Job Description

9th Floor Tanzanite Park, Victoria, Dar es Salaam, Tanzania | +255 758 778 886 | info@empower.co.tz

Job Title
Telecommunication Engineer

Job Location
Tanga

Category
-

Job Type
Full Time

Job level
Intermediate

Industry
Oil & Gas, Telecommunication

Open to Expatriates
Open to Expatriates & Local Nationals

Minimum Requirements

Min Budget
-

Max Budget
-

Primary Industry
Oil & Gas: 10 Years

Secondary Industry
Telecommunication: 10 Years

Primary Category
-

Secondary Category
-

Certificate
-

Qualification
-

Summary

The Telecommunication Engineer will be managed by the Head of Maintenance and Inspection. Telecommunication Engineer will oversee the communication equipment and systems maintenance activities for all EACOP sites.

The Telecoms Engineer will be subject to travel to remote sites.

EACOP Telecommunication engineering equipment types are mainly:

- Marine (VHF) Radios and Marine Telecom systems as Berthing Aids system.
- Public Address & General Alarm Systems (PAGA)
- Fiber Optic Communication Network System & Ethernet
- All telecommunication systems equipment such as computers, system software and hardware & cabling.
- CCTV, PABX, LAN, WAN, VSAT, UHF, VHF, microwave, routers, switches, Intrusion Detection System (IDS) and Ethernet telecommunication systems.

Responsibilities

- Executes/Ensures all Preventive Maintenance (PM), Corrective Maintenances (CM) and major maintenance activities (both planned and unplanned), maintenances of telecommunication system equipment to ensure efficiency and integrity of the telecom equipment.
- Performs modifications and changes required on the telecommunication system to correct all deviations to the allowable ranges (if any).
- Provides a range of services and engineering solutions revolving around different modes of communication and information transfer, such as wireless telephony services, radio and satellite communications, internet, and broadband technologies by ensuring the quality of connections to allow for seamless data and voice transmission are reached.
- Contributes to the development of new telecommunication systems, design or maintenance standards as required using external consultants as required.
- Assists in ensuring the telecom system complies with industry safety, reliability standards and regulatory requirements.
- Contributes to security network obligations related to compliance in relation to all technical requirements, regulations, and legislation certification.
- Conducts Telecom computer diagnostics to investigate and diagnose hardware and software problems.

- Replaces defective components and provide technical assistance/solution.
- Performs data backups and maintain an inventory of communication system equipment spare parts for emergency repairs and normal maintenances.
- Establishes telecom system recovery procedure. regular test or drill to organized as to test the procedure.
- Responsible for understanding and complying with all policies, procedures, and local authorities' regulations relating to telecommunications.
- Analyzing and testing communication networks for reliability, signal quality, error rate and ranges.
- Completes and submits required frequency coordination forms, Local Regulatory Authority (i.e., Tanzania Communications Regulatory Authority - TCRA) radio frequencies license applications & renewal, and use permits to allow marine radio and microwave communications to take place in accordance with local regulatory authority requirements.
- Prepares radio propagation charts for internal and external client agencies to
- Depict radio coverage on existing or test sites of interest.
- Monitors telecommunications systems to assess the need for updates, upgrades, enhancements, obsolescence, preventive maintenance and/or new systems.
- Performs root cause analysis/troubleshooting and ensure continuous updating of company telecommunication assets and configuration management systems are of high integrity.
- Configures and maintains routers, switches, and hubs for the enterprises' telecommunication network.
- Perform performance fine- tuning and preventive maintenance on network devices, establishing performance thresholds, monitoring performance, and diagnosing and correcting network slowdowns or congestion.
- Prepares RFQ, Technical Bids Evaluation as required. Review the ITB (Invitation to Bid) documents submitted and evaluating and procuring new products and services from vendors.
- Acting as a liaison to telecommunication vendors to maintain critical systems and equipment.
- Work closely to ICT and Instrumentation maintenance engineer during telecommunication system intervention such as fault finding/troubleshooting.
- Ensures a high standard of housekeeping and safe work practices in and around the plant and pipeline facilities.
- Ensures that maintenance activities are performed in strict compliance with COMPANYs current safety rules and operating procedures and in accordance with best industrial practices/standard. Thereby guarantee the quality of the maintenance operations conducted on Site by the Contractor and outside agents.
- Assists in the Preparation of TORs and BOQs for procurement of suitable contractor or consultants for the outsourced maintenance services regarding telecommunication system equipment, works or procurement of goods and spare parts.
- Assists in the preparation of the annual departmental budget for the telecommunication engineering unit.
- Participates in Maintenance Campaign Activities during routine planned or emergency maintenance of campaign zone area and ensure it is done safely and efficiently.
- Preparation and updating Standard Operating Procedures (SOP's) for telecommunication systems equipment maintenance and operations.
- Manages sub-contractor for maintenance and inspection of telecom systems.
- Assists in preparation of work pack and end of test report upon completion of job as per client requirement.
- Promotes and implement the company's safety, health, and environmental policies.
- Contributes to HSE performance in line with EACOP objectives.
- Contributes to the improvement of skills and know-how.
- Assure best safety and asset availability during start and first 2 years of operations.
- Put in place proper, optimized work practices, methodology and structure.
- Train and coach local staff up to required professional and experience level to manage autonomously.
- Performs any other duties relevant to the scope of work that may be assigned by supervisor.

Health, Safety & Environmental Responsibilities:

EACOP is committed to ensuring that the health, safety and welfare of workers, communities, and the environment are well addressed and managed. Therefore, the employee is mandated to:

- Fully complies with Company H3SE (Health, Safety, Social, Security & Environment) policies and Life Saving Rules.
- Actively participates in HSEQ and promotes this culture to co-workers.
- Remain vigilant and maintain continuous awareness of potential unsafe conditions.
- Communicates to management any HSE related concerns and ways to improve them.
- Maintains a workplace & workspace that is safe, clean, and always neat – practice good housekeeping

Education & Qualifications

- Degree in Telecommunications engineering/Electrical Engineering/Instrumentation & Control Engineering/Computer Science & ICT or equivalent qualification from a recognized institution.
- Proficiency in Oral and written English.

Requirements

- Not less than 10 years of experience in Oil & Gas industry, Telecom or a high potential working as Telecommunication engineer.
- MS office good experience
- CMMS experience/knowledge.
- Experience on plant security systems like Video Access Surveillance System, Access Controls and Identification Management System or Intrusion Detection System (IDS).

Characteristics

- Strong expertise in telecom systems and network infrastructure
- Strong maintenance, troubleshooting and root-cause analysis skills
- Regulatory, vendor and contractor management experience
- Strong HSE, leadership and remote-site readiness

Reporting To

- N+1: Head of Maintenance and Inspection
- N+ 2: Operation Director

Driving Licence

Not Required

To Apply for This Job Click Here