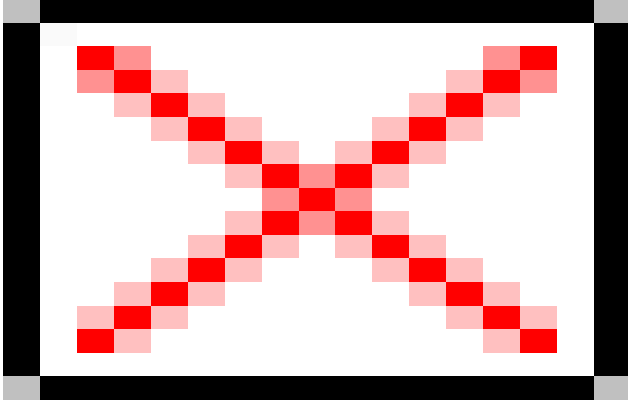


IMDC
Intakes, outfalls and land-falls
Pipelines and offshore cables
Dredging projects
Location:
Havre-Antifer, France
Client:
Gaz de Normandie



Project Contact Information

For more information about this project, contact:

ports@imdc.be

ANTIFER LNG Terminal

Within the new LNG terminal project at Antifer, IMDC was engaged through Tractebel to participate in several domains as dredging, wave and current analysis, cooling water intake and outfall design.

The new LNG terminal will be built by GdN (Gaz de Normandie) and is located in the petroleum port of Antifer.

As a result of the geotechnical analysis the different dredging zones for mooring, platform and intake and outfall trenches can be defined.

The **dredging** study comprises:

- soft soil removal;
- determination of the different dredging levels;
- soil improvement for the future retaining structures;
- landfill;

Wave and current analysis reports as well as tidal information are being revised.

Construction of a retainment dike as a stack of gravel bunds is considered to be the most feasible option.

Borrow and disposal areas for sand and gravel are determined.

Design of the **drainage and sewage system** on the platform is taken care of, including rainwater collection and buffering, wave overtopping, waste water disposal, etc.

Seawater intake design:

- location, positioning;
- submerged off-shore vs. open channel;
- pumping station;

- trash racks, band screens;
- piping, material, dimensioning;
- fouling, chlorination, maintenance;
- scheduling;

Seawater outfall design for the vaporizers :

- location, positioning;
- dimensioning (transient analysis for outfall stop and extreme wave impact);
- redundancy;
- piping, material;
- scheduling;

footer