

# Signalling & Electrical Engineering

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| <b>Employer:</b>        | East West Railway Company   |
| <b>Location:</b>        | London initially, then based in the Oxford-Cambridge corridor   |
| <b>Basis:</b>           | Permanent   |
| <b>Role Summary:</b>    | Unique opportunity to support the development of a nationally significant infrastructure project currently in its initial stages through developing and managing the requirements management capabilities in this new organisation. |
| <b>Team dimensions:</b> | Reporting to the Head of Engineering (Signalling & Electrical)  |

Would you like to be at the forefront of the changing landscape of the rail industry?

## A little bit about us:

East West Rail is a proposed new rail link between Oxford, Milton Keynes, Bedford, Cambridge and potentially beyond. As part of the wider plans for this strategically important corridor, it is one of the most high profile infrastructure projects in the UK today. The new railway will improve local connectivity and serve as a catalyst for economic development and the creation of new housing, as well as significantly reducing existing journey times.

We offer a truly breath-taking opportunity to:

- Innovate, positively disrupt and make impactful decisions
- Openly share your ideas and knowledge
- Be part of a passionate, diverse and friendly team
- Learn, develop and build the career of your dreams
- Have the right work-life balance through flexible working arrangements
- Be rewarded and recognised for your input

## Key accountabilities:

As Signalling & Electrical Engineering Executive for the East West Rail scheme you will:

- Consider the signalling, telecoms and electrical elements of the railway including, but not limited to:
  - Signalling and control systems, operational and retail telecoms;
  - power supply and distribution equipment; and
  - associated system interfaces
- Assist with the maintenance of signalling, electrical and telecoms engineering policies and standards for the Central Section design, assessing and challenging derogations, as required.
- Assist with the review and assurance of the design, construction and commissioning of signalling, electrical and telecoms assets, ensuring compliance with technical standards and policies, safety and quality principles, and taking into account lifecycle costs and operational impacts
- Support the delivery of a safe Scheme design

### TEAM DIMENSIONS

- Part of the Engineering Directorate, reporting to the Head of Engineering (Signalling & Telecoms)
- No direct reports
- Given the early stage of the project, it is likely that the nature of the role may evolve as the project progresses. It is also possible that other ad-hoc activities and duties may be required.

## Day to day you'll:

- Assist and support the Head of Engineering (Signalling & Telecoms)
- Review and assure engineering designs
- Scrutinise cost estimates
- Assist in the production of project specifications
- Review and update engineering policies and standards
- Attend project review meetings with Network Rail and suppliers

## You should apply if you have:

As Signalling & Telecoms Engineering Executive for the East West Rail scheme, you will have at least 5 years' experience in a comparable position, in a safety critical environment, preferably in the rail industry. Preferably, you will also have some experience of holding roles in fast paced and complex environments during the setup of a new organisation.

Your skills and experience will include:

- Understanding and application of safety integrity, signalling principles and the varying types of signal control as applied to train control systems
- Understanding and experience of safety critical telecoms systems, ideally within the railway environment
- Understanding of and experience working with high and low voltage electrical systems and associated equipment
- Understanding and experience of telecoms technology as applied to the railway environment

#### **EDUCATION AND QUALIFICATIONS**

- Degree in a relevant Engineering subject or equivalent experience and training
- Chartered Engineer with IRSE membership

You will need to have the right to work in the UK.

## **Join the team!**

Please send your resume and a covering letter explaining why you are interested in the role and meet the above experience requirements to: **[recruitment@eastwestrail.co.uk](mailto:recruitment@eastwestrail.co.uk)**