At Power Group Technologies (TZ) Ltd, we are a dynamic and fast-growing company specializing in power solutions, renewable energy, electrical systems, cooling technologies, and data center infrastructure services. With a strong commitment to delivering reliable, sustainable, and innovative solutions, we are trusted partners to clients across telecommunications, commercial, industrial, and government sectors.

As we continue to expand and strengthen our operations in Tanzania and beyond, we are seeking talented, passionate, and dedicated professionals to join our team. At Power Group Technologies, we believe that our people are our greatest asset, and we provide an environment that encourages professional growth, teamwork, and innovation.

We are excited to announce job openings across various departments and invite motivated individuals who are ready to make a difference in the energy and technology industry to apply.

S/N	Vacany
1	Commissioning Manager
2	ECS Engineer
3	F & G Engineer
4	FSR Supervisor
5	HSE Manager
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8	LV Control & Power Cable Termination Technician – Grade C
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10	Mechanical Engineer - QC Manager
11	Mechanical Engineer
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13	MV Cable Jointer 33kV to 6.6kV Termination Technician
14	Power Transformer 15 and 23 MVA Expat
15	Process Automation Engineer
16	Protection Engineer
17	QC Engineer
18	Site Planner Material Controller
19	Site Technical Office Leader
20	Team Leader
21	Telecom Engineer
22	UPS Engineer

Job Title
Commissioning Manager – Electrical

Location
Tanzania (Site-based)

Contract Duration
18 Months

Position Summary
The Commissioning Manager – Electrical will lead all site-based electrical commissioning activities for the project. This role requires a senior electrical engineer with extensive experience in commissioning of high-voltage substations, power distribution systems, and automation/control interfaces. The Commissioning Manager ensures that all systems are tested, documented, and handed over in line with Electric's quality, safety, and technical standards.

Key Responsibilities

- Lead and supervise the complete commissioning process of electrical systems, including transformers, HV/MV switchgear, circuit breakers, and auxiliary systems.
- Develop and execute detailed commissioning plans, test procedures, and handover packages in line with project specifications.
- Oversee the testing of protection relays (e.g., Micom, Sepam), interface panels, and communication protocols.
- Coordinate with SCADA, ECS, and Telecom teams to ensure integrated system commissioning and functional operation.
- Manage a team of site commissioning engineers and technicians, ensuring compliance with safety standards and deadlines.
- Review engineering deliverables and ensure commissioning requirements are embedded in the design.
- Interface with subcontractors, vendors, and internal stakeholders to organize vendor support and system startup sequences.
- Prepare commissioning progress reports and lead regular coordination meetings.
- Support final handover documentation, certificates, redline drawings, and test reports. • Conduct root cause analysis and technical troubleshooting for site issues encountered during commissioning.
- Ensure all electrical works are compliant with IEC standards, client specifications, and site HSE regulations.

Required Qualifications & Experience

Education

- Bachelor's or Master's degree in Electrical Engineering or equivalent.

Experience

- 12–15 years of experience in commissioning large-scale electrical systems.
- Strong background in power systems, HV/MV substations, oil & gas environments, and SCADA integration.
- Demonstrated leadership in managing multi-disciplinary commissioning teams.

Certifications

- PMP, COMPEX, or commissioning-specific certifications are advantageous.

Technical Skills

- In-depth knowledge of electrical commissioning practices, testing tools (e.g., Omicron, Megger), and high-voltage safety protocols.
- Proficient in protection relay configuration and testing (e.g., Micom, Sepam).
- Understanding of SCADA protocols, interlocking logics, and functional testing principles.
- Familiarity with control logic documents, single-line diagrams, and interface control drawings.
- Solid grasp of international standards: IEC, IEEE, NFPA, and relevant oil & gas commissioning procedures.

Preferred Additional Qualifications

- Previous experience with Electric systems in large-scale infrastructure projects.
- Experience working in remote African project environments or similar.
- Awareness of regulatory frameworks, including EWURA, PAU, and local electrical licensing schemes.

Job Title
ECS Engineer (Electrical Control Systems) – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Key Responsibilities

- Install and commission electrical control systems (ECS) across substations, RTUs, and remote panels.
- Implement and test control logic for feeder interlocks, transformer switching, and protection coordination.
- Interface ECS with SCADA and automation systems using industry-standard protocols (e.g., Modbus, IEC 61850).
- Validate panel wiring, terminal connections, interposing relays, and command feedback circuits.
- Conduct functional testing of ECS panels and associated I/O.
- Coordinate with protection, SCADA, and commissioning teams for end-to-end validation.
- Ensure ECS implementation aligns with SLDs, logic diagrams, and control philosophies.
- Maintain redline drawings and prepare as-built control wiring schematics and documentation.
- Troubleshoot ECS issues during commissioning and energization.
- Comply with Electric quality, safety, and documentation standards

Qualifications & Experience
Education

- Bachelor's degree in electrical, Control, or Automation Engineering.

Years of Experience

- 4–6 years of experience in control system integration and commissioning.

Industry Exposure

- Experience in utility, oil & gas, or industrial EPC projects involving substation automation and electrical control systems.
- Technical Tool/Software Proficiency

- Familiarity with PLC programming platforms
- Wiring and terminal verification tools
- Microsoft Office for documentation and reporting

Technical Skills

- Strong knowledge of substation electrical control systems and logic sequences.
- Understanding of interlocking, trip/close circuits, and operational safety mechanisms.
- Experience with remote I/O systems and control panel testing.
- Familiarity with communication protocols (e.g., Modbus, IEC 61850, hardwired signals).
- Competence in interpreting electrical drawings, logic diagrams, and wiring schedules.

Preferred Additional Qualifications

- Experience with Electric ECS platforms or RTUs.
- Previous experience on large-scale energy or oil & gas infrastructure projects.
- Fluency in English; Swahili or French is a plus.

Job Title
Fire & Gas (F&G) Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Start Date
October 2025 or as a work schedule activity

Position Summary
The Fire & Gas (F&G) Engineer is responsible for implementing, testing, and commissioning all F&G systems across substations and facilities. This includes the deployment of detection technologies (flame, heat, smoke, gas), alarm systems, suppression interfacing, and control panel configuration. The role ensures that all systems meet project safety requirements, functional design specifications, and compliance with oil & gas industry safety standards.

