

In the company of...

# SOLVERS



<b>Business area:</b> Transportation
<b>Requirements:</b> On track to achieve a minimum of a 2.2 Bachelors/BEng in Systems Engineering, Mechanical Engineering, Communications, Software Engineering, Physics, Mathematics or Other related degrees
<b>Our teams and what they do</b>
<b>Railway Signalling &amp; Telecoms</b>
<b>Industrial placement locations:</b> Crewe
<b>About our team and projects:</b>
<p>AtkinsRéalis are one of the UK's leading organisations delivering enhancements and renewals of the Command &amp; 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 electrical &amp; electronic control equipment (e.g. signals, power supplies, track switch (points) machines, level crossings, etc.), modern electronic signal box control systems, and the vital telecommunications networks connecting it all together.</p> <p>We support high profile industry clients such as Network Rail, Transport for London, Transport for Wales, Transport for Scotland, TransLink (in Northern Ireland), 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 systems into operation. This includes project management and whole-life asset support services, such as technical investigation of safety-critical and reliability failures. 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.</p>
<b>Your role:</b>
<p>As an Industrial Placement Student at the AtkinsRéalis Technical Investigation Centre, you will gain first-hand experience of testing and investigating railway signalling &amp; telecommunications equipment failures under the guidance and supervision of a licenced technical investigation engineer. You will develop skills in electrical and mechanical testing techniques, as well as gain an understanding of the lifecycle of an investigation and the steps taken to preserve evidence. There will also be opportunities to visit various client and supplier sites to experience how equipment is manufactured and applied across the rail network. There will be time to study and learn the theory behind railway signalling principles and the scientific basis for how different items of equipment work and are designed to operate in a fail-safe manner.</p>
<p>By joining our team, you will become part of our Early Careers community. Together you will complete training courses, meet-up for shared learning days and exciting social events.</p>
<p>Our industrial placements are designed to place you in charge of your own development. No two placement experiences will be the same. We encourage you to seek out experiences and opportunities that align with your interests and professional development aspirations including chartership with an appropriate institution, such as the IET, IMechE or the IRSE. 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.</p>
<b>To apply, please return to the main job specification</b>