

In the company of **SOLVERS**



Business area: Nuclear & Power

Requirements: On track to achieve a minimum of a 2.2 Bachelor's/BEng degree in Electrical and/or Electronic Engineering or in a relevant subject

Our teams and what they do

Our Nuclear & Power team 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.

In joining our Nuclear & Power business, you'll be part of one of four key teams in the UK:

- Net Zero Energy – Power Grids
- Reactor Operations & Decommissioning
- Power New Build
- Decommissioning & Waste Services.

Team Details

Net Zero Energy – Power Grids

Locations within this team: Glasgow, Birmingham, Epsom.

Our team is looking for placement candidates with an understanding of electrical engineering, power systems, and energy markets. You should be keen on developing your knowledge in the field and have an interest in the energy sector, with particular focus on the route to Net Zero.

In this role, you will find yourself working on projects in the power sector, across two key areas: Regulatory & Advisory, and Transmission & Distribution. There are also opportunities to support projects across the wider Net Zero and AtkinsRéalis businesses.

Some of our clients are National Grid and Ofgem, and we also work with a variety of organisations both in the UK and internationally. You will gain experience delivering multi-disciplinary projects related to research and analysis (such as feasibility studies) and technical and modelling (such as Front-End Engineering Design). In addition, there is plenty of opportunities to get involved in project management and bidding. Secondment opportunities are available, offering varied experience both internally and for clients.

Our placement scheme is centered around an 'every opportunity is your opportunity' basis, where work is allocated on your interests and availability. We encourage you to deliver work in innovative ways and utilise our implementation of digital technologies. There are also opportunities to get involved in business development activities, such as the [Net Zero Superheroes](#) schools competition, or [Engineering Net Zero](#) thought-leadership.

This role offers personal development, training and plenty of opportunity to get involved in a wide range of exciting projects. We're looking for enthusiastic and diligent candidates to support the transition to Net Zero.

Reactor Operations and Decommissioning

Locations within this team: Bristol, Derby (Industrial placement only), Glasgow, Sheffield.

In RO&D, we utilise collaborative working between our offices, and clients can engage with our engineers around the country. EC&I students are encouraged to apply for a location of their preference but are advised that project work in Bristol typically has a C&I Engineering bias, whereas project work in Glasgow typically has an Electrical Engineering bias.

Our mission is to solve complex nuclear engineering problems to keep the lights on, keep everyone safe and ensure the clean evolution of the UK nuclear estate. Our purpose is to build lasting relationships where we are valued and can develop our people across the widest variety of challenges. Our vision is to be the 'go to' community for creative solutions, known for empowering and trusting our people, and where our nuclear expertise is sought after to secure the future.

As an Electrical, Control & Instrumentation (EC&I) Engineering placement student within Reactor Operations and Decommissioning, you will join a growing and vibrant team and find yourself immersed in a diverse portfolio of work covering the entire nuclear lifecycle in both the civil nuclear sector and UK defence industry. With the knowledge and skills that you've gained throughout your studies, you'll be ready to start this exciting next chapter within a diverse team of highly skilled engineers. As part of our team, you will be empowered to gain broad experience across our portfolio of work with key clients such as EDF, Nuclear Restoration Services, and Rolls-Royce.

You can expect to gain experience in a variety of working environments, including being based in our AtkinsRéalis offices around the UK, as well as gaining valuable site-based experience supporting our clients on their operating sites at the forefront of carbon neutral electricity generation. Day-to-day, you should expect to work on the specification, design, development, and implementation of EC&I systems. This could include electrical and control panels, electrical layout, cabling routing, and substantiation of critical safety-related systems. You'll also identify customer requirements, produce specifications, hazard assessment, support project management activities, and collaborate with clients as well as your AtkinsRéalis colleagues and our supply chain partners. All of this adds up to an outstanding environment to gain varied experience that will aid you with your professional development and progress towards professional registration.

We're looking for placement candidates with a good understanding of electrical engineering, electronics, instrumentation, and control systems, who love the idea of applying their engineering skills to help keep the lights on, keep everyone safe, and ensure the clean evolution of the UK nuclear estate. You should also be keen to develop your knowledge, skills and understanding of the field and have an interest in the nuclear energy sector.

Power New Build

Locations within this team: Bristol.

You will join a growing and vibrant Electrical, Control and Instrumentation (EC&I) team, taking on the role of consultant to key nuclear clients through design, build and operation of the next generation of nuclear reactors. Joining our team, you will have the opportunity to work on numerous exciting projects, including helping us design the first nuclear power stations to be built in the UK for 25 years, helping the UK achieve its greenhouse emissions Net Zero target. We support our clients remotely, and many opportunities are available to deliver work from their offices and, potentially, power stations.

The team is looking for placement candidates with a good understanding of the broad base of electrical engineering, electronics, instrumentation, and control systems. You should be keen on developing your knowledge in the field and have an interest in the nuclear energy sector.

Under the careful guidance of our experienced engineers, you will work on the specification, design, development, and implementation of EC&I systems (including electrical and control panels, electrical layout, cabling routing, etc.), and substantiation of critical safety-related systems. You can also expect to work on large, complex projects as part of multi-disciplinary teams alongside civil, mechanical and process engineers, and deliver your work in innovative ways with a focus on digital technologies.

Decommissioning and Waste Services

Locations within this team: Whitehaven (West Cumbria), Manchester.

Based in our Westlakes office on the edge of the stunning Lake District, our team supports clients within the Nuclear industry to deliver innovative solutions in a challenging environment. You will be part of our fast-evolving EC&I team who strive towards using cutting edge technology in a diverse range of projects. Recent projects have incorporated the

design, specification, integration and substantiation of all three aspects of EC&I engineering.

As an Electrical, Control & Instrumentation (EC&I) Engineering placement student within the team, you'll have the chance to get involved with activities including (but not limited to):

- Helping provide solutions to a range of technical issues relating to waste management including developing technical solutions to waste engineering problems.
- Supporting clients within their sites and offices – this may require travel to different sites away from your local office.
- Supporting onsite decommissioning activities including AtkinsRéalis and client led projects.

The ideal candidate will have a keen interest in the nuclear sector and is passionate about incorporating digital design into their work.

Locations for this business will include:

Industrial placement locations: Bristol, Glasgow, Birmingham, Epsom, Derby, Sheffield, Whitehaven (*West Cumbria*), Manchester

Summer placement locations: Bristol, Glasgow, Sheffield, Whitehaven (*West Cumbria*), Manchester

To apply, please return to the main job specification