



Job Description

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Job Title

Instrumentation & Control System
Engineer

Job Location

Tanga

Category

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Job Type

Full Time

Job level

Supervisory

Industry

Oil & Gas

Open to Expatriates

Open to Expatriates & Local Nationals

Minimum Requirements

Min Budget

-

Max Budget

-

Primary Industry

Oil & Gas: 5 Years

Secondary Industry

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Primary Category

-

Secondary Category

-

Certificate

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Qualification

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Summary

The job holder assists and supports, within the Field Operation team for all the maintenance and inspection activities related to the ICSS (Integrated Control and Safety Systems), Instrumentation and Telecom of the future EACOP facilities. He is responsible for all aspects related to ICSS and Instrumentation during the maintenance and inspection engineering phase and shall bring assistance on this subject as and when required. During operation, he will support the maintenance needs of instrument, ICSS, and telecom including associated services company and contracts.

The job holder will pay particular attention to the identification and the right definition of the performance standard of the Safety Critical Element in his perimeter.

Responsibilities

Management:

- Ensures Instrumentation, ICSS and Telecom support teams cover the obligations in term of maintenance strategy update, performance monitoring, contract, and stock strategy. Define priorities to focus on delivering values matching with Field Operations Objectives.
- Produces, reviews guidance documents, procedure, standard related to his perimeters.
- Follows ICSS major maintenance & Update.
- Ensures implementation of operation and maintenance strategy based on FO objectives. Ensure management system is up to date and in line with the Area performance objectives. Recover any REX from Area and analyse KPI to set-up maintenance strategy accordingly.
- Assess and audit CONTRACTOR procedure managing material repair in workshop are well implemented to secure reliable tracking system, follow-up, and progress.
- Ensures CONTRACTOR stock management by technology in line with criticality study, capability to repair and availability objective.
- Optimization: Review and challenge CONTRACTOR maintenance plan on instrumentation and ICSS and do proposal to reduce downtime and cost to optimize cost VS running hours.
- Secure life cycle management of equipment / packages; implement studies and action plan to secure maintainability of the plants (obsolescence).
- Responsible for implementing and sustaining all cybersecurity solutions to guard industrial network against cyber-attacks.
- PI system Administrator for Field Operations. Manages PI sustenance and development to adequately cover rotating equipment, metering, and other requirements

Operations:

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- Recommends diagnosis & corrective actions related to major malfunctions and failures. Comments Contractor action plan and assess CONTRACTOR competencies and process to solve major malfunctions and failures. Support CONTRACTOR if required.
- Organizes and maintain instrument equipment database. Guarantee the quality of activity reporting, particularly through CMMS.
- Reliability: Responsible of COMPANY reporting regarding reliability improvement as a continuous practice to maximise plant availability; identify improvement opportunities in organization, facilities availability, and technical costs; represent progress in reliability meeting.
- Follow KPI's defined and attend / prepare for meetings, update dashboard upon requirement, provide action plan for reliability meeting...
- Develop positive and constructive relationships with contractors and suppliers. Identify opportunities to improve contractor/supplier performance, reduce costs and improve the quality of services/products supplied.
- Act as technical discipline focal point on specific project/work scopes and contracts, taking a lead role in the involvement/co-ordination of, and interface between, site/ teams/contractors ensuring effective communication and understanding between appropriate parties.
- Assure best safety and asset availability during start and first 3 years of operations.
- Put in place proper, optimized work practices, methodology and structure

In the context of teamwork and in the field of maintenance:

- Shares and provides reliability analysis, optimization, and availability of equipment in line with the production objectives.
- Prepares and manages Contract technical need for the Maintenance contract team to implement on time in line with operation readiness planning.
- Defines maintenance policies and ensure international rules and standards followed according to his disciplines.
- Participates and updates REX and recommendation for future contract as the organisation strategy.
- Participates to contractor and subcontractor audits.
- Regular site visits.
- Adequate maintenance plans for related equipment and evidence of execution via CMMS
- Adequate material replenishment plans and effective liaison with C&P to always ensure required stock levels.
- Effective execution of assigned contracts.
- Availability, reliability, and obsolescence management of Instruments/PLC/ICSS/Metering systems

Education & Qualifications

- Engineering Bac +5 level with specialization in ICSS or Instrumentation, or equivalent proven experience (Engineer)
- Industrial information security system training
- ERB Registration as a Professional Engineer

Requirements

- Experience in instrument and ICSS maintenance and management (over 10 years), competence in cyber security, oil/Electric/production/terminal knowledge ...
- Experience in industrial maintenance (over 8 years) and maintenance methods.
- Experience in team management.
- Very good knowledge of Instrumentation and Fundamentals of Legal Metrology in metering of petroleum products.
- Reliability, autonomy, analytical, organizational capacity, and leadership
- Sense of method, flavor analysis, rigor, and organizational skills
- Proficiency in English, both spoken and written.

Reporting To

Head of Maintenance and Inspection

Driving Licence

Not Required

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