

## Principal Systems Safety Engineer

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Company: ETS Egis Transport solutions

Location: United Kingdom

Category: architecture-and-engineering

Typically, the role will require the following contributions:

Responsibilities:

Lead and coordinate the Safety assurance activities on projects

Develop project specific system safety strategies to comply with the projects' processes.

Coordinate with disciplines within the wider organisation; develop systems safety methodologies to comply with projects and clients' requirements.

Manage all aspect of system safety compliance, risk analysis and evaluation, preparation of safety products and ensures that there is suitably qualified professional oversight of all matters related to system safety.

Co-ordinate system safety products, including systems definitions, Hazard Identification, system status records and system safety cases

Carry out hazard identification using hazard identification workshops (HazIDs), hazard and operability studies (HazOPs) and other methods

Manage System Safety Hazard Records to capture details of the identified hazards

Define the CSM-RA Risk Acceptance Principles to control the risk arising from each hazard and identifies potential Safety Measures to make the risk associated with the

hazard acceptable.

Provide compliance evidence and work collaboratively with the Client and the Assessing Body (AsBo) to achieve the required Authorisations under Railways and Other Guided Transport Systems (Safety) (ROGS) Regulations, and the Railways (Interoperability) Regulations 2011, through the Safety Assessment Reports produced by the AsBo.

Provide compliance evidence to Approved Body (ApBo) and a Designated Body (DeBo) as independent assessors to ensure compliance with the RIR. Interoperability compliance is achieved by the obtention of an Interim Statement of Verification (ISV).

Ensure that associated products or systems, are fully compliant to the relevant and applicable National Technical Specification Notices (NTSNs).

Develop Safety Case, Safety Process Management, Reliability analysis for all sub-systems

Lead the team issuing and maintaining reports and logs (Hazard Log, RAM Management and Assurance Plan, Failure modes classification, RAM modeling plan, Safety requirements)

Verify and Assess the design & construction requirements and the functionality of the design for reliability and safety purposes

Lead the team processing Capability performance analysis and Root cause failure analysis

Take ownership of and manage all System Safety Assurance deliverable.

Directly lead the issues, as well as follow-up on the related key performance indicators of the project

**In order to be considered candidates must fulfil the following requirements:**

Degree (or equivalent) in engineering or an appropriate discipline

Extensive rail experience gained in a similar position.

Experience of delivering system safety assurance activities in a rail environment, in design and build projects.

Experience in delivering in compliance with CSM, Interoperability and NTSNs ,maintenance / operability requirements and standards for railway sub-systems

Experience of managing a team of System Safety Engineers is advantageous.

Willingness to mentor and develop others. You want to pass your technical skills and rail knowledge to your team.

Excellent communication skills.

Team Player

## **You will need the right to work in the UK**

### **What's in it for you:**

By joining Egis, as well as receiving a competitive salary, you'll also have the opportunity to explore flexible working arrangements.

27 days' annual leave plus bank holidays

Annual Bonus depending on level.

Healthcare – Individual based on employee level

Life Assurance Bereavement Support Service

Cycle to work Scheme

Eye Care Vouchers with Specsavers

Travel Loans

Mobile Phone Allowance

Workplace Nursery Scheme

Electric Car Scheme

Training & Development

## **Equality, Diversity & Inclusion**

We at EGIS are an Equal Opportunities employer and we recognise the value of a

Diverse Organisation. EGIS appreciates all job applications. If you decide to apply for an opportunity at EGIS, your application will be assessed based purely on your experience, the essential and desirable criteria, and your suitability for the role. We value each and everyone's contribution as this builds our culture and means, if you work for EGIS, you will be included, listened to, and respected.

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