Key Responsibilities

- Supervise installation and perform field validation of fire and gas detection systems, including detectors, horns, strobes, and control panels.
- Configure and test F&G logic for alarm activation, shutdown signals, and interfacing with fire suppression or ESD (Emergency Shutdown) systems.
- Validate system layout and coverage based on hazardous area classification and project design drawings.
- Coordinate with instrumentation, SCADA, and ECS teams to ensure proper system integration and response logic.
- Perform loop checks, functional testing, and cause & effect validation.
- Ensure compliance with international fire & gas safety standards (e.g., NFPA, ISA, IEC 60079).
- Participate in Factory Acceptance Tests (FATs) and Site Acceptance Tests (SATs) for F&G panels and control interfaces.
- Troubleshoot system faults and alarms during commissioning and site acceptance.
- Maintain all F&G-related documentation including test reports, redlines, and O&M manuals.
- Support end-user training and system handover activities.

Qualifications & Experience

Education

- Bachelor's degree in Electrical, Electronics, or Instrumentation Engineering.

Years of Experience

- Minimum 4–6 years of hands-on experience with F&G systems in oil & gas or hazardous industrial environments.

Industry Exposure

- Field experience in energy infrastructure, terminals, or upstream/downstream facilities where F&G safety systems are mandatory.

Technical Tool/Software Proficiency

- Familiarity with F&G control systems and configuration tools
- Microsoft Office Suite
- Basic understanding of DCS/PLC/SCADA integration

Technical Skills

- Understanding of fire and gas detection principles (point and open-path gas detectors, smoke detectors, flame detectors, etc.).
- Knowledge of hazardous area classification and equipment selection.
- Ability to interpret cause & effect matrices, zoning layouts, and shutdown logic.
- Experience in loop checking, signal verification, and fault troubleshooting.
- Familiarity with the integration of F&G systems with SCADA, PLCs, and shutdown systems.

Work Conditions

- Site-based across substations, pump stations, and terminal buildings.
- Work in hazardous zones with strict adherence to HSE and electrical safety standards.
- Full PPE compliance required; work may include elevated platforms and confined spaces.
- Possible extended hours during testing and system validation phases.

Job Title
Field Services Supervisor (FSR Supervisor)

Location
Tanzania (Site-based)

Position Summary
The Field Services Supervisor will oversee and coordinate the activities of Field Services Representatives (FSRs), ensuring all installations, maintenance, and repairs are conducted safely and in alignment with Schneider Electric standards. The role also includes capacity planning, customer interaction, resource scheduling, and ensuring knowledge transfer within the service team.

Key Responsibilities
- Lead and coordinate all field activities related to electrical installations and maintenance of the installed base.
- Manage and support FSRs to ensure job execution meets project safety, quality, and performance requirements.
- Ensure all customer site activities are performed according to Schneider Electric protocols and local regulations.
- Identify growth opportunities while on-site and relay service leads to the business development team.
- Manage work order execution, tracking, and reporting to optimize FSR utilization.
- Transfer knowledge across team members, mentor junior technicians, and ensure internal technical alignment.
- Coordinate technical support during complex interventions, including fault diagnostics and escalations.
- Enforce compliance with HSE standards and ensure field teams are equipped with appropriate PPE and training.
- Support site planning and resource allocation for upcoming field service activities.
- Report field status to project and technical leadership and contribute to operational performance reviews.

Required Qualifications & Experience
Education
- Bachelor's degree in Electrical Engineering, Electromechanical Engineering, or equivalent technical discipline.

Experience
- 8+ years of field services experience, preferably in electrical systems or power infrastructure.
- Experience supervising field teams on large-scale industrial or oil & gas projects is essential.
- Proven background in installation, maintenance, or commissioning of medium to high voltage equipment.

Technical Tool/Software Proficiency

- Familiarity with Electric product suites and digital service tools (Eco Struxure, etc.)
- Proficiency in field service reporting platforms (bFS or similar)
- Microsoft Office Suite (Excel, Word, PowerPoint)

Technical Skills

- MV/HV system operation and troubleshooting
- Relay testing and protection system diagnostics (e.g., MiCOM, Easergy)
- Commissioning, preventive maintenance, and corrective interventions
- Interpretation of SLDs, control wiring diagrams, and installation drawings
- Adherence to IEC standards and safety protocols

Job Title
Mechanical Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
12 Months

Position Summary
The Mechanical Engineer is responsible for overseeing the installation, alignment, and commissioning support of mechanical infrastructure and auxiliaries related to Electric's electrical scope within the project. This includes HVAC systems, mechanical enclosures, cable containment, fire-rated sealing, and grounding systems across substations and related facilities. The Mechanical Engineer ensures all mechanical work is executed according to design specifications, safety standards, and project timelines.

Key Responsibilities

- Supervise the mechanical installation of HVAC systems, enclosures, cable trays, fire stopping, supports, and e-house building re-assembly.
- Validate installation against approved mechanical drawings, method statements, and material specifications.
- Coordinate with electrical, civil, and commissioning teams to resolve mechanical interface issues, especially with e-house re-assembly work.
- Ensure mechanical subcontractors meet Electric's standards in safety, quality, and schedule.
- Perform site inspections, support punch list closure, and verify mechanical readiness for commissioning.
- Redline mechanical drawings and support as-built documentation preparation.
- Report progress, risks, and deviations to site management with technical recommendations.
- Participate in site coordination meetings, toolbox talks, and HSE briefings.
- Assist in testing mechanical systems like e-house building assembly, HVAC startup, pressure testing, and duct leak checks.

Qualifications & Experience

Education

- Bachelor's degree in mechanical engineering or a related discipline.

Years of Experience

- Minimum 5 years of mechanical engineering experience in infrastructure, energy, or industrial projects.

Industry Exposure

- Oil & Gas, substations, data centers, or heavy industrial installations preferred.

Technical Tool/Software Proficiency

- Microsoft Office (Excel, Word, PowerPoint)
- Navisworks or equivalent coordination software (preferred)

Technical Skills

- Strong knowledge of e-house assembly, cable containment, grounding infrastructure, and mechanical safety requirements.
- Understanding of fire-rated sealing, insulation, and structural supports.
- Familiarity with mechanical standards such as ASHRAE, ISO, IEC, and project-specific codes.
- Ability to interpret mechanical schematics, BOQs, and layout drawings.
- Competence in mechanical system testing, commissioning support, and troubleshooting.

Preferred Additional Qualifications

- Experience in multinational EPC or utility projects.
- Previous exposure to systems and integration environments.
- Fluency in English is required; Swahili or French is a plus.

