ATKINS
Member of the SNC-Lavalin Group

In the company of
CREATORS

Business area: Infrastructure

Requirements: Minimum 2.2 Master's or MEng Degree in a relevant subject

Our teams and what they do

Building Services

A building at its simplest consists of the structure and architecture that results in a shell waiting to be occupied. Our Building Services team come together to make buildings functional, comfortable and safe to occupy through sustainable engineering solutions. We work closely with our clients, to understand how we can work support them in achieving their Net Zero Carbon aspirations, whether that is providing comfort in the form of heating, ventilation and air conditioning (HVAC) systems, power and lighting, or ensuring it is safe to occupy through fire safety and security design. Our capabilities include Electrical and Mechanical Engineering, Public Health, Sustainability, Building Physics, Fire, Security and ICT, Building Energy Management Systems, Lighting and Vertical Transportation.

With a Master's degree in mechanical engineering, building services engineering or architectural engineering, you'll develop your skills working on a range of unique projects. Collaborating with inter-disciplinary teams to deliver world-class projects for our clients, you'll carry out building services system design from concept design through to construction. You'll be working using cutting edge digitally enabled design processes to produce holistic yet practical solutions. There will also be the opportunity to get involved with applied research and digital development to help create user-centric buildings and places. You'll have the opportunity to develop the broad range of skills set out by the Engineering Council, working towards the competencies required for Chartership with a professional body alongside one of our experienced engineers who will serve as your chartership mentor. This will include innovative engineering solutions, technical analysis, preparing reports and contract documents, technical and commercial leadership whilst engaging with clients and project management.

Locations

- Birmingham
- Bristol
- Epsom
- Glasgow
- Leeds
- London
- Warrington

Design and Advanced Technology - Water

As a Graduate Mechanical Engineer within our Design and Advanced Technology Water team you'll help 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'll 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 produce feasibility studies and outline designs through to detailed design work for water industry projects
- Working with and developing process tools such as mass balances and process flow diagrams
- 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
- Technical report writing
- Strategic planning to provide long-term innovative solutions for clients

Locations

- Belfast
- Bristol
- Derby
- Epsom
- Glasgow
- Peterborough
- Warrington

Advanced Technology – Computational Analysis, Structural Dynamics and Stress Analysis

We're looking for graduate mechanical engineers with enquiring minds to join our team in Epsom. Our team work on a variety of projects from those of strategic national importance such as Hinkley Point C, HS2 and multiple defence projects to development projects to include South Teesworks Master-planning and Queen Elizabeth Olympic Park and renewables projects. Whilst you'll be based from either our Epsom or London office, you'll have opportunities to work at client locations both in the UK and overseas.

Specialising in computational analysis, structural dynamics and stress analysis, our engineers use finite element analysis and other software to predict the behaviour of civil, structural and mechanical hardware. You'll collaborate across inter-disciplinary teams to find innovative solutions for our clients whilst developing expertise in the following areas: stress analysis, structural dynamics, fatigue and fracture analysis, thermal analysis, industrial vibration monitoring, wind monitoring, seismic engineering, blast and impact assessment, advanced materials, wind energy, wind loading effects, pedestrian and crowd loading and vehicle loading.

We're also developing our Computational Fluid Dynamics (CFD) capability (fluid mechanics and heat transfer) in response to the increasing need across our projects.

Join our team and you'll be supported to reach your potential. We're committed to providing an inclusive culture, based on trust and transparency, where you'll be encouraged to collaborate, share ideas and listen to different perspectives, ensuring our continued success.

Locations

- Epsom
- London

To apply, please return to the main job specification