

Programme Engineering Manager

Employer:	East West Railway Company
Location:	Milton Keynes
Basis:	Interim – 6 months Initially
Role Summary:	Accountable for leading the engineering activity for all assets and disciplines on a specified delivery Programme. Ensuring business requirements are successfully translated into engineering scopes and solutions that are delivered to time and cost, in accordance with EWR Technical Strategy and Standards.
Team dimensions:	Reporting directly to Programme Director

A little bit about us:

East West Rail is a new direct connection, linking communities between Oxford and Cambridge, including Bicester, Milton Keynes and Bedford by rail.

Oxford, Cambridge and the communities in between are renowned for their vibrant economy, educational excellence and scientific innovation. They deliver growth and prosperity both locally and for the whole country; connecting these two cities and the communities in between is crucial to the social and economic future of the region.

East West Railway Company was set up to accelerate the delivery of the East West Rail infrastructure and passenger services, bringing faster journey times and easing pressure on local roads.

We were set up by the Secretary of State for Transport in 2017 to do things differently. We aim to innovate, positively disrupt, and challenge the status-quo, leading to quicker and more cost-effective project delivery, and an improved experience for passengers and the communities we serve.

As we build our team, we're looking for people with the right skills and mindset so that we can innovate, positively disrupt and set new industry standards. Whether you've been working on some of the world's most exciting rail and infrastructure projects or can inspire us with your ideas and expertise from other sectors, we want to hear from you.

Responsibilities and accountabilities

- Provide engineering leadership and support to the Programme Management team in developing business case, requirements, consents and approvals.
- Translate business requirements into appropriate engineering scopes of work and solutions, constructively challenge requirements to optimise engineering performance & value for money.
- Implement and uphold the EWR engineering management strategy, policies, core processes and methods through a Programme Engineering Plan defining how engineering is managed.
- Lead Engineering Safety Management for the programme's engineering people and assets, assuring integrated system safety and performance at a programme level.
- Ensure compliance with the EWR Engineering Technical Strategy & Standards, appropriately challenge standards and negotiate derogations/concessions to optimise delivery performance. Provide required risk-based assurance evidence to Discipline Heads.
- Develop and maintain the programme engineering resource and capability plan, to acquire the required programme engineering resources (with functional competence assessment from the appropriate Discipline). Collaborate with other Programme Engineering Managers and Discipline Heads to optimise resource utilisation and delivery priorities across EWR. Gain the required delegated technical authorities from Discipline Heads to enable programme engineers to specify technical requirements and approve deliverables.
- Manage all project and discipline engineers reporting to the programme, through appropriate engineering line reporting. Set specific programme engineering objectives, managing engineering priorities and workbank across the programme project teams to ensure effective delivery. Implement effective KPI & Metrics, visualisation and reporting for engineering performance, promoting a high-performance culture.
- Manage senior external technical delivery partners and industry stakeholder relationships for the delivery programme. Ensuring requirements are agreed and any approvals gained. Support the EWR External Relations team with any technical engagement with local authorities, other key local stakeholders, other government departments, NR and other operators.
- Ensure system integration for the programme, identifying and managing technical interfaces to ensure that all inter-disciplinary engineering parameters are co-ordinated across the EWR programme projects and activities and with 3rd parties. Collaborate with other Programme Engineering Managers and EWR Engineering Railway level System Integration to identify and effectively manage technical interfaces.
- Actively manage programme level technical risk identification and mitigation, supporting EWR engineering in managing railway level technical risk.
- Actively manage and accelerate engineering innovation to meet EWR challenges, influencing the industry and informing EWR on technical opportunities and risk.
- Extensive experience of change management, rapidly adapting to emerging requirements, changing circumstances and high levels of uncertainty and ambiguity in a fast-changing environment

Team dimensions

- Working for the Programme Director (embedded delivery), accountable for meeting agreed performance objectives for delivering EWR business requirements to time, cost and quality.
- Reporting directly to the Engineering Director (functional employment), accountable for meeting agreed objectives for implementing EWR technical strategy, standards and assurance.
- A fully embedded member of the Programme Management Team, working closely with the Programme Director, Project Managers and Commercial Teams.
- As part of the Engineering Management Team, work closely with functional Engineering Heads of Systems and Disciplines to implement EWR Engineering Strategy, Policies, Plans and core processes.
- Accountable for managing the budget for the programme Engineering resources (staff and consultancy), with all programme employed engineers (Project & Discipline).
- 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

Experience and skills

As an EWR Programme Engineering Manager, you will have extensive experience in leading multi-disciplinary capital programme engineering teams in a regulated safety critical environment.

Your skills will include:

- Delivery of engineering solutions within large scale and technically complex projects
- Analysis of complex data, drawing effective conclusions and rapidly producing solutions and decisions
- Excellent communication with the ability to promote and execute programme strategy
- Influencing skills, including negotiating and facilitating joint decision making with colleagues and stakeholders
- Building and leading high-performance teams
- System Engineering and Asset Management tools and techniques
- Innovation and change management, including best practice continuous improvement methodologies
- Engineering Safety Management and best practice technical risk control methodologies

Your experience will include:

- Broad experience of project engineering in a complex, safety focussed and regulated organisation with multiple complex interfaces
- Personal responsibility for successfully delivering engineering projects of between £10-£200m value to time, cost and quality
- People leadership of large multi-disciplinary project engineering teams
- Experience of working within relevant UK rail industry legislation and standards

Education and qualifications

- Chartered or Incorporated engineer
- Bachelor's degree or equivalent in the field of engineering (or demonstrably equivalent professional experience)
- 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