Job Title
Health, Safety & Environment (HSE) Officer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The HSE Officer will support the daily execution and monitoring of Health, Safety, and Environmental practices across the project site. Reporting to the HSE Leader, the officer plays a hands-on role in enforcing safety policies, identifying hazards, conducting toolbox talks, and guiding field teams and subcontractors to ensure compliance with Electric and oil & gas HSE standards. The HSE Officer acts as the first line of defense for site-level risk mitigation and promotes a strong safety culture on the ground.

Key Responsibilities

- Conduct regular site inspections to ensure safe working conditions and compliance with approved safety plans.
- Monitor daily field activities and provide immediate feedback to rectify unsafe behavior or conditions.
- Deliver toolbox talks, daily briefings, and job hazard analyses (JHAs) to FSRs and subcontractor teams.
- Assist in incident investigations, collect field-level data, and participate in root cause analysis (RCA).
- Ensure the correct usage of PPE and verify that all personnel are trained and properly equipped.
- Report all near-misses, unsafe acts, and environmental hazards to the HSE Leader for escalation.
- Track safety KPIs at the crew and zone level and maintain detailed logs and reports.
- Support emergency response planning, including drills and evacuation simulations.
- Follow up on corrective and preventive actions (CAPAs) from safety audits and inspections.
- Act as a liaison between site operations and the HSE department to promote active risk awareness.

Qualifications & Experience

Education

- Technical diploma or Bachelor's degree in Occupational Safety, Environmental Science, or Engineering.

Years of Experience

- Minimum 2–4 years of field experience in an HSE role, preferably in infrastructure, utilities, or oil & gas projects.

Industry Exposure

- Experience working on remote job sites or construction environments in the energy, oil & gas, or utilities sector.

Technical Tool/Software Proficiency

- Safety reporting platforms
- Microsoft Office (Word, Excel, PowerPoint)
- Audit and risk assessment tools

Technical Skills

- Strong understanding of jobsite hazard identification and mitigation practices.
- Familiarity with HSE regulations, PPE standards, and emergency response planning.
- Knowledge of ISO 45001 or other safety management system standards.
- Ability to conduct field-level training and safety observations.
- Environmental awareness related to spill response, waste handling, and noise/dust control.

Preferred Additional Qualifications

- HSE certifications (e.g., NEBOSH, IOSH, OSHA 30).
- Experience in multinational EPC or energy projects.
- Fluency in English required; Swahili or French is a plus.

Exposure to oil & gas field conditions, including noise, dust, height, and confined space environments.

Job Title
HVAC Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The HVAC Engineer will manage and supervise all heating, ventilation, and air conditioning (HVAC) systems related to electrical substations, control rooms, and electrical enclosures within the project. This includes verifying design compliance, overseeing field installation, conducting performance tests, and ensuring all HVAC components meet Electric's quality, energy efficiency, and environmental standards.

Key Responsibilities

- Supervise HVAC system installation for substation buildings, electrical control rooms, and equipment shelters.
- Ensure compliance with project specifications for cooling load, filtration, ventilation, redundancy, and noise levels.
- Review HVAC drawings, airflow calculations, and duct layout plans; coordinate with design and site teams.
- Monitor contractor activities to ensure adherence to installation standards and approved method statements.
- Conduct pre-commissioning and functional testing of HVAC units (DX systems, split units, precision ACs, etc.).
- Ensure HVAC systems support proper temperature control for sensitive electrical equipment.
- Support HVAC-related SCADA and BMS integration with MEP/control teams.
- Address site issues, including equipment placement conflicts, ductwork clashes, and condensate handling.
- Validate insulation, sealing, firestopping, and condensation protection in HVAC zones.
- Prepare redline drawings and support handover documentation (O&M manuals, datasheets, as-built layouts).

Qualifications & Experience

Education

- Bachelor's degree in Mechanical or HVAC Engineering.

Years of Experience

- Minimum 5 years of experience in HVAC design and field engineering, preferably in industrial or infrastructure projects.

Industry Exposure

- Prior experience in oil & gas, utility substations, data centers, or EPC projects is high preferred.

Technical Tool/Software Proficiency

- AutoCAD MEP, Revit (preferred), HVAC load calculation tools (e.g., HAP or Carrier E20-II)
- Microsoft Office Suite

Technical Skills

- HVAC system sizing, selection, and layout interpretation.
- Knowledge of ASHRAE standards, IEC requirements for temperature-controlled environments, and local codes.
- Understanding of fire dampers, filtration grades, pressurization, and redundancy strategies.
- Familiarity with building automation system (BAS)/BMS integration.
- Skills in HVAC system testing, balancing, commissioning, and troubleshooting.

Preferred Additional Qualifications

- International site experience, especially in remote environments or developing regions.
- Previous work with Electric or on energy infrastructure projects.
- Knowledge of SCADA/BMS interface protocols (e.g., Modbus, BACnet).
- Fluency in English is mandatory; Swahili or French is a plus.

Job Title
LV Control & Power Cable Termination Technician – Grade C

Location
Tanzania or Uganda (Site-based – Pump Stations, MCC Rooms, Substations)

Contract Duration
3–6 Months (Depending on Project Schedule and Site Scope)

Position Summary
The Grade C LV Cable Termination Technician supports senior electricians and Grade A/B technicians in the execution of low-voltage cable termination and wiring tasks. This role is critical for assisting with cable preparation, glanding, routing, and dressing during large-scale termination campaigns. The technician follows strict safety, quality, and documentation practices as part of Electric's on-site execution teams.

Key Responsibilities

- Assist in LV cable preparation including stripping, gland fitting, and lug crimping under supervision.
- Support termination work for power and control cables (up to 1000V AC / 24V DC) across MCCs, DBs, and panels.
- Maintain clean and safe work areas around panel and termination zones.
- Route, label, and dress cables in trays, conduits, and cabinets following segregation standards.
- Use basic hand tools (strippers, screwdrivers, crimpers) to assist in termination.
- Comply with project cable schedules, wire numbers, and gland charts.
- Report any cable damages or installation issues to senior technicians or supervisors.
- Support QA/QC inspectors during basic tests like continuity and insulation checks.
- Keep termination logs updated and assist in redlining completed routes and locations.

Qualifications & Experience
Education

- Vocational training or certificate in Electrical Installation or Industrial Wiring.
- Grade C Electrical License or Equivalent for LV works.

