

OFFSHORE LNG TERMINALS

“We bring gas to shore”

Who we are: 

Geocean is an EPCI contractor specialized in Marine & Offshore works. We develop turnkey projects worldwide under all types of environmental and site conditions, for a large range of domains and clients:

- Pipeline & offshore oil terminals (SPM / CBM)
- LNG offshore terminals (FSRU)
- Marine intake & outfall systems (Power, Desalinization and Water treatment)
- SWAC (Sea Water Conditioning)
- OFW (Offshore Floating Wind)

Safety First 

GEOCEAN complies with the highest standard of Health, Safety, Quality and Environment performance for all its projects. All means are put forward to protect the health and safety of all stakeholders.

Sustainability 

We strive to contribute to the socio-economic development of the territories and countries where we operate. This could take the form of local job creation, procurement or community investment. We are deeply committed to enhance the positive impact of our projects and preserve the environment.



THE INFRASTRUCTURES WE DELIVER

Spread Mooring Terminals

Subsea Mooring System adapted to environmental conditions

- Disconnectable Turret Mooring (DTM)
- Submerged Turret Loading (STL)
- Restricted Catenary Mooring
- Anchors (Drag anchors / Driven or suction piles)
- Tower Yoke Mooring
- Submerged Swivel Yoke mooring

Pipeline system comprising

- Flexible Risers
- Umbilical and Fiber optic cables
- Subsea Pipeline
- Subsea Structures (PLEM / PLET / FLET)
- ORF (Onshore Receiving Facility & Valve Station)

Offshore Jetty Terminals

All type of Offshore Mooring Jetties

- Jacket type Jetty
- Concrete Jetty
- Drilled or hammered piles
- Mooring & Breasting Dolphins
- Process Platform
- Loading Arms

Pipeline system comprising

- Rigid Riser
- Subsea Spool
- Subsea Pipeline
- Fiber Optic Cable
- ORF (Onshore Receiving Facility & Valve Station)

WHY CHOOSING US ?

Feasibility study

ENGAGING EARLY TO DELIVER HIGHER VALUE

We create value for our clients in the earliest stages of project development, lowering costs and streamlining schedules.

Earlier engagement at the beginning of the development lifecycle allows us to support our clients to overcome technical and economic challenges. We cover every stage of a project's development:

- Concept selection
- Basic design & Pre-feed
- Management of soil investigation (Geotechnical and Geophysical survey)
- Route definition
- Economical studies

Operation

PROVIDING CONTINUED SUPPORT

Maintain & operate

We assist our clients in the set up of their terminal maintenance plan. We have learned to manage complexity, mitigate risks and simplify execution to achieve optimal and reliable solutions.

Special interventions

We keep dedicated and highly trained professionals in a state of round-the-clock readiness to respond instantly to terminal incidents anywhere in the world. You can trust on the commitment of a wide range of specialists available globally.

EPCI execution

OFFERING FULL TURNKEY PACKAGE

Detailed engineering

Simply put, we tackle the challenges of our clients. We design tailor made offshore terminal solutions. Throughout the design process, we analyze each decision and its impact on every aspect of the project. We bring solutions that lower the project risks and costs, reduce the number of interfaces and optimise schedules.

Procure and Fabricate

We provide efficient procurement and high-quality fabrication which we deliver on time. We only select recognised vendors with proven track records. We proactively manage supply chain as a key factor to meet the project's schedule with a focus on a very high Quality Control standard.

Installation

We always perform safe, on-schedule and cost-efficient installations. We are able to deploy everywhere world class teams and vessels. We select installation means and methods perfectly suited to the project's specificities and to its environment. We have made difficult shore approach one of our specialities mastering a wide range of techniques.

TRACK RECORDS



Moheshkhali LNG Terminal



Summit FSRU Terminal



Aquarius Terminal

CLIENT

Excelerate energy

Summit

BP

SITE

Moheshkhali / Bangladesh

Moheshkhali / Bangladesh

Harbor of Sète, France

PROJECT DESCRIPTION

FSRU Spread mooring Terminal

FSRU Spread mooring Terminal

Offshore jetty Terminal

YEAR

2018

2019

2019

CONTRACT TYPE

EPCI

EPCI

EPCI

SCOPE

24" Import Gas Line: 7,500m, buried,
14" flexible riser - piggy back Umbilical
Water Depth : Shore to -40m
Submerged turret loading Mooring System
8 Suction Piles
3 Holdback Drag Anchors

24" Import Gas Line: 5,500m, buried
14" flexible riser - piggy back Umbilical
Water Depth : Shore to -40m
Plug Mooring System
8 Suction Piles
3 Holdback Drag Anchors

24" White Product Pipeline
Fiber Optic Cable (Ø30 mm)
HV Cable (Ø80 mm)
Water Depth : Shore to -17,5m
Steel structure & concrete slab platform, topsides

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