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SOLVERS

Business area: Nuclear

Requirements: On track to achieve a minimum of a 2.2 Bachelor's/BEng degree in Systems Engineering, Mechanical Engineering, Process Engineering, Electrical/Electronic Engineering, Aeronautical Engineering, Software Engineering, Civil Engineering or other relevant Engineering or STEM discipline.

Our teams and what they do

Summer placement location: Sheffield

Our Nuclear business works collaboratively across the industry, building trust and delivering exceptional engineering solutions to our key clients. It's a really exciting time to be a part of our team, with decades of nationally and internationally critical projects in the pipeline. For you, this means unrivalled opportunities to develop your career by joining a growing team operating in a fast-paced environment and delivering solutions to our clients' most challenging engineering requirements.

Systems Engineering seeks to better manage and control the increasing complexity within the large-scale projects of today through the application of Systems Thinking, Requirements and Interface Management and Configuration Control among others. It is a growing discipline within the Nuclear industry with more and more organisations turning to it as a tool to help better deliver their projects on time and on budget.

In joining our Nuclear business, you'll be part of our Decommissioning Team.

Team Details

Decommissioning

Our market focuses on supporting the delivery of engineering design for enrichment and fuel manufacture, plant life extension, decommissioning and waste handling projects across their full life cycle including commissioning and operation.

By joining us as a Systems Engineering Industrial Placement student, you will benefit from:

- Working with passionate and diverse minded people in multi-disciplinary teams to understand problems and develop solutions;
- Using strategic thinking to identify interactions between people, processes, technology and the world;
- Finding innovative ways to understand and communicate complex ideas;
- A thriving Early Careers community, with focused mentoring and support on the beginning of your journey towards professional registration.

The role will see you learn and use techniques such as:

- Requirements & Acceptance: Capturing needs as robust requirements and developing ways in which they can be successfully tested;
- Integration: Understanding the interactions between systems and how they behave as a whole;
- Systems Thinking: Understanding the purpose and context of a system, how they behave and how they manage themselves;
- Model Based Systems Engineering (MBSE): Developing system architectures, models and simulations to support system requirements, design, analysis and test activities;

- Communication: Explaining complex concepts to stakeholders and non-technical team members and acting as a ‘bridge’ between technical teams to help them better understand their interdependencies with one another.

To apply, please return to the main job specification