

Marine



GGP Consult have an international offshore marine project portfolio. The in-house marine structures group supports the Oil & Gas group with offshore projects, addressing the increased demand for liquefied natural gas (LNG) and gas-to-liquids (GTL) offshore project services.

Having experience with multiple international Gasport projects, our marine engineering professionals are well equipped to provide bespoke engineering solutions tailored to suit your project schedule and environment.

GGP Consult's seismic and geotechnical professionals work with the marine group to provide a complete project feasibility project package for complex upstream Oil & Gas projects.

Utilising Dynamic vessel mooring analysis GGP ensures optimal general arrangement configuration to increase operational availability. The team incorporates marine forces with seismic, inplace and fatigue analysis to design code compliant mooring structures.

GGP's experience with efficient offshore foundation design solutions, is fully inclusive of complex seismic geotechnical parameters. Project management, survey, design, installation, budgeting and decommissioning services can be provided within our scope of works.

Engineering Services

Marine

- Inspection / Survey
- Metocean Study
- Offshore Geotechnical Survey
- Vessel Mooring Analysis
- Seismic Assessment
- Environmental Impact Assessment
- Feasibility Study
- Transportation Study
- Dredging
- Project Management
- Budget/Schedule
- Pre-FEED
- FEED
- Detailed Design
- Fabrication Drawings
- Decommissioning/Retrofit

Civil Engineering

- All Civil Design
- Flood Risk Assessments
- Site Investigations
- Drainage
- Highway Design

Structural Engineering

- All Structural Design
- Structural Assessments
- Seismic Design
- Fabrication Detailing – Tekla

Rail Engineering

- 3D Laser Scanning Surveys
- Topographical Surveys
- CDM Co-ordination
- Expert Witness
- Reverse Engineering