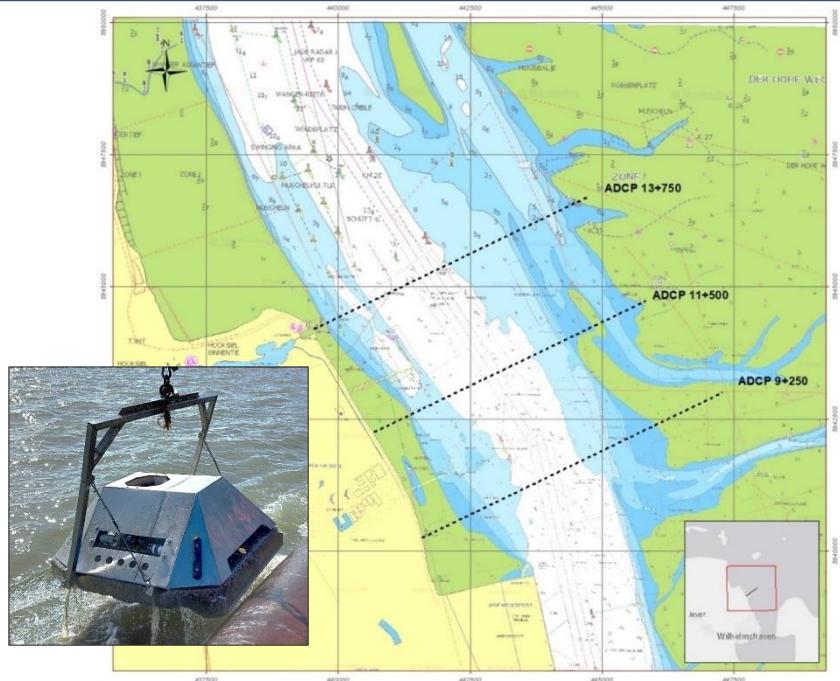


Engineering support for FSRU Wilhelmshaven development – Metocean Campaign



Country: Germany

Year: 2023 - 2025

End client: ENGIE

Context

FSRU GmbH, a joint venture between ENGIE and TES-H2, commissioned the construction of an LNG terminal in Wilhelmshaven, Germany. IMDC, acting as Owner's Engineer, played a critical role throughout all stages of the project, from design and procurement to construction and follow-up.

Description of the project

Within this role IMDC performed a metocean campaign. The objective of the marine monitoring was to assess the site conditions and suspended sediment concentrations in the LNG terminal construction area, and provide the necessary datasets for validation of the project's numerical modelling and detailed design. To this extend the measurements needed to capture the flow field at the planned FSRU-location.

Supplied services

Following monitoring services were provided by IMDC:

- Stationary bottomframe measurements, including:
 - Current profile (ADCP)
 - Bed currents (Aquadopp)
 - Turbidity (LISST-AOBS)
 - CTD
- Mobile through tide measurements in varying tidal conditions, including:
 - Current profile (ADCP)
 - Turbidity profile (SiltProfiler)
 - Watersampling
- Processing, Reporting and Interpretation

