Industry Activities

BGS has a long history of working with industry (e.g. DONG Energy, Statoil, Statkraft, RWE, SSE and Vattenfall) in the offshore renewables sector. Activities include:

- Input for foundation design
- Interpretation of site survey data
- Preparation of Environmental Impact Assessments (EIAs)
- Analysis of buried landscapes within foundation depths
- Integration of geological, geophysical and geotechnical data into predictive models
- Analysis of geohazards with regards to jack-up siting, foundation installation and cable laying
- Explaining anomalous geotechnical results through analysis of geological processes

Current Research Themes

Research into aspects impacting on foundation design and installation is ongoing, with 7 industry supported Ph.D studentships encompassing:

- Shoreline response to changing sea level
- Glacitectonic deformation
- Relationship between seismo-stratigraphy, tectono-stratigraphy and geotechnical responses
- 3D predictive modelling