Years of Experience

- Minimum 2–3 years in LV industrial electrical work or similar field experience.

Industry Exposure

- Experience in industrial projects, oil & gas facilities, or building electrical installations is preferred.

Technical Skills

- Basic knowledge of cable types, insulation, sizing, and termination materials.
- Ability to follow termination drawings, tagging layouts, and cable routes.
- Familiarity with control panel layouts, MV SWG terminations, and MCC cable entries.
- Understanding of safe handling practices for energized and isolated systems.

Preferred Additional Qualifications

- Experience working with Schneider Electric equipment or similar LV systems.
- Familiarity with labeling systems, crimping techniques, and wire routing.
- Ability to assist with light testing or panel pre-commissioning support.

Job Title
LV Control & Power Cable Termination Technician – Grade A

Location
Tanzania or Uganda (Site-based – Pump Stations, MCC Rooms, Substations)

Contract Duration
3–6 Months (Based on Termination Scope and Site Sequence)

Position Summary
The LV Control & Power Cable Termination Technician (Grade A) is responsible for the accurate and high-quality termination of low voltage power and control cables, ranging from 24V DC up to 1000V AC. This includes final wiring into distribution boards, panels, field devices, and instrumentation. The technician ensures all terminations meet safety standards, cable schedules, and project-specific installation procedures under the supervision of a site electrical engineer.

Key Responsibilities

- Terminate and dress LV power cables (single-core & multi-core) in DBs, MCCs, panels, and motor junction boxes.
- Terminate control, signal, and instrumentation cables at marshalling panels, PLC I/Os, and field junction boxes.
- Strip, crimp, label, and torque cable ends using appropriate tools and project-approved lugs and ferrules.
- Ensure compliance with cable schedules, wire numbering, and terminal layouts.
- Verify cable routing, bending radius, segregation (power vs control), and gland sealing.
- Follow approved termination drawings, control wiring diagrams, and field installation standards.
- Maintain cable dressing and bundling standards to ensure clean and serviceable terminations.
- Assist QA/QC during continuity, insulation resistance, and loop testing.
- Report cable defects, installation clashes, or readiness issues to site supervisors.
- Complete daily progress sheets and termination log sheets for QA/QC and client review.

Qualifications & Experience

Education

- Vocational Certificate or Technical Diploma in Electrical Installation or a related field.
- Grade A Electrical License or Certification recognized in the country of deployment.

Years of Experience

- Minimum 5 years of experience in LV cable termination and industrial wiring (control and power).

Industry Exposure

- Background in oil & gas, industrial EPC projects, substations, or process facilities.

Technical Skills

- Proficient in terminating LV power and control cables (1.5 mm2 to 240 mm2).
- Skilled in using stripping, crimping, torque, and insulation tools for precision work.
- Understanding of cable labeling, ferrule systems, and termination quality inspection.
- Familiarity with termination to various LV equipment: circuit breakers, contactors, relays, sensors, VFDs, etc.
- Ability to read cable schedules, termination drawings, and SLDs accurately.

Preferred Additional Qualifications

- Previous experience with Electric panels, MCCs, or LV control systems.
- Basic knowledge of instrumentation loop terminations.
- Familiarity with international installation standards (e.g., IEC 60364, BS7671).

Job Title
Mechanical Engineer & Quality Control (QC) Manager – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
12 Months

Position Summary
The Mechanical Engineer & QC Manager will oversee all mechanical installation activities and ensure strict adherence to quality control standards across the electrical infrastructure project. This dual-role position ensures mechanical works (e.g., e-house re-assembly work, HVAC systems, enclosures, cable containment, earthing systems) are executed per design specifications, and that all materials, workmanship, and processes comply with oil & gas industry quality standards. The role requires strong coordination with electrical, civil, and commissioning teams, as well as subcontractor oversight and client interfacing during inspections and audits.

Key Responsibilities
Mechanical Engineering Scope

- Supervise the installation of mechanical systems such as e-house re-assembly HVAC units, cable trays, enclosures, fire-rated penetrations, and earthing infrastructure.
- Ensure alignment between mechanical and electrical interface points to avoid installation clashes or rework.
- Validate drawings, redlines, and as-built documentation related to mechanical layouts.
- Oversee subcontractor performance in mechanical scope areas and ensure compliance with scope and schedule.
- Coordinate with electrical and civil disciplines to ensure integrated system functionality at substations.

Quality Control Scope

- Develop and implement the Project Quality Plan and Inspection & Test Plans (ITPs) for electrical and mechanical installations.
- Conduct site inspections, material verification, and test witnessing in line with contractual and Electric quality requirements.
- Maintain NCR (Non-Conformance Report) and CAPA (Corrective & Preventive Action) logs and drive resolution.

- Coordinate third-party and client inspections and handover documentation.
- Ensure all work complies with relevant standards (ISO 9001, IEC, IEEE, project-specific codes).
- Review and verify all quality dossiers for commissioning and handover stages.
- Provide daily and weekly QC reports to site management and client representatives.

Qualifications & Experience

Education

- Bachelor's degree in mechanical engineering or a related engineering discipline.

Years of Experience

- Minimum 10–15 years of combined experience in mechanical installation and QA/QC management on infrastructure or oil & gas projects.

Industry Exposure

- Oil & Gas, energy, utilities, EPC, or industrial facility construction environments.

Technical Tool/Software Proficiency

- Microsoft Office Suite
- Quality reporting tools and checklists
- Familiarity with Electric systems and documentation is a plus

Technical Skills

- Strong understanding of e-house reassembly work, HVAC, grounding, and mechanical enclosure systems in substation and industrial applications.
- Knowledge of ISO 9001 and implementation of ITPs, material traceability, and QA/QC protocols.
- Familiarity with IEC, ASME, API, and relevant mechanical/electrical integration standards.
- Experience in coordinating FAT/SAT, punch list management, and turnover packages.
- Understanding of welding procedures, IP ratings, and environmental sealing practices.

Preferred Additional Qualifications

- International experience or projects in Africa/remote regions.
- Certification in QA/QC (e.g., ISO 9001 Lead Auditor, API Inspector) is a plus.
- Fluency in English required; Swahili or French is an advantage.

