

**Business area:** Resources – Oil and Gas, Offshore Wind and Decarbonisation

**Requirements:** On track to achieve a minimum of a 2.2 Master's or MEng Degree in a relevant subject

**Our teams and what they do:**

**Mechanical - Offshore Structures**

Our Offshore Structures teams across the UK operate globally in both the Oil & Gas and Offshore Wind markets. As a placement student, you'll be involved in a variety of technically challenging and exciting projects, from designing new offshore wind farms, to helping clients improve their operational efficiency as part of the asset integrity management offerings, and developing carbon capture and storage solutions.

You'll be joining a team that actively encourages and fosters innovative solutions and new approaches to our client's problems. Your work could involve the following:

- designing large scale multi-disciplinary greenfield and brownfield oil & gas projects
- designing the next phase of the world's offshore wind farms
- creating safety critical finite element models in our advanced structural analysis teams using a variety of software's and programming languages
- developing life extension plans for ageing structures
- determining the fatigue and fracture reliability of structures with our highly specialised experts

**Subsea**

Our highly experienced Subsea team operates on some of the most challenging and exciting projects in the Oil and Gas sector, in the North Sea and across the globe. As a mechanical engineering placement student, you'll be involved with engineering assessments for a wide variety of conceptual designs and consultancy studies. Your work could involve the following:

- Contributing to conceptual studies for challenging marginal, HPHT or deepwater subsea developments
- Using analytical or non-linear FE methods to help solve diverse and complex pipeline problems during design and operation
- Developing life extension plans for ageing pipelines
- Helping clients determine their decommissioning strategies
- Interfacing directly with clients, representing our teams to discuss engineering solutions to complex problems
- Supporting winning new work by providing technical and pragmatic input to support bidding activity

Within all of our teams we recognise the importance of creating an inclusive working and social environment. We hold quarterly socials, regular inter-office sports matches, and have built an office culture focused on maintaining an enjoyable, flexible and healthy environment to work in.

**To apply, please return to the main job specification**