

In the company of... SOLVERS



Business area: Infrastructure

Requirements: On track to achieve a minimum of a 2.2 Bachelor's or BEng Master's/ MEng Degree in a Mechanical Engineering discipline

Our teams and what they do

Design and Advanced Technology - Water

Industrial year placement locations: Manchester

Summer placement locations: Belfast and Epsom

As a Mechanical Engineering Placement Student within our Design and Advanced Technology Water team you could be helping to support our clients across the Water sector in the UK and internationally. Our team provides Civil, Mechanical, Electrical, ICA (Instrumentation, Control and Automation) and Process engineering skills and expertise to water companies, supporting their capital (both new build and refurbishment) and operational (problem solving on existing sites) projects and programmes.

You could get the opportunity to develop your capability in a wide range of exciting projects, with a focus on water and wastewater treatment, sludge treatment, and bioresource recovery from Anaerobic Digestion (AD). Water, both clean and dirty, is a critical asset needing careful management and you could play a key part in this!

Key activities include:

- Working within multidisciplinary teams to help produce feasibility studies and outline designs through to detailed design work for water industry projects
- Working with and assisting with the development of process tools such as mass balances and process flow diagrams
- Supporting with the development of design solutions for clean and wastewater applications, as well as reviewing the performance of existing processes at treatment sites
- Collaborating with clients to understand and help them achieve their carbon and net zero ambitions
- Assisting with technical report writing
- Contributing to strategic planning to provide long-term innovative solutions for clients

Net Zero Energy

Industrial year placement locations: Glasgow

As a Mechanical Engineering Placement Student with our Net Zero Energy team, you'll be contributing to projects that help shape a cleaner, more resilient energy sector. You'll be supporting primarily on projects in our power and energy storage markets, supporting a varied portfolio of projects including asset integrity, design, and assurance for a variety of clients across a broad spectrum of facilities ranging from large scale biomass and gas generating plant, to gas and oil storage, hydrogen production and storage, and decentralised energy assets. The variety of our work means you'll have the opportunity to contribute to large interdisciplinary design and construction projects and also support clients with discipline specific technical advice. The teams and projects you'll be working with are at the heart of our commitment to diverse, clean power generation and have an emphasis on achieving net zero. Join us and your contributions will help drive meaningful change.

As a Mechanical Engineering Placement Student with Net Zero Energy, your key activities may include:

- Performing engineering calculations to support design and assess systems

- Performing stress analysis of plant equipment
- Carrying out site surveys
- Helping produce technical reports
- Spending time on-site engaging with clients, inspecting plant, and deploying a range of cutting-edge digital tools to capture site information

To apply, please return to the main job specification