Job Title
Mechanical Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
12 Months

Position Summary
The Mechanical Engineer is responsible for overseeing the installation, alignment, and commissioning support of mechanical infrastructure and auxiliaries related to Schneider Electric's electrical scope within the project. This includes HVAC systems, mechanical enclosures, cable containment, fire-rated sealing, and grounding systems across substations and related facilities. The Mechanical Engineer ensures all mechanical work is executed according to design specifications, safety standards, and project timelines.

Key Responsibilities

- Supervise the mechanical installation of HVAC systems, enclosures, cable trays, fire stopping, supports, and e-house building re-assembly.
- Validate installation against approved mechanical drawings, method statements, and material specifications.
- Coordinate with electrical, civil, and commissioning teams to resolve mechanical interface issues, especially with e-house re-assembly work.
- Ensure mechanical subcontractors meet Schneider Electric's standards in safety, quality, and schedule.
- Perform site inspections, support punch list closure, and verify mechanical readiness for commissioning.
- Redline mechanical drawings and support as-built documentation preparation.
- Report progress, risks, and deviations to site management with technical recommendations.
- Participate in site coordination meetings, toolbox talks, and HSE briefings.
- Assist in testing mechanical systems like e-house building assembly, HVAC startup, pressure testing, and duct leak checks.

Qualifications & Experience

Education

- Bachelor's degree in mechanical engineering or a related discipline.

Years of Experience

- Minimum 5 years of mechanical engineering experience in infrastructure, energy, or industrial projects.

Industry Exposure

- Oil & Gas, substations, data centers, or heavy industrial installations preferred.

Technical Tool/Software Proficiency

- Microsoft Office (Excel, Word, PowerPoint)
- Navisworks or equivalent coordination software (preferred)

Technical Skills

- Strong knowledge of e-house assembly, cable containment, grounding infrastructure, and mechanical safety requirements.
- Understanding of fire-rated sealing, insulation, and structural supports.
- Familiarity with mechanical standards such as ASHRAE, ISO, IEC, and project-specific codes.
- Ability to interpret mechanical schematics, BOQs, and layout drawings.
- Competence in mechanical system testing, commissioning support, and troubleshooting.

Preferred Additional Qualifications

- Experience in multinational EPC or utility projects.
- Previous exposure to Schneider Electric systems and integration environments.
- Fluency in English is required; Swahili or French is a plus.

Job Title
Mechanical Fitter – Erection Works

Location
Tanzania or Uganda (Site-based – Pump Stations, Substations, Process Buildings)

Contract Duration
6–12 Months (Depending on Mechanical Installation Scope)

Position Summary
The Mechanical Fitter – Erection Works is responsible for assembling and installing mechanical components such as cable trays, GI/SS ducts, equipment frames, gas piping, and enclosures for MV/LV systems. This role ensures that all installations are aligned, anchored, and prepared for electrical or instrumentation integration, following project drawings and HSE procedures.

Key Responsibilities
- Install and align cable trays, trunking, and ladders for LV/MV cabling across indoor and outdoor routes.
- Erect mechanical supports and foundations for MV switchgear, LV panels, control cabinets, and UPS systems.
- Assemble and fit rigid and flexible ducts, cable conduit systems, and pipework related to field instrumentation or gas systems.
- Interpret installation drawings, GA diagrams, and isometric layouts.
- Use tools for cutting, drilling, grinding, anchoring, and threading as required on metallic structures.
- Ensure proper leveling, spacing, and alignment of trays and ducts.
- Work at height with appropriate PPE and safety procedures.
- Coordinate with electrical and instrumentation teams for interface points and raceway clearances.
- Follow site safety rules, permit systems, and participate in toolbox talks.
- Maintain cleanliness and order around work areas and assist in material handling.

Qualifications & Experience
Education
- Technical diploma or vocational certificate in Mechanical Fitting or Industrial Construction.

Years of Experience

- Minimum 4 years in mechanical erection and fitting works in industrial or oil & gas projects.

Industry Exposure

- Experience working in EPC projects, substations, or process plants involving mechanical and electrical systems.

Technical Skills

- Skilled in GI, stainless steel, and aluminum cable tray installation.
- Familiarity with ductwork fitting and electrical/mechanical enclosure supports.
- Ability to read and interpret fabrication and installation drawings.
- Competent in handling power tools (grinders, impact drills, pipe threaders, etc.).
- Basic knowledge of tray fill calculations, clearances, and support spacing.

Preferred Additional Qualifications

- Previous experience on Electric projects or with electrical contractors.
- Working knowledge of English and/or Swahili.
- Certification in working at height or confined space (advantageous).

Job Title
MV Cable Jointer – 33kV to 6.6kV Termination Technician (EACOP Project)

Location
Tanzania or Uganda (Site-based – Pump Stations, Substations, and MCC Areas)

Contract Duration
2–6 Weeks per Site (Depending on Cable Scope and Termination Volume)

Position Summary
The MV Cable Jointer is a vendor-trained or certified field technician responsible for executing high-quality terminations and joints on XLPE-insulated MV cables (from 33kV down to 6.6kV). The role ensures all termination works meet OEM guidelines, safety standards, and Schneider Electric's quality control procedures, especially for critical loads such as motors, transformers, switchgear, and RMUs.

Key Responsibilities

- Perform MV cable terminations and joints on 33kV, 22kV, 11kV, and 6.6kV XLPE cables at GIS panels, RMUs, MV switchboards, motor control panels, and transformer bushings.
- Prepare cable ends with precision stripping, insulation handling, screen removal, and surface cleaning in strict accordance with manufacturer instructions.
- Install heat-shrink, cold-shrink, or pre-molded joint kits with full compliance to OEM specifications.
- Ensure bonding and earthing integrity of screens, armor, and link boxes per grounding scheme.
- Use crimping tools, torque tools, and cable prep kits to maintain mechanical and electrical performance standards.
- Maintain clean and controlled work environments to avoid contamination during critical cable prep and assembly.
- Work closely with QA/QC inspectors during insulation resistance, sheath, and VLF tests.
- Report cable damage, improper storage, or kit deficiencies before installation begins.
- Accurately fill out jointing certificates, daily work logs, and redline cable layouts.

Qualifications & Experience

Education

- Technical diploma or vocational certification in Electrical Installation or HV/MV Jointing.

Certifications

- Certified MV cable jointer by recognized OEMs (e.g., Nexans, Prysmian, Pfisterer, 3M, TE Connectivity).
- Authorization level for 33kV joints and terminations required.

Years of Experience

- Minimum 5 years of hands-on experience in MV cable jointing and termination, with exposure to multiple voltage levels (33kV to 6.6kV).

