

UK Resident Principal / Senior Railway Traction Power Engineer

Are you keen to work with world-leading simulation software to tackle the challenges of powering complex rail networks?

Are you an accomplished Traction Power Engineer ready to take your contribution to the next level?

We have immediate and upcoming openings in our high-performing engineering and projects team, driven by a rapidly expanding workload and a robust sales pipeline.

As a Principal/Senior Railway Traction Power Engineer, you'll leverage your expertise to model and analyse AC and DC traction-power systems, deliver cutting-edge solutions, and lead critical engineering studies. You'll mentor emerging talent, master our world-leading software, and collaborate with multidisciplinary teams and key stakeholders to ensure successful project delivery.

At our Head Office in Sutton, Surrey, we value work-life balance and offer flexible and hybrid working arrangements to support our colleagues in doing their best work. Join us on a permanent or flexible basis and make your mark by helping to deliver innovation and excellence in traction power engineering.

Key Responsibilities

- Develop end-to-end traction-power system studies, modelling and analysis (AC and DC)
- Oversee and conduct critical engineering studies, ensuring technical excellence
- Mentor and guide junior engineers, building a high-performing team
- Collaborate cross-functionally with project stakeholders to achieve on-time, high-quality delivery

Why join us

- Contribute to major railway projects worldwide
- Shape the future of railway traction-power in a supportive environment
- Hone your skills, with our industry-leading power modelling and simulation software
- Work with globally-renowned experts in Europe's largest traction power team
- Competitive remuneration and benefits

Preferred Attributes

- Degree-qualified or equivalent demonstrable experience
- Professional registration (e.g. Chartered Engineer, PE licence) or actively working towards it
- Proficiency with electrical-system design software (ETAP, PSCAD, DigSILENT PowerFactory, OpenPowerNet, MATLAB/Simulink)
- Strong familiarity with relevant electrical, traction-power and rail-industry regulations and standards
- In-depth knowledge of traction-power supply systems and interfaces (infrastructure and rolling stock)
- Expertise in load-flow, short-circuit, transient-stability, protection-coordination and EMC studies

Apply now and help us meet the surging project needs brought on by our healthy sales pipeline—be part of a team that's redefining traction power solutions.

Interested candidates should submit their CV/résumé and a cover letter outlining relevant project experience, leadership contributions and career aspirations to