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Maintenance Engineer

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Date: 10 Mar 2023

Location: Johannesburg, GT, ZA

Company: Alstom

Req ID:413363

We create smart innovations to meet the mobility challenges of today and tomorrow. We design and manufacture a complete range of transportation systems, from high-speed trains to electric buses and driverless trains, as well as infrastructure, signalling and digital mobility solutions. Joining us means joining a truly global community of more than 38 900 people dedicated to solving real-world mobility challenges and achieving international projects with sustainable local impact.

Gibela Rail Transport Consortium invites suitably qualified candidates to apply for the Maintenance Engineer position. The position will report to the TSSSA Maintenance Metier Manager.

The successful candidate will be based in Randjespark, Midrand.

Purpose:

- Execute the Services Engineering activities in the project.
- Main interface between product development Engineering team (Rolling Stock) and manage both the Integrated Services Readiness (ISR) and Maintenance Teams on deliverables during the product development phase.
- Be involved in Rolling stock DFQ cycle for managing the Designs/ Changes to be ready for maintenance and after warranty phase during maintenance activities.

Mobility: Travel to suppliers including PUs, Depots countrywide, Alstom and Gibela sites as operationally required.

Measurement (Key Performance Indicators)

- Quality
- Quality of ISR deliverable during the project phase.
- Control of QCD target
- Customer satisfaction
- OTIQ
- OTIF
- LCC Improvements from Maintenance Regime Optimisation
- Reliability improvement
- Product Training
- DFQ for ISR activities
- Operation Technical Support

Responsibilities and objectives:

- Ensure all Work Instructions (WI), Maintenance Instructions, Maintenance and Safety Bulletins including all other associated Risk assessments necessary are produced to the relevant standard and presented for sign off in a timely manner
- Produce clear and concise technical documentation in the form of specifications, test procedures, modification instructions, maintenance and safety instructions and technical reports
- Lead optimisation of the maintenance schedule and casualty repair procedures in light of service experience and Operations feedback including:
 - Justification of inspection periodicity
 - Specification of materials and tools
 - Arranging and carrying out validation of tasks
 - Carrying out product/process audits of depot maintenance and casualty repairs

- Assist PRASA and/or GIBELA Front office as necessary to diagnose train defects where technicians require guidance
- Escort the Customer during Routine Condition Audits and undertake product and process audits as required ensuring the integrity of the fleet and maintenance processes.
- Manage the production and maintenance of the Bill of Material (BoM), and WI.
- Manage the production of the preventive & corrective & overhaul Life Cycle Cost (LCC).
- Continually review all Maintenance, Reliability, Overhaul and associated documents to ensure all are up to date and correctly formatted.
- Assist in parts identification, creation of DTR numbers and obsolescence management.
- Produce, update training material, and perform training as trainer to PRASA & GIBELA team and any other GIBELA training needs.
- Act as a technical expert continuously develop expertise in selected field.
- Continuously improve Training material and sustain Trainer qualification in order to provide Training courses to PRASA at the expected service level.
- Obtain Training accreditation i.e (SETA, TETA, etc)
- Support the Hotline / Help desk service to PRASA at the expected service level

Requirements:

- BSc/B.Eng. Degree (Mechanical Engineering) with 3 years working experience in the similar industry
- Equivalent: BTech (Mechanical Engineering) with 5 years working experience in the similar industry
- Registered or Registerable as a Professional Engineer/Technologist with ECSA
- Knowledge of rolling stock maintenance
- Knowledge of Reliability, Accessibility and Maintainability Aspects
- Life Cycle Cost/RAMS experience
- Training experience is an added advantage
- Working knowledge of safety management systems and safety risk assessments.
- Problem Solving capacity (Technical and cost evaluation of a solution)
- Capacity of managing Technical Risks
- Solid decision-making abilities and critical thinking
- Tools - Good understanding of understanding on Prognostic Tools
- Proficient in the use of Microsoft Office (Excel, Power Point, Word)
- Proficient in the use of MS Office, SAP (System Analysis Program)/GSI (Global Simple Instance)

Closing Date: 19 July 2023

An agile, inclusive and responsible culture is the foundation of our company where diverse people are offered excellent opportunities to grow, learn and advance in their careers. We are committed to encouraging our employees to reach their full potential, while valuing and respecting them as individuals.

Job Type:Experienced

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