Industry Exposure

- Utility, oil & gas, infrastructure, or industrial projects involving MV reticulation and switchgear terminations.

Technical Skills

- Proficient in all aspects of MV cable prep, insulation handling, and termination sequencing.
- Able to execute multiple jointing technologies (heat-shrink, cold-shrink, resin-based, and pre-molded).
- Skilled in reading cable schedules, termination diagrams, and kit-specific installation guides.
- Familiar with relevant standards (IEC 60502-4, IEEE 404).
- Awareness of safety protocols for MV energized systems and confined trench/gallery environments.

Preferred Additional Qualifications

- Experience working alongside Schneider Electric or within similar multinational EPC project environments.
- Multilingual communication ability (English required; Swahili is a plus).
- Familiarity with cable fault finding, sheath fault location, and VLF support is an advantage.

Job Title
Power Transformer Vendor Expat (15 MVA Class) – Electrical

Location
Tanzania (Site-based – Multiple Substation Locations)

Contract Duration
Up to 2-4 weeks per Site (Per Transformer)

Position Summary
The Power Transformer Expat serves as the on-site representative of the transformer manufacturer (OEM). They are responsible for supervising transformer receipt, mechanical assembly, oil filling, site testing, and providing technical support throughout commissioning. The expat ensures that installation complies with factory recommendations, handles all warranty-sensitive activities, and interfaces directly with Electric, the EPC contractor, and the end-user/client.

Key Responsibilities

- Supervise delivery, unloading, and mechanical erection of the 15 MVA transformer and accessories.
- Validate the condition of the transformer upon arrival and coordinate any damage reporting or claim initiation.
- Guide the assembly of auxiliary components including conservator tanks, bushings, radiators, OTI/WTI, breathers, and marshalling boxes.
- Oversee oil filtration, degassing, filling, and dielectric strength testing in coordination with local contractors.
- Witness and verify all pre-commissioning electrical tests (IR, WR, ratio, vector group, tan delta, etc.).
- Ensure proper grounding, CT orientation, neutral connections, and cable terminations as per OEM specifications.
- Review and sign off on installation checklists, alignment tolerances, and thermal settings.
- Provide technical clarification or interpretation of OEM manuals and drawings as required on site.
- Assist in resolving issues during commissioning and energization stages.
- Prepare field service report and punch list summary for submission to OEM and client.

Qualifications & Experience

Education

- Technical diploma or degree in Electrical/Power Engineering (or equivalent work experience).

Years of Experience

- Minimum 8–10 years in field support for power transformers, with at least 5 years as an OEM site representative.

Industry Exposure

- Strong background in utility-scale or oil & gas transformer deployment projects.

Technical Tool/Software Proficiency

- Familiar with diagnostic test instruments used for transformer testing.
- Microsoft Word and Excel for field service reporting.
- OEM-specific assembly and instruction manuals.

Technical Skills

- In-depth understanding of power transformer construction, transport protection, and erection techniques.
- Knowledge of oil handling, moisture removal, and insulation system drying procedures.
- Familiarity with standard tests per IEC 60076 and manufacturer-specific test protocols.
- Understanding of transformer protections (Buchholz relay, PRV, alarms, and control wiring).
- Skilled in interpreting transformer GA drawings, wiring diagrams, and terminal block schedules.

Preferred Additional Qualifications

- Previous site work in Sub-Saharan Africa or oil & gas EPC projects.
- Experience representing Tier 1 transformer OEMs.
- Multilingual communication ability (English required; French or Swahili is a plus).

Job Title
Process Automation Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Process Automation Engineer will be responsible for the implementation, configuration, and commissioning of Electric's automation and control systems within the EA- COP project. This includes integrating PLC, SCADA, HMI, and industrial communication protocols across substations, pump stations, and control rooms. The role demands hands-on technical execution, vendor coordination, and field troubleshooting to ensure seamless operation of automated systems in a high-availability oil & gas environment.

Key Responsibilities

- Configure and deploy automation solutions including PLCs (e.g., Modicon, M580), HMIs, and SCADA systems (e.g., EcoStruxure, Vijeo Citect).
- Integrate control systems with field instrumentation, MCCs, switchgear, and process equipment across substations and terminal facilities.
- Develop and validate PLC programs, control logic, and communication mappings (e.g., Modbus TCP/IP, Ethernet/IP, IEC 61850).
- Participate in Site Acceptance Tests (SATs), and commissioning of process automation systems.
- Troubleshoot control system malfunctions, interface mismatches, or signal loss during field deployment.
- Coordinate with electrical, instrumentation, and commissioning teams to ensure seamless automation readiness.
- Generate and maintain functional design specifications (FDS), I/O lists, cause & effect matrices, and wiring diagrams.
- Support SCADA integration with cybersecurity and system hardening requirements.
- Prepare redline drawings and support as-built documentation.
- Liaise with client automation teams to ensure compliance with project-specific control philosophies and standards.

Qualifications & Experience

Education

- Bachelor's degree in Electrical, Control, Automation, or Mechatronics Engineering.

Years of Experience

- 5–7 years in process automation or industrial control systems integration, preferably in the oil & gas or energy sector.

Industry Exposure

- Prior experience in EPC projects, substations, or industrial facilities involving process control and automation systems.

Technical Skills

- Strong knowledge of PLC/HMI/SCADA architecture, configuration, and troubleshooting.
- Experience with field instrumentation integration and I/O testing.
- Ability to read and interpret P&IDs, wiring schematics, and control logic diagrams.
- Understanding of industrial communication networks and redundant architectures.
- Familiarity with process safety, interlocks, alarms, and sequence control.

Preferred Additional Qualifications

- Experience with Electric PLCs, HMIs, and SCADA platforms.
- International project experience, especially in remote or African regions.
- Knowledge of cybersecurity requirements in industrial control systems.
- Fluency in English required; Swahili or French is a plus.

Job Title
Protection Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Protection Engineer is responsible for testing, configuring, and commissioning protection relays and schemes at all substations and switching points within the project. Working under Electric's scope, the engineer ensures that all protection logic, settings, and schemes are properly implemented, coordinated, and aligned with system protection philosophies, project specifications, and grid code requirements.

