACTION STORAGE AND EXPORT TERMINALS

Country	Project	Project Status	DNV Services Provided
Abu Dhabi (UAE)	Adgas (Das Island)	Existing	SHE, ARM
Algeria	Skikda	Existing / Expansion	SHE, ARM, ERM, IC
Angola	Angola LNG	Planned / Proposed	ARM
Australia	Greater Gorgon Australia LNG	Planned / Proposed	ERM
Egypt	ELNG T3	Planned / Proposed	ARM
Indonesia	Train Satu	Planned / Proposed	SHE, ARM, ERM, IC
Malaysia	Offshore LNG FPSO	Planned / Proposed	SHE, AM, ERM, IC
Nigeria	Brass LNG	Planned / Proposed	ARM
Nigeria	Offshore LNG FPSO	Planned / Proposed	SHE
Norway	Snøhvit LNG	Under Construction	SHE, RBV, ARM, ERM
Oman	OLNG	Under Construction	ARM
Qatar	RasGas 2	Under Construction	ARM
Russia	Sakhalin II	Under Construction	SHE, ARM, ERM, IC
Russia	Shtokman	Planned / Proposed	SHE, ARM, ERM, IC

## LNG REFERENCE LIST

Selected Recent LNG Terminal Project References Due to the strict confidentiality clauses imposed upon DNV by our Clients we have chosen not to reveal the name of our Clients or the precise role of our involvement. However a selection of the LNG terminal projects that we have provided services on during the last two years are listed below sorted by export and import terminals and alphabetically by country. The abbreviations used for the services provided are:

- *SHE* Safety, Health and Environment Risk Management
- *TQ* Technology Qualification
- *OCS* Offshore Classification Services
- *RBV* Risk Based Verification
- *ARM* Asset Risk Management
- *ERM* Enterprise Risk Management
- *IC* Independent Advisor, Independent Engineer or Independent Technical Consultant



## OTHER REFERENCES

Country	Project	Project Status	DNV Services Provided
France	Technology qualification of cargo transfer systems	Planned	TQ
Germany	Technology qualification of cargo transfer systems	Planned	TQ
Norway	Supplier of vapouriser	Planned	TQ

## REGASIFICATION, STORAGE AND IMPORT TERMINALS

Country	Project	Project Status	DNV Services Provided
Albania	TAP LNG	Planned / Proposed	IC
Belgium	Zeebrugge	Existing / Expansion	SHE
Canada	Canaport	Planned / Proposed	SHE, IC
Canada	Cacouna Energy LNG	Planned / Proposed	SHE, IC
Canada	Kitimat	Planned / Proposed	SHE, IC
Canada	Rabaska	Planned / Proposed	SHE, IC
China	Zhejiang LNG	Planned / Proposed	SHE, ARM, ERM, IC
China	Rudong	Planned / Proposed	SHE, ERM, IC
Croatia	Adria LNG	Planned / Proposed	SHE
Denmark	Stignsnes LNG	Planned / Proposed	IC
Greece	Revythoussa	Existing / Expansion	ERM, IC
India	Dahej	Existing / Expansion	SHE
Italy	OLT Livorno (FSRU)	Sanctioned	SHE, ARM, ERM, IC
Italy	Isola di Porto Levante (offshore LNG terminal)	Under Construction	SHE
Italy	Alpi Adriatico (GBS)	Planned / Proposed	SHE, IC
Nederland	Rotterdam LNG Terminal	Planned / Proposed	SHE, IC
Spain	Canary Island	Planned / Proposed	IC
Spain	Tenerife	Planned / Proposed	IC
South Africa	Coega Integrated LNG	Planned / Proposed	SHE
Taiwan	Taochiung	Planned	RBV
UK	Dragon LNG	Planned / Proposed	SHE
UK	South Hook LNG	Planned / Proposed	SHE
Unknown Final Destination (Speculatively Built)	Floating Storage and Regasification Unit (FSRU)	Under Construction	SHE, TQ
USA	Bay Crossing LNG	Planned / Proposed	SHE, IC
USA	Beacon Port (GBS)	Planned / Proposed	SHE
USA	Broadwater Energy, New York	Planned / Proposed	SHE
USA	Cove Point	Existing / Expansion	SHE, IC
USA	Cameron LNG	Planned / Proposed	SHE
USA	Compass Port	Planned / Proposed	SHE, IC
USA	Crown Landing	Planned / Proposed	SHE, IC
USA	Keyspan LNG	Planned / Proposed	SHE

Det Norske Veritas AS  
NO-1322 Høvik, Norway  
Tel: +47 67 57 99 00

[www.dnv.com](http://www.dnv.com)