Head of Systems Integration

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Company: Egis

Location: United Kingdom

Category: computer-and-mathematical

General information

Organisation

Egis is an international player active in the consulting, construction engineering and mobility service sectors.

We design and operate intelligent infrastructure and buildings capable of responding to the climate emergency and helping to achieve more balanced, sustainable and resilient territorial development.

With operations in countries, Egis places the expertise of its 18, employees at the disposal of its clients and develops cutting-edge innovation accessible to all projects.

Improving people's quality of life and supporting communities in their social and economic development, whilst drastically reducing carbon emissions and achieving vital net zero targets, that's our purpose.

Reference

Position description

Job title

Head of Systems Integration

Contract type

Permanent contract

Business Line specific context

Egis is a global consulting and engineering firm working in construction, transport and

mobility services. Joining our Group and its 19, employees means, above all, sharing our values as a people-first company, strongly committed to sustainability and innovation.

In the UK, we are delivering some of the most iconic projects which help connect people, protect our environment and meet emission reduction targets. We work in the transport and energy sectors, providing consultancy, engineering and operations services for clients such as major airports, governments, regulators, cities and rail and road operators.

With over 50 years of experience in the rail industry, weve delivered complex and challenging multidisciplinary projects all over the world. Our expertise extends to depots, operations, maintenance analytics and asset management across all aspects of rail, including transport, technical and sustainability assessments and systems infrastructure.

Egis Transport Solutions, a business unit of the Egis Group, brings together all of the necessary expertise for guided urban transport and heavy rail: systems, automation, rolling stock, safety, equipment, civil engineering, environment, etc.

We have an exciting new opportunity for a Head of Systems Integration to join our Rail team in London. Ideally you will have extensive UK Rail experience and looking to develop your career as the technical lead, manage design processes and support bids for our growing business.

Job description

As a Head of Discipline within your discipline you will be accountable for:

Management of your discipline on projects

Ensure compliance with the relevant lifesaving rules,

Proactively review design documentation to ensure construction risks are mitigated at the design stage

Review and sign off the relevant safety documentation as required (CPP/WPP/TB)

Review, evaluate and implement rail industry standards to ensure compliance of the engineering deliverables to the standards (quality),

Brief the engineering team as necessary on standard updates,

Maintain and develop competency of the engineering team within your discipline, including:

· Competency assessment,

· Professional reviews,

· Training plan,

· Guidance and mentoring to junior engineers/team members,

· And support the senior team in growing the technical capability of the discipline/business

· Promote sustainable design and development,

· Promotion and encouragement of innovation,

· Capitalization of the acquired know-how to share it across projects

You will also work on:

Biding opportunities across the UK and International Rail business: to support the growth of revenue and capability of ETS Engineering Directorate,

Projects for multiple commissions across the UK and International Rail business

When working on bids and projects, as Head of Discipline you will act as:

Bid Lead (CDPO)/ Project Director for some specific assignments, or,

Technical Lead / CEM for Network Rail, or Third Party rail, projects with overall accountability for all engineering activities and outputs on the projects (reporting to a Project Director). And provide on these bids and projects, senior engineering management with extensive lifecycle-wide knowledge of railway systems, including project delivery, systems assurance, safety engineering (CSM, interoperability, CDM), infrastructure and rail vehicle engineering.

Your responsibilities will include but not be limited to:

Take a lead role in managing the design team in your discipline and managing all technical aspects related to interdisciplinary coordination

Implement efficient processes to manage system safety (including CDM, CSM-RA and interoperability), Verification and Validation (V&V) and system assurance

For some commissions, lead the whole technical production (cross-discipline) of the project, i.e. act as Task Responsible/ Technical fee and being the unique interlocutor of the Project Director,

Be responsible for progressing all design and development activities and ensure the design activities / deliverables (e.g. reports, calculations, drawings etc.) are delivered on time and budget

Be responsible for the consistency of the deliverables across all projects

Plan and co-ordinate the activities of the design team (CAD, engineers, expert resources)

Ensure the production of specifications across disciplines

Profile

Skills and Experience

Essential:

10-15+ years of experience in Engineering / Technical functions, with at least 5 years experience as a CEM / CRE / System Integrator / Design Manager

Excellent knowledge of railway infrastructure, systems, and operating requirements

Excellent management skills with the ability to support, mentor and animate a team of engineers and technicians,

Significant experience of developing and implementing strategies for projects and programmes

Excellent understanding of rail engineering, including Network Rail and associated rail standards, and related regulations (CDM, CSM, RIR)

Proven capability in managing design for a rail, especially in multi-disciplinary environments

Excellent relationship management skills with the ability to engage, negotiate and manage key stakeholders and suppliers

Excellent engineering, analytical and problem-solving abilities

YOU MUST HAVE THE RIGHT TO WORK IN THE UK

Desirable:

BSc or similar in Bachelor Degree (BEng, BSc) in a Numerate, Scientific or Engineering subject or Higher Education/equivalent training and experience.

Chartered Engineer status from a recognised institution

Relevant experience in the design, specification and procurement of infrastructure,

tram/metro design preferably

Wide knowledge of the rail environment appreciated

Experience of managing a multi-disciplinary team

Knowledge of QA

Whats in it for you:

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

27 days annual leave as well as bank holidays

Annual Bonus

Healthcare Individual or family 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 everyones contribution as this builds our culture and means, if you work for EGIS, you will be included,

listened to, and respected.

We are committed to our planet

In each project we design, engineer and operate we care deeply about the legacy were leaving behind. As part of our team, youll have a unique opportunity to use your skills and expertise to shape a better future for our communities in the UK, and all around the globe. Our commitment is translated in the work carried out by our Egis Foundation, which funds concrete actions to address the climate crisis and is focused on educational and social initiatives that will help in the responsible and sustainable shift towards a sustainable world.

Position location

Job location

Europe, United Kingdom

City

London

Candidate criteria

Minimum level of education required

4-Bachelor of Arts / Bachelor of Science

Minimum level of experience required

Over 10 years

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