



Business area: Infrastructure
Requirements: Minimum 2.2 Master's/MEng in Civil Engineering or relevant degree discipline
Our teams and what they do
<p>Asset Planning and Solutions (Water, Wastewater, and Surface Water Infrastructure)</p> <p>Our team is one of the largest in the UK providing Water and Wastewater Infrastructure services alongside Drainage and Surface Water Management design. We work across various markets including: Transportation (with a range of clients in the highways, rail, and aviation sectors), Water (we work with the majority of UK water companies), and Cities and Development (for private development such as new housing). We also have a strong presence in these same markets internationally.</p> <p>As one of Atkins Digital Practices you'll get to use industry standard software and our own digital tools combined with your core engineering knowledge to help our clients solve their problems. You'll work to analyse data and information to understand our clients needs and identify any related constraints, you will translate this understanding (often in a multi-disciplinary environment) into sustainable technical solutions to meet our client's requirements and those of external stakeholders and regulatory bodies.</p> <p>This role offers you an exciting opportunity to help improve the environment around us and find innovative solutions to maintain and enhance critical infrastructure, in the public and private sector the UK and around the world. We operate as a national practice with work shared across the country, however each of our regions also have their own specialism, examples of typical projects undertaken in our regions are:</p> <p><u>London and South East</u> SuDS design and surface water management for water companies and local authorities Water network asset health assessments Water, wastewater, and surface water hydraulic modelling and GIS studies NetCreate (our innovative digital tool to automatically create outline infrastructure designs) Modelling and advisory work with non-water company clients such as airports, ports, and local government</p> <p><u>Midlands, South West and Wales</u> Civils' drainage design covering conceptual, outline, and detailed design phases Surface water management Conceptual, outline, and detailed design for new or replacement water mains Water, wastewater, and surface water hydraulic modelling and GIS studies</p> <p><u>North</u> Optimisation of water and wastewater networks to improve their performance and efficiency Environmental projects such as SuDS for schools where we engage with local communities Drainage design for key transportation clients</p> <p><u>Scotland and Northern Ireland</u> Water, wastewater, and surface water hydraulic modelling and GIS including model verification and solution/options development Drainage design including SuDS for transportation infrastructure projects Design of flood alleviation and environmental improvement projects for wastewater networks Emerging Green Infrastructure and Surface water management projects</p> <p>Locations Belfast, Birmingham, Epsom, Peterborough</p>

Design and Advanced Technology*

Our civil engineering team creates all kinds of infrastructure, from power stations to pipelines, water treatment works to airports. Our people plan, design, and oversee construction on projects of sizes large and small, in the UK and internationally. We enjoy a variety of work with clients across sectors including energy, water, cities and development, aviation, and defence.

Joining our team, you might plan the complex construction for a nuclear power station or airport, help to tackle pollution with innovative wastewater treatment and sustainable drainage systems, design residential and commercial urban development schemes, or deliver essential drinking water systems to communities, making a positive impact to people's lives.

You'll be supported to develop general civil engineering skills in utilities, buildings and structures, enabling works and construction, giving you the flexibility to work across various industries in multidisciplinary project teams. Our team is represented in specialist areas too, including structural dynamics, seismic analysis, and blast and impact design, providing a depth of knowledge to learn from.

Locations

Belfast, Birmingham, Bristol, Derby, Epsom, Exeter, Glasgow, Leeds, Peterborough, Warrington

Airport Planning/Airfield Engineering (Epsom & London only)* – With a Master's in civil engineering or an airport planning related degree, you'll get involved in developing airport masterplans, undertaking airport planning studies and designs. The opportunity would suit a graduate with ambitions to work or extend experience in the aviation industry through working in a consultancy that delivers excellence within the global aviation sector. For more information please [click here](#)

*For the Design and Advanced Technology team please reference the specialist area (Buildings/Water/Structural Dynamics/Airport Planning/Rivers Dams and Maritime) that interests you in your application form.

Design and Advanced Technology - Rivers, Dams and Maritime*

Our team of civil engineers combines enthusiasm and passion with technical expertise to solve complex engineering challenges on a diverse range of rivers, dams and maritime projects. At the core of our work is the management of water, whether that be controlling its power, harnessing its energy or dynamically managing its flow and level. We achieve this through the design and monitoring of dam retaining structures, flood defences and hydraulic structures on rivers and exposed coastlines, infrastructure projects such as ports and offshore structures, and the provision of specialist technical support to multi-disciplined infrastructure projects.

You will work on a diverse range of projects that allow you to share and broaden your skills and knowledge within an agile environment whilst delivering projects that protect vulnerable people and communities. In delivering flood resilient infrastructure you will create exciting public spaces alongside seas, rivers and waterways which are sympathetic and sustainable to the natural environment. If these things matter to you, as they do to us, a career with Rivers, Dams and Maritime is the place where you can make a difference.

Locations

Bristol, Epsom, Glasgow, Peterborough, Warrington

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Ground Engineering, Tunnelling and Underground Space

Ground Engineering

Our team provides world class geotechnical and engineering geology services to infrastructure and global energy clients, focusing around the engineering behaviour of the ground for complex new build and asset life extension projects. You'll get involved in a broad range of activities including site investigation, 3D ground modelling, geohazard & terrain evaluation, earth structures, foundation design and ground improvement, in both the onshore and offshore environments.

Locations

Birmingham, Bristol, Croydon, Cardiff, Epsom, London, Glasgow, Leeds, Warrington

Tunnelling and Underground Space

Our team provides technically excellent engineering design of tunnelling, underground, and heavy infrastructure, particularly focused on mass transit, rail and major project programmes. Our team have expertise in assessment of ground movements, design of complex foundations and 'ground-contacting' structures, in addition to the assessment of ventilation and fire life safety aspects of utilising underground space. Here you'll get the opportunity to take on a wide range of interesting activities, including site work, design, asset impact assessments, life cycle/risk assessments and project management.

Locations

Epsom, London

To apply, please return to the main job specification