

In the company of...

SOLVERS



Requirements: Please see team profiles below

Our teams and what they do

Highways Technology

Requirements: A minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Electrical/Electronic Engineering; Software and Systems Engineering; Communications Systems Engineering; Mechanical Engineering, Physics, Mathematics and other STEM degrees also considered

Locations: Birmingham, Epsom, Manchester

Our Highways Technology team design and deliver technology infrastructure and systems to improve the safety and efficiency of the road and tunnels network. We use a range of technologies such as digital CCTV, radar, LED signs & signals, detection systems, tunnel safety systems and both fixed & wireless networks to monitor and manage traffic. We're involved in a range of projects from leading-edge initiatives on intelligent mobility to the practical aspects such as infrastructure design, equipment placement, cabling, and power designs.

Our expertise is applied during all stages of a project lifecycle from initial conception through design, construction, commissioning, and handover. We make extensive use of Building Information Modelling (BIM) which enables 3D models to be created by our engineering teams in coordination with other disciplines. We encourage innovation to ensure systems are designed, delivered, and commissioned to exacting client standards We also provide on-site expertise for construction and commissioning activities along with safety critical inspections.

As a Graduate Engineer you will have the opportunity to work within our design teams, producing designs, calculations, reports, specifications and documentation across a wide range of high-profile UK road and tunnels infrastructure projects

As part of our graduate scheme, you will be supported and mentored via our well-established graduate network throughout your professional registration.

Railway Signalling & Telecommunications Technology

Requirements: A minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Electrical/Electronic Engineering; Software and Systems Engineering; Communications Systems Engineering; Mechanical Engineering, Physics, Mathematics and other STEM degrees also considered

Locations: Birmingham, London, Glasgow, York

We are one of the UK's leading organisations delivering enhancements and renewals of the command and control systems that ensure the safe and efficient operation of the UK's railway infrastructure and passenger/freight services. This includes implementing changes to signalling systems made up of trackside electronic/electrical control equipment (e.g., signals, power supplies, track switch machines, [level crossings](#), telephones), modern electronic signal box control systems and the vital telecommunications networks connecting it all together.

We support industry clients such as Network Rail, Transport for London, Transport for Wales, Transport for Scotland, Translink, EDF, and High Speed 2 Ltd throughout the full lifecycle of project delivery from initial feasibility studies through to design, installation, testing and [commissioning of the signalling system](#). This includes project management and whole-life asset support services. Our work directly influences the lives of people across the UK and overseas by improving their passenger experience, making their journeys better and making our world a greener place to live.

As a Graduate Engineer you will develop through a fast-tracked scheme consisting of rotational placements around the business with opportunities available in both the UK and overseas. You will have the opportunity to work with our Design, Engineering Management, Project Management, Construction and Testing teams (just to name a few!) across a wide and diverse range of high-profile UK railway infrastructure projects. You will play a key role in pioneering innovative initiatives across the business including the development and application of digital technologies to our delivery processes and supporting the business to achieve its Net Zero Carbon targets.

By joining our graduate scheme you will become part of our community of Graduate Engineers at various stages of the three year development programme. Together you will complete training courses, meet-up for shared learning days and social events.

[Our graduate scheme is designed to place you in charge of your development](#). No two graduate experiences will be the same as we encourage you to seek out experiences and opportunities that align with your interests and professional development aspirations. You will be empowered at every step of your journey by a [well-established support network](#) to maximise your potential and become our future leaders and technical experts.

Airport Technology

Requirements: A minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Electrical/Electronic Engineering; Software and Systems Engineering; Communications Systems Engineering and other STEM degrees also considered

Locations: Epsom (+ Heathrow), London (+ Heathrow)

We are seeking Graduate Engineers to join our exciting team of Designers, Project Managers and Project Supports at Heathrow Airport. The Heathrow team is part of the Airports division, which sits under the wider Signalling and Communications Systems practice within Transportation.

With a core focus around client delivery, ranging from optioneering, design to full scale deployment, project management and asset management we specialise and lead in all aspects relating to IT design and implementation, typically in construction projects at Heathrow Airport.

Our design solutions have enabled the client to enhance passenger experience, whilst conforming to UK regulatory/standard requirements. For example, AtkinsRéalis developed solutions have transformed passenger experience by integrating identity security management into the border process.

[Security Automation Software \(snclavalin.com\)](#)

AtkinsRéalis has been involved in a number of large-scale IT capital projects, this ranges from Heathrow.

Terminal 2 'Queens Terminal', Terminal 3 Flight Connections Centre to Terminal 5 First Wing facility.

AtkinsRéalis has a large presence within the airport sector, and there are opportunities to gain experience and exposure to multiple portfolio streams including Cyber programme, Business Transformation and Project Business Management Office (PMO). As part of the graduate programme, we actively encourage to develop your skillset, supporting the journey along the way with professional mentoring.

To apply, please return to the main job specification.

