

ROLE PROFILE

SENIOR CONSULTANT ENGINEER

ROLE PURPOSE

The role is to perform as a Railway Consultant Engineer in delivering billable work within Technical Consultancy. The work will be a combination of traditional Railway Technical Consultancy workload whilst developing DB ESG's new business streams based on the candidates own capabilities and DB ESG's innovations pipeline workload.

This role will involve managing the day to day Technical Consultancy workstreams from initial enquiry, through bid development to project delivery. The successful candidate will liaise with customers to determine the detailed scope of the tender, produce the detailed technical proposal, and deliver the successfully tendered projects in collaboration with the Technical Consultancy team.

DB ESG are also developing new workstreams based on bringing new innovations into rail; from applying new technologies to old problems, to developing new working practices to improve efficiency and quality to the end customers. The successful candidate will be at the forefront of this business development and would be expected to have an innovative mindset and keen to suggest and develop new ideas.

It is expected that the candidate will be involved in wide range of project/technical areas. Working closely with industry and international experts to identify, deliver and enhance projects that can shape the future of the rail industry.

Projects may involve the integration of emerging technologies into the industry, or the development and introduction of novel thinking and innovation. DB ESG have been pivotal in shaping areas of the rail industry with examples including the introduction and proving of digital manufacturing technologies, the integration of future proofing technologies to fleets of vehicles, design for decarbonisation and the development of feasibility studies to enhance the passenger and operator experience of the future. There is also the opportunity to work with industry leading experts both in the UK and internationally through the wider DB Group.

ACCOUNTABILITIES

- Responsible for excellence in technical delivery, placing DB ESG in the position of preferred supplier to existing customers and open opportunities with new customers.
- Contribute to the development of effective technical relationships with existing and new customers and supply chain partners.
- Contribute to a teamwork culture within a team of Mechanical Engineers ensuring efficient and effective communication with other areas of DB ESG and RAL for the successful delivery of projects and innovation.
- Support to the Technical Consultancy Team - to include training staff, industry participation, personal performance management in line with the appraisal process.
- Maximise knowledge sharing through appropriate reviews and document management.

Our People - **Your Experts**

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- Capable of managing own time effectively to work on multiple projects simultaneously.
- Responsible for delivery of work packages to time, cost and quality.
- To provide technical support, advice and guidance to other team members.
- To take responsibility for promoting the company values and contribute to the strategic aims of the business.
- Contribute to the definition of new processes and procedures and development of existing processes and procedures within the Mechanical Engineering team.
- The application of and development of innovative technologies and services.

PERFORMANCE TARGETS

- Ensure that technical delivery of all work packages meet project requirements and industry standards.
- Agree and manage work package budgets for the delivery of activity.
- Ensure personal utilisation targets are met.
- Keep up to date with industry developments including new standards and technologies.
- Ensure that technical knowledge and skills are developed and maintained as 'best in class'.

ESSENTIAL KNOWLEDGE, SKILLS & EXPERIENCE

- Shall demonstrate competence, experience and knowledge in the field of Engineering. Specific railway engineering experience is not required.
- Strong negotiation and problem-solving skills to correctly interpret customer requirements and determine actions to deliver them.
- Innovative and questioning mindset, able to identify new opportunities which could be introduced into Rail.
- Project Engineering capabilities with experience supporting design development and delivery.
- Chartered Engineer or working towards.
- At least 4 years relevant industry experience.
- Excellent communication skills are vital for Consultant Engineers therefore the successful candidate will be expected produce clear, concise, and precise reports, and able to communicate effectively with customers, suppliers and within the business.
- When providing Technical Support, information provided must be clear and unambiguous, all verbal information shall be supported with confirming documented evidence. Issues relating to Standards, Safety and Risk must be clearly communicated to the customer.

DESIRABLE KNOWLEDGE, SKILLS AND EXPERIENCE

- Experience with cost and time estimating in a commercial environment.
- Experience of failure investigations, design modifications, or maintenance plan

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development/optimisation.

- Knowledge of Additive Manufacturing and IoT systems.
- Data Analyst skills using mass data to extract useful information.
- Business Analyst and Systems Analyst experience.
- Experience with undertaking risk management work and the production of risk assessments.
- Knowledge of the railway industry, legislation and approvals processes.

PERSONAL ATTRIBUTES

- Innovative and creative thinker
- Self-motivated
- Capable of working under pressure
- Team player
- Approachable
- Pro-active
- Organised
- High level of integrity
- Ability to prioritise

POSITION IN ORGANISATION

- This position reports to the Mechanical Engineering Manager.