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Business area: Transportation
Requirements: Please see team profiles below
Our teams and what they do
Rail Systems Requirements: Achieved or on track to achieve a minimum 2.2 Bachelor's or Master's in Engineering Disciplines (Aerospace and Aeronautical, Automotive, Chemical, Electrical and Electronic, General, Mechanical, Software and Systems), Chemistry, Communications, Computer Science, Cyber, IT, Maths, Other, Physics, Project Management. Locations: London / Derby / Swindon / Glasgow / Birmingham / Manchester / York / Plymouth Our Rail Systems comprises five teams: Mainline Signalling, Mass Transit Signalling, Telecoms & Cyber, Control Systems Integration and Transport Systems Integration teams. Our teams are leading the way in new digital train control systems, telecoms, cyber security and the successful integration of railway systems. Exciting projects include HS2 and East Coast Digital Programme supporting the implementation of the European Train Control System (ETCS) and other projects that span the breadth of railway system technologies. As a graduate you will have opportunities to work on a variety of assignments, led by our technical and engineering experts. You will have opportunities to work with different teams to experience the diverse range of work delivered across the team. We will support you in the development of consultancy skills, technical knowledge of railway system technologies and their integration with the railway, which will enable you to start your professional journey towards Chartership. The assignments that you will be part of delivering to our clients will promote best practice and industry leading thought leadership that will support them in achieving their own corporate goals around Digital Information Management, Automation, Carbon Reduction and Net Zero.
Infrastructure Consulting Requirements: Achieved or on track to achieve a minimum 2.2 Bachelor's or master's in civil engineering Locations: London / Derby / Swindon / Birmingham / Bristol In our Infrastructure Consulting team, you'll work on complex station, depot and trackside civil engineering projects, ranging from the feasibility design stage through to detailed design and subsequent construction support. Our major projects include new stations for Wellington and Cullompton through our Wales & Western Framework with Network Rail, Hydrogen Test Track studies and the design of various platform extensions across the UK to accommodate new trains. You'll be welcomed into a team of exceptional civil and track design engineers who will support you to develop your engineering problem solving expertise, with a focus on sustainability and Net Zero. Day to day, you'll derive design solutions, produce drawings, run structural calculations, bid for new projects and work closely with our Project Managers to help with commercial management.

As part of the team, you will receive the support and resources you need to develop as a civil/structural engineer and gain exposure to a variety of work which will be invaluable for your prioritised professional development towards Chartership. This will include the opportunity to undertake a secondment on site with a Principal Contractor to understand how designs are constructed and brought to life.

Rail Operations, Assurance and Asset Management

Requirements: Achieved or on track to achieve a minimum 2.2 Bachelor's or Master's in Engineering Disciplines (Aerospace and Aeronautical, Automotive, Chemical, Electrical and Electronic, General, Mechanical, Software and Systems), Chemistry, Communications, Computer Science, Cyber, IT, Maths, Other, Physics, Project Management.

Locations: London / Derby / Swindon / Glasgow / Birmingham / Manchester / York / Plymouth

Rail Operations & Asset Management is a diverse, interconnected, and multidisciplinary team consisting of:

- Rail Operations
- Business Analysis & Asset Management
- Safety Engineering & Independent Verification
- Digital Services

We take a whole-systems approach, connecting our services and providing sustainable solutions to our clients. You will have the chance to get experience in different areas, developing your technical and consultancy skills and you will have the opportunity to pursue chartership.

In Rail Operations you will be guided by colleagues with vast operational experience covering areas such as operational readiness and design of new rail systems. Our Business Analysis & Asset Management team focuses on optimising asset performance and operational and asset management support. The Safety Engineering & Independent Verification team ensures that industry standards for safety are adhered to on the railways. Digital Services develops and delivers a broad suite of digital products and services.

Projects include:

- East Coast Digital Programme
- TriLink
- Performance Analysis for Eastern Region North London Line
- Rolling Stock and Engineering Vehicle commissions
- Safety Management System review for Tyne Metro
- Station Risk Assessments in Belfast
- Various Digital Applications

As part of the Rail Operations & Asset Management team, you will be joining a supportive team, working on a variety of projects where you can make a tangible impact and grow your industry knowledge across the railway network.

Rolling Stock

Requirements: Achieved or on track to achieve a minimum 2.2 Bachelor's in Engineering Disciplines (Aerospace and Aeronautical, Automotive, Electrical and Electronic, General, Mechanical and Systems)

Locations: London / Derby / Glasgow / Birmingham / Manchester

The Rolling Stock team offers a unique opportunity for passionate Graduate Engineers to make a significant impact in the rail industry. Our work is varied as we solve complex problems for our clients; you could find yourself carrying out feasibility studies for HS2, advising train operators on reducing carbon emissions, reverse engineering components for TfL or fitting modern signalling systems onto heritage steam trains.

Our diverse and supportive team is dedicated to nurturing the next generation of experts in trains, trams, locomotives, and vehicles, offering a wide range of opportunities for you to become an engineering consultant in a variety of disciplines including mechanical and electrical systems,

maintenance management, project management and project engineering, systems, and strategy, as well as engineering design and analysis.

We prioritise placing our people in the right roles that align with their interests and expertise and we are fostering a culture of continuous development towards Chartership and beyond. This means that whilst you are with us on the Graduate Development Programme you will have the opportunity to move between teams and experience different types of work to ensure you are doing work you both enjoy and that is developing you as an individual.

To apply, please return to the main job specification