Key Responsibilities

- Configure and validate relay settings (e.g., MiCOM, SEPAM, or equivalent) for various protection applications.
- Conduct primary and secondary injection testing of protection systems.
- Verify tripping logic, breaker interlocks, control wiring, and protection coordination.
- Review and interpret protection SLDs, logic diagrams, and cause-and-effect matrices.
- Participate in Factory Acceptance Tests (FATs), Site Acceptance Tests (SATs), and system energization.
- Coordinate with SCADA, commissioning, and electrical teams to ensure full functionality of protection schemes.
- Ensure compliance with international standards such as IEC 60255, ANSI, and relevant utility/grid codes.
- Troubleshoot and resolve any protection scheme issues encountered during testing or operation.
- Document relay configurations, test results, settings files, and redline drawings for final handover.

Qualifications & Experience
Education

- Bachelor's degree in Electrical Engineering or a related discipline with a focus on power systems or protection.

Years of Experience

- Minimum 5 years of experience in protection system testing, commissioning, or relay configuration.

Industry Exposure

- Experience in utility substations, oil & gas, or large-scale EPC infrastructure projects.

Technical Tool/Software Proficiency

- Familiarity with relay configuration software
- Use of injection test sets and protection testing software
- Proficient in Microsoft Office for reporting and documentation

Technical Skills

- Understanding of protection schemes (overcurrent, differential, distance, transformer, busbar, etc.).
- Hands-on experience in testing and validating relay logic and settings.
- Knowledge of relevant protection standards (IEC, ANSI, utility-specific).
- Ability to interface with SCADA/IED systems and communication protocols (e.g., Modbus, IEC 61850).
- Experience in resolving site-level protection issues and supporting energization readiness.

Preferred Additional Qualifications

- International field experience on energy or infrastructure projects.
- Knowledge of Electric protection and automation systems (general familiarity).
- Fluency in English; Swahili or French is a plus.

Job Title
Quality Control (QC) Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Quality Control (QC) Engineer is responsible for ensuring that all electrical and mechanical works on the project comply with Electric's quality standards, contract specifications, and applicable international codes. This includes reviewing Inspection & Test Plans (ITPs), conducting site inspections, maintaining QA/QC documentation, and coordinating with subcontractors, construction, and commissioning teams to ensure that deliverables meet all required quality benchmarks before handover.

Key Responsibilities

- Review and implement project-specific ITPs for electrical and mechanical works.
- Conduct routine inspections and surveillance of ongoing installation activities.
- Verify conformity of installed equipment and materials against drawings and technical specifications.
- Ensure material traceability, equipment certifications, and storage conditions are documented and compliant.
- Raise, track, and close Non-Conformance Reports (NCRs) and ensure effective implementation of corrective actions.
- Participate in inspections with the client, construction team, and third parties as required.
- Witness and document FAT, SAT, insulation resistance tests, contact resistance, primary/secondary injection, etc.
- Support preparation of handover documentation including test reports, quality dossiers, redlines, and as-built packages.
- Report on quality KPIs and contribute to weekly site quality meetings.
- Coordinate with site supervisors and engineers to ensure workmanship aligns with Electric standards.

Qualifications & Experience

Education

- Bachelor's degree in Electrical, Mechanical, or Industrial Engineering.

Years of Experience

- 4–6 years in QA/QC roles on infrastructure or energy projects, preferably in oil & gas or EPC environments.

Industry Exposure

- Experience with QA/QC on HV/MV substations, electrical installations, or utility- scale projects is preferred.

Technical Tool/Software Proficiency

- Microsoft Office (Excel, Word, PowerPoint)
- Quality management platforms (e.g., Procore, Aconex, or custom QC systems)
- Document control and inspection tracking tools

Technical Skills

- Strong understanding of QA/QC procedures for electrical equipment and systems.
- Familiarity with IEC, ISO 9001, and other quality standards.
- Knowledge of FAT/SAT protocols, cable testing, busbar inspections, and switchgear QA procedures.
- Proficiency in interpreting drawings, test reports, method statements, and ITPs.
- Experience with punch list management, material submittals, and quality records documentation.

Preferred Additional Qualifications

- Certification in QA/QC or ISO 9001 (e.g., Lead Auditor, ASQ).
- Experience on international oil & gas or energy infrastructure projects.
- Fluency in English required; French or Swahili is an asset.

Job Title
Site Planner and Material Coordinator.

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Site Planner and Material Coordinator is responsible for:

- Scheduling field service interventions with full visibility on technical, material, and personnel availability.
- Coordinating material delivery, tracking, and storage across the site.
- Ensuring alignment between planning, procurement, field operations, and customer commitments.
- Supporting documentation control and contributing to resource and material optimization.

Key Responsibilities

- Schedule all work orders (using bFS or other tools), ensuring accurate data (customer info, scope of work, priority, timing).
- Prioritize interventions based on SLA, criticality (VIP/non-VIP), and technician/subcontractor availability.
- Assign all possible work orders for at least 3 months ahead to improve field team utilization and reduce downtime.
- Track and manage material flow and logistics, ensuring availability of tools, spare parts, and equipment before execution.
- Prepare daily/weekly plans in collaboration with Execution Manager and Logistics to minimize bottlenecks.
- Monitor execution and reschedule/cancel interventions as needed.
- Follow up with subcontractors and teams for on-time material dispatch and site deliveries.
- Participate in daily/weekly meetings to align with the Field Services Execution Team and Project Management.
- Maintain documentation and test procedure files, and support ITP and material submittal process.

Education and Skills

- Associate or Bachelor's degree in Engineering, Supply Chain, or equivalent
- 1–2 years minimum experience in field service planning or materials coordination
- Proficiency in MS Office and scheduling tools (Primavera, MS Project, etc.)
- Knowledge of Electric Field Services business preferred
- Strong analytical, planning, and documentation skills
- Experience in Customer Care or Field Service logistics is a plus

Job Title
Site Technical Office Leader (Site Activities)

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Site Technical Office Leader will be responsible for all technical oversight, coordination, and leadership of site-based activities related to the installation, commissioning, and integration of electrical and telecommunications systems. The role includes the development of execution strategies, including method statements, costing, risk assessments, and planning.
The leader acts as the key technical authority on site, ensuring alignment with Schneider Electric standards, project documentation, and field realities.

