



DB Engineering & Consulting GmbH

Systems Safety Manager (f/m)

Job-ID: EC01782
Region: Near and Middle East

Railways for the world of tomorrow!

DB Engineering & Consulting (DB E&C) is a part of the **DB group**, a world leading global railway company with an extensive organization in Germany and projects around the world. Our company offers technically sophisticated and customized infrastructure, mobility and transport solutions. With our sustainable concepts, gained from our experience in project work for decades, we ensure the future success of economic regions, make important contributions to the protection of the environment and help shape the world of the future. We represent **180 years of rail experience** and our infrastructure projects connect continents. We set the standard for transportation and modern mobility.

For our Al Haramain Highspeed Railway Project in Jeddah, Saudi Arabia, we are seeking a **Systems Safety Manager (f/m)**.

The Haramain High Speed Rail Project delivers a new electrified passenger railway line, approximately 450 km in length with a commercial operating speed of 320 km/h. The project aims to provide a fast, comfortable, reliable and safe mode of transport between the Holy Cities Makkah and Madinah utilizing state of the art proven technology. Furthermore, HHR Project will establish five stations one in each of the major cities of Makkah, Madinah, Jeddah and King Abdullah Economic City (KAEC) in addition to King Abdullah International Airport (KAIA).

Your responsibilities:

- Provide guidance to client in managing and monitoring System Safety function of Operator/Maintainer
- Periodically review and update System Safety Procedures, Plans and Systems in OCC/BOCC and within stations and on-board rolling stock (Safety Management System)
- Monitor O&M contractor's performance against Safety KPI's, as well as management of Hazard Log, through audits and exerting risk assessments
- Ensure hazard log is updated regularly and that all risks within are mitigated accordingly
- Monitor competency of operation staff, identify training needs and monitor knowledge transfer
- Development of a safety and security program oversight plan (SSPOP)
- Attend and participate in daily operational briefing
- Managing DB's System Integration Exercise leading Testing and Commissioning activities according to project VTA procedure
- Provide System Safety Assurance covering DB and O&M contractor's area of responsibility
- Auditing and monitoring RAMS
- Analyzing the reliability and availability of designs and systems, identifying failures, assessing their consequences and following the contractors to develop appropriate control measures
- Liaising with the Consortium entities to facilitate the resolution of any cross boundary RAM issues and providing support to ensure that the RAM Plan is implemented consistently across the program and RAM requirements are met



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- Make improvements to and offer advice about operational procedures, suggesting and recommending preventive measures for failure & degraded mode of railway operations
- Monitoring performance and evaluating the process made during normal and degraded mode of railway operations with respect to RAM requirement
- Writing reports and documentation as well as collecting operational performance & RAM statistics
- Undertaking and assessment of qualitative & quantitative risk
- Planning, developing, investigating and reviewing incident, emergency and crisis management process

Your profile:

- A University degree (B. Sc. or M.Sc.) in Electrical/Mechanical Engineering with emphasis on railway operations
- At least 10 years' professional experiences, especially RAM Management as applied to major railway infrastructure projects / technology development and implementation and High Speed Rail experience with ERTMS/ETCS
- Minimum 12 years relevant work experience
- International working experience required
- Excellent English skills
- knowledge in Arabic and/or German desirable
- Relevant IT-Skills
- International driving license is compulsory
- Experience in international railway projects
- Willingness to re-locate to Saudi Arabia for at least two years

Start date:

Immediately

Location:

Jeddah, Saudi Arabia

In case you match the profile and are interested in a complex task within the transport sector, we are looking forward to receiving your application through our website https://www.db-engineering-consulting.de/db-ec-en/career_and_training/online_application.html

Please state the reference number (**EC01782**), your earliest possible availability as well as your salary expectations.

Please note that your application will be saved and used in electronic form as a part of the application process for this position.

Thank you for considering DB Engineering & Consulting as prospective employer!