

Job Title:	Principal Project Engineer (Systems)
Reports to:	Managing Director
Publish Date:	October 2021
Location:	United Kingdom; remote working with ad-hoc trips to HSRS and client premises.

The Job

Job Purpose	<p>You will help lead the systems engineering and assurance activities across our diverse project portfolio.</p> <p>We support a wide range of projects which range from a multi-billion pound transformative railway infrastructure programme which will improve connectivity in the North, the introduction of new signalling systems on some of the busiest approaches into London, new Railway Stations for Local Authorities and the breakthrough in transportation technology, Hyperloop.</p> <p>You will use your engineering skills to understand the integration of railway systems to help us deliver upon our commitments; keeping those that interact with the railway free from harm, keep people moving and help demonstrate how the requirements of Railway Regulatory Law are being met.</p>
Key Objectives / Accountabilities	<ul style="list-style-type: none"> • Responsible for the management and delivery of customer projects in the area of Reliability, Availability, Maintainability and Safety (RAMS); • Assess and recommend staff level and training requirements to fulfil project activities and provide advice to Senior and Assistant Project Engineers on RAMS related topics; • Become involved with projects across the complete project lifecycle including tender and proposal development to ensure that an appropriate definition of the RAMS related requirements is prepared and implemented; • Developing effective strategies to gain railway authority approval; • Play the role of a technical leader and provide monitoring and control of the activities throughout the project; • Ensure all the RAMS activities are completed consistent with the project technical, budgetary and delivery requirements;

	<ul style="list-style-type: none"> • Implement a common and auditable approach in the identification of Safety and RAM requirements, their implementation, and the demonstration of compliance with those requirements; • Comply with current best practice, including relevant legislation, standards (e.g. CENELEC 50126/50128/50129, the Common Safety Method (CSM), IEC 61508 etc.) and guidelines; • Keep up to date with risk assessment and risk management issues through continuing professional development; • To liaise with the client and external Assessment/Approval bodies as necessary; • Report project status and escalate any issues to the Director on a timely manner; • Contribute to the team objectives and provide action plan to achieve the objectives.
--	---

Person Specification

	Essential	Desirable
Education / Qualifications:	<ul style="list-style-type: none"> • A degree in engineering, maths, computer science, science discipline or equivalent training. 	<ul style="list-style-type: none"> • Chartered with a relevant professional institution (or equivalent).
Experience:	<ul style="list-style-type: none"> • 15 years of experience in the field of RAMS. • 5 years RAMS experience in rail industry including application of the CSM RA Regulations. • Experience of developing full suite of system safety documentation including technical safety cases. • Proven experience of involvement in hazard identification / risk assessment workshops. • Proven experience in RAMS analysis (FTA, FMECA etc). • Team Management experience. 	<ul style="list-style-type: none"> • Experience of working with Independent Safety Assessors (ISA), Assessment Bodies (AB). • Experience in conducting ISA/AB assessments.

Skills / Aptitudes/ Behaviours:	<ul style="list-style-type: none"> • Knowledge of Mechanical, Electronic and Systems engineering principles. • Ability and willingness to operate at strategic and operational level. • Ability to communicate and report, in both verbal and written English, to colleagues and clients on highly technical matters. • Positive attitude, self-motivation, and excellent time management. • Ability to build rapport and strong relationships. • Ability to flourish with minimal guidance, be proactive, and handle uncertainty that comes with project delivery. • Excellent communication and IT skills including Microsoft Office.
Other Job Requirements:	<ul style="list-style-type: none"> • Proven right to work in the UK. • Willing to undertake further training to fulfil the requirements of the role. • Willing to work additional hours to meet the demands of the role. May be required to travel on company business on an ad-hoc basis.

The Package

Salary: >£75,000

- | | |
|-----------------------------------|------------------------------|
| • 25 days holiday + bank holidays | • Private medical healthcare |
| • 5 days charitable allowance | • Life insurance |
| • Employer pension contribution | • Critical Illness cover |

Application

If you would like to apply then please submit your CV and covering letter to:

Contact@HSRsolutions.co.uk

About us

High Speed Rail Solutions' mission is to successfully integrate complex railway systems and demonstrate they are safe, reliable and compliant. Our vision is to be recognised as the SME supplier of choice for the provision of Systems Engineering and Assurance services within the UK railway industry.

We understand the criticality of safe integration in railway projects and know the risks that can quickly emerge when engineering changes are being made to functioning railway infrastructure.

HSRS works with Infrastructure Managers, Local Authorities, Equipment Manufacturers, Design and Construction companies and other professional services organisations to keep those that interact with the railway system free from harm, keep people moving and demonstrate how Railway Regulatory Law requirements are being met

If you are motivated and results-driven, and enjoy working in a team environment, we'd like to meet you. Our office is vibrant and dynamic and we are a fastgrowing company with strong ambitions.