Security Engineer

Employer: East West Railway Company
Location: Milton Keynes
Basis: Permanent

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.

Role Summary:

Being the technical expert in Security for the EWR programme with a good working knowledge of related dependencies/disciplines to be able to influence and direct programme on matters related to Security to ensure it delivers against the Whole life requirements and can be configured to the different configuration states.

Team Dimensions:

- Reporting to the Head of Systems Assurance.
- 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.

Responsibilities and accountabilities:

- Defining the whole life security system requirements in line with the business case and customer experience outcomes.
- Working with the Programme Engineering Managers in terms of assuring the whole life system security requirements are configured by the Technical Partner in line with the whole life system security requirements.
- Informing the EWR strategy and output requirements with expert technical advice and industry leading practice for Security systems.
- The setting of the EWR Technical Strategy for security, including standards and principles to optimally achieve the requirements.

- Assuring technical compliance through appropriate Verification & Validation and technical approvals.
- Challenging requirements to ensure that EWR deliver Security functionality that delivers the whole railway solution (operationally and systematically) and meets legislative requirements and industry standards.
- Driving security activities for the programme to enable the delivery of an integrated railway system and the achievement of the necessary safety and performance outcomes.
- The engineering regulatory interfaces: in relation to Security matters.
- actively manage and mitigate EWR system engineering and technical risks, including those related to Security, whilst assuring that technical risk is appropriately managed within delivery partners
- Leading the Security approach across the programme including ownership of the interfaces for this system and playing a key role in the Whole System Architecture activities, of which this functionality forms a critical part.
- Guiding Capital Delivery in implementing the Security requirements and strategy working closely with your peers in the rest of the Engineering Directorate.
- Actively managing and accelerating engineering innovation in relation to meet EWR challenges.
- Acting as a role model for EWR Co.'s vision and values, by supporting the EWR Co. commitment to customer service, promoting diversity in the workplace, adopting appropriate behaviour when interacting with colleagues, and encouraging and supporting others to do the same.
- Your own and others' health and safety by adopting and working to the EWR Co. Health and Safety principles, ensuring you follow safe working procedures at all times.
- Engage on security matters with local authorities, other key local stakeholders, other government departments, NR and other operators.
- Maintain cooperative relationships with DfT Land Security, Centre for the Protection of National Infrastructure (CPNI) and the British Transport Police (BTP) to collect and embed best practice in our rail systems design, Enterprise Architecture, Infrastructure Maintenance and Customer Service (Operations).
- Implement the HMG standards and guidelines such as the DfT 'Security in the Design of Stations' Guide through working with our designers and Police CTSAs and DOCOs as appropriate.

Experience and skills:

- Broad experience of specifying and implementing Security systems on a major programme working as part of a regulated organisation with multiple complex interfaces.
- Experience of applying the engineering lifecycle including requirements, specification, design, build and maintenance and verification and validation in relation to your specialism.
- Extensive experience of Security systems specification and design, including interface definition and management and control of same on a multi-disciplinary programme.
- Detailed understanding of what Security is, what its critical dependencies and interfaces are (including operational ones) and how this should be managed and controlled on a safety critical programme.
- Excellent experience of engaging with peers and stakeholders on your specialism.

- Extensive experience of change management, rapidly adapting to emerging requirements, changing circumstances and high levels of uncertainty and ambiguity in a fast-changing environment.
- Working within relevant UK rail industry legislation and standards.

Education and qualifications:

- Chartered or Incorporated engineer, or equivalent professional experience and training in the field of engineering or the equivalent in a technical and/or scientific discipline.
- Preferred is Chartered Security Professional (CSyP) with The Security Institute or Register of Security Engineers and Specialists Ordinary or Principal Member held by the Institution of Civil Engineers.
- You will need to have the necessary level of security clearance and the right to work in the UK.

What we offer:

- Competitive base salary
- Up to 12% employer's pension contribution
- 36 days holiday a year (including bank holidays) + up to 2 days to buy
- Life assurance
- Employee Assistance Programme
- Perks platform with hundreds of discounts and freebies
- On-the-spot and annual awards
- Advanced learning and development programmes
- Great work-life balance and flexible working opportunities
- Enhanced family-friendly policies
- Exceptional IT tools

EWR Co strives to embraces a flexible working environment, where a degree of flexibility is maintained to accommodate both the needs and preferences of employees and what is required to achieve business objectives. EWR Co will always work with any individual to assess and accommodate an individual's work life balance and style.

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**