

PREVIOUS PROJECTS

Site Evaluation (Desk Studies / FEED Studies / Site Surveys)

- **Kashagan Field (Kazakhstan)**
Interpretation of survey data and provision of geotechnical parameters for use in FEED for proposed gas pipeline.
- **Dolphin Deep Field (Trinidad)**
Review of survey data and provision of geotechnical parameters for use in preliminary foundation design and pipeline engineering.
- **Greater Plutonio (Angola)**
Production of geotechnical risk register as part of FEED for proposed field development.

Foundation Design

- **Perth Field (UK Sector of North Sea)**
Geotechnical and structural design of suction anchor required for the pull in of a static seabed umbilical and dynamic riser umbilical.
- **Sycamore Field (UK Sector of North Sea)**
Detailed design of mudmats for installation load cases and pile design for working load cases for proposed tow head structures. Pile driveability analysis.
- **Erha Field Development (off Nigeria, West Africa)**
Design of suction anchors including limit equilibrium analysis, creep, set up and cyclic load considerations.



PREVIOUS PROJECTS

Pipelines and Umbilicals

- Clair Field (West of Shetland)
Review of options for trenching of pipeline, performance assessment to quantify where trenching is possible, soil parameters for assessment of upheaval buckling.
- Fram Vest Field (Norwegian Sector of North Sea)
Review of soil conditions and recommendations for trenching of pipeline by jetting ROV. Several options and onerous jetting requirements.
- Gulf of Aqaba Pipeline Crossing (Jordan to Egypt)
Geotechnical assessment of pipeline route including a review of seismic hazard and slope stability. Selection of geotechnical parameters for pipeline engineering.
- Bonny Island (Nigeria)
Feasibility study for proposed trenching of pipeline landfall including the review of trenching equipment and recommendations for installation and construction.
- Corrib Field (West of Ireland)
Quantitative risk assessment for the burial and protection of proposed control umbilical.
- Long Island Sound (USA)
Geotechnical appraisal of trenching conditions for proposed pipeline crossing including plough performance, backfilling and floatation potential.
- Alvheim Field (Norwegian Sector of North Sea)
Integration of geophysical and geotechnical surveys and selection of geotechnical parameters for pipeline engineering. Review of trenching operations and recommendations for pipeline installation and backfilling.
- Glider, Gulf of Mexico (USA)
Geotechnical assessment of pipeline route and optimisation of trencher set up for pipeline trenching including trench stability and backfilling operations.