Key Responsibilities

- Provide technical leadership and supervision for all on-site electrical and telecommunications installation activities.
- Lead the planning, setup, and control of installation and commissioning activities, including method statements, HSE risk assessments, and cost evaluations.
- Ensure that systems are installed, integrated, and tested according to Schneider Electric standards and client specifications.
- Coordinate technical execution with project management, engineering, and third-party subcontractors.
- Supervise and guide field engineers, technicians, and expat/local teams across multiple technical disciplines.
- Review and validate construction drawings, redlines, and field engineering changes.
- Provide remote and on-site technical support for Schneider Electric's field resources (SR teams) before and during deployment.
- Ensure the alignment of field execution with engineering deliverables, interface documents, and commissioning strategies.
- Participate in the technical evaluation of subcontractors' work and support issue resolution on-site.
- Drive and monitor quality control in execution, including checklists, test procedures, and ITPs.
- Support daily/weekly reporting and documentation management for installation progress and technical issues.
- Liaise with HSE teams to ensure safe execution of technical activities and compliance with all project safety standards.
- Facilitate knowledge transfer and training to local teams for sustainable handover.

Qualifications & Experience

Education

- Bachelor's or Master's degree in Electrical Engineering, Telecommunications Engineering, or a closely related field.
- Project management certifications (e.g., PMP, PRINCE2) are advantageous.

Experience

- 4–6 years of technical leadership experience in electrical and telecom installations on large-scale infrastructure projects.
- Proven experience in oil & gas, pipeline, or energy sector projects.
- Prior work with international teams and in remote/field environments, ideally in Africa or similar contexts.
- Strong record of leading installation and commissioning teams and interfacing with multidisciplinary stakeholders.

Technical Skills

- Expertise in medium and low voltage electrical systems, power distribution, and control architecture.
- Solid knowledge of telecommunications systems, including fiber, SCADA networks, and control room integration.
- Familiarity with IEC, IEEE, and telecom protocols used in oil & gas applications.
- Competence in technical planning tools, project tracking, and engineering documentation platforms.
- Understanding of automation, control, and digital instrumentation systems is an added advantage.

Preferred Additional Qualifications

- Experience with Schneider Electric systems, platforms, and documentation standards.
- Knowledge of African regulatory and environmental contexts.
- Multilingual ability: Fluency in English is required; French or Swahili is a plus.
- Familiarity with EITS system interfaces and their role in pipeline operations.

Job Title
Team Leader – Site Coordination

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Team Leader – Site Coordination is responsible for managing the daily scheduling and coordination of all on-site activities to ensure that the execution aligns with project timelines, resource plans, and operational goals. This includes interfacing with subcontractors, design teams, document controllers, procurement, and logistics, while maintaining compliance with local regulations and Electric's safety protocols. The role demands a proactive site manager with strong organizational and communication skills in large infrastructure environments.

Key Responsibilities

- Develop and manage daily and weekly site activity schedules in coordination with the site activity manager.
- Coordinate and allocate site resources (manpower, tools, and equipment) to meet project demands.
- Track technical documentation (e.g., test procedures, ITPs, punch lists, warranty letters) and ensure availability to field teams.
- Monitor progress of on-site works, updating schedules and identifying potential delays or conflicts.
- Liaise with subcontractors and vendors to ensure materials and equipment arrive as per the project plan.
- Conduct daily site briefings to communicate priorities, deliverables, and safety procedures.
- Track and maintain documentation of on-site activities, workforce utilization, and deviation logs.
- Define and update the site team structure and resource mobilization schedule in coordination with the Project Manager.
- Ensure all Electric and subcontracted resources are compliant with local regulations (work permits, ERB, EWURA, PAU, A1 certificates, etc.).

- Interface with design and documentation teams to ensure readiness of technical documents for field use.
- Attend internal and customer meetings regarding site operations, HSE matters, co-activity planning, and commissioning strategies.
- Support the Project Manager with updates to the event tracker and risk registers for on-site delays or disruptions.
- Report operational risks, highlight opportunities for improvement, and implement contingency plans when needed.

Qualifications & Experience

Education

- Bachelor's degree in Project Management, Construction Management, Engineering, or a related field.
- Certifications in scheduling or coordination (e.g., Primavera P6, PMP) are a plus.

Experience

- 8–10 years of experience managing on-site activities for large-scale infrastructure projects, particularly in the oil & gas or energy sector.
- Proven expertise in scheduling, site team management, and interface coordination.
- Experience using project management and scheduling tools such as Primavera, Microsoft Project, or equivalents.

Technical Skills

- Strong understanding of site-based coordination for electrical and telecom works.
- Proficient in document tracking, resource scheduling, and punch list management.
- Knowledge of logistics and material tracking in remote site conditions.
- Familiar with project tracking tools, interface registers, and event logs.
- Understanding of installation workflows, commissioning preparation, and interface dependencies.
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Preferred Additional Qualifications

- Previous international experience, particularly in developing countries or remote field sites.
- Familiarity with Electric systems and documentation practices.
- Working knowledge of HSE regulations in industrial oil & gas settings.
- Language skills in French or Swahili are considered a strong asset.

Job Title
Telecom Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The Telecom Engineer is responsible for the installation, configuration, and commissioning of all telecommunications systems required to support substation operations and critical communications within the project. This includes radio systems, fiber optic networks, IP telephony, LAN/WAN infrastructure, and integration with SCADA and control systems. The role ensures that all telecom systems meet performance, redundancy, and cybersecurity standards as per Electric's and the project's technical requirements.

Key Responsibilities

- Supervise the installation and termination of telecom equipment including routers, switches, fiber optic cables, patch panels, and antenna systems.
- Configure and test telecom infrastructure supporting voice, data, and SCADA communications.
- Implement and validate industrial network architecture (LAN/WAN) for remote sub-stations and field assets.
- Conduct link testing, signal quality checks, and verification of telecom alarms and redundancy paths.
- Coordinate with control and SCADA teams to ensure seamless data transmission to the control center.
- Ensure compliance with telecom performance requirements: latency, jitter, failover, and bandwidth.
- Integrate radio communication systems (UHF/VHF) and IP telephony in accordance with project standards.
- Support cybersecurity hardening for network devices as per Electric's IT/OT policies.
- Maintain up-to-date documentation including rack layouts, fiber schedules, IP plans, and cable routing.
- Liaise with vendors, subcontractors, and utility ICT representatives during installation and commissioning phases.

Qualifications & Experience

Education

- Bachelor's degree in Telecommunications, Electrical, or Electronics Engineering.

Years of Experience

- Minimum 4–6 years of experience in telecom engineering, ideally in infrastructure or energy projects.

Industry Exposure

- Experience in oil & gas, substations, or industrial automation projects involving tele- com and SