Business area: Transportation

Degree Requirements: On track to achieve a bachelor's or master's degree (minimum 2.2).

We are keen to hear from people with a wide variety of academic backgrounds including but not limited to: All engineering and similar degrees, Analytics, Civil Engineering, Computer Science, Data Management, Data Science, Economics, Engineering, Environmental Science, Geography, Human Factors, Information & data, Mathematics, Operational Research, Physics, Science, Social Sciences, Statistics, Systems Engineering, Transport Economics, Transport Management, Transport Planning, Transport Studies

Industrial Placement locations: Birmingham

Our teams and what they do:

By combining traditional engineering and new innovative technologies, our teams make journeys easier, safer, and more reliable while supporting a greener and more productive society. Our work spans the full transport ecosystem across Bridges & Civils, Highways, Rail, Central Rail Systems Alliance, and local transport projects. You'll feel a sense of pride working with our clients, such as Highways England, Network Rail and Transport for London - to name a few.

The Transportation division in AtkinsRéalis brings together the capabilities of our Highways and Rail teams into a single business of 3,000 talented professionals. You will be working within the Intelligent Mobility and Smart Technology (IMST) consultancy practice alongside over 70 specialist professionals contributing to the development of future transport.

The IMST team assists public sector organisations in a wide number of activities, providing 'whole life' consultancy in the following areas:

• **Digital and Smart Roads** – consultancy advice on smart motorways, digital roads, traffic detection, stopped vehicle detection, enforcement, and management of severe weather.
• **Emerging Mobility** – taking an end-user and outcome-focused approach to connecting people, places and services using data, technology and innovative ideas, and applying these to develop Digital Demand Responsive Transport (DDRT), Mobility as a Service (MaaS), electric vehicle solutions and data strategies.
• **Intelligent Transport Operations** – advice on transport operations, including the intelligent management of traffic, road charging, enforcement of roads, bridges, tunnels, city cordons and HGV/Truck monitoring.
• **Transport Technology Advisory** – consultancy advice on traffic signals and control systems, transport data analytics, public transport technology and smart ticketing.

Your Role

Join us as a placement student in our Intelligent Mobility and Smart Technologies practice and be part of something big. We've a growing range of clients, and we need many different skills and capabilities to deliver projects for them. We believe that diversity is the key to success and makes us stand out from the crowd, and therefore are searching for students from a variety of degree types and backgrounds to join our team.

Key areas of responsibility may include:
• The delivery of high quality, innovative client solutions as part of a team
• Data processing, technical report writing, requirements gathering
• Project management support for small-to medium sized projects
• Assisting in the development of consultancy offerings, bids, and propositions
• Technical consultancy and assurance, and growing your area of technical expertise

We link ITS with future-focused technology opportunities, working across the transport sector to help our clients navigate a rapidly changing world. We have market-leading capability in motorway control systems, toll road systems, urban traffic control, traffic operations, traffic signalling and smart ticketing. We blend this with thinking and advice on emerging trends and growing areas such as digital highways, mobility as a service (MaaS), big data and data exploitation, electric vehicles (EVs), and connected and autonomous Vehicles (CAVs). We deliver projects that push the boundaries of transportation and consider road safety, human factors, and scientific behavioral research as complimentary disciplines to our established technical practice.

What you'll need?
- An understanding of the consultancy environment
- To embrace equality, diversity and inclusion in everything you do
- A desire to work collaboratively with a curious approach, challenging yourself to find new solutions
- Enthusiasm and drive to develop your skillset and seek out development opportunities within a supportive team
- Motivation to achieve professional accreditation (where applicable)
- To be comfortable embracing agile ways of working and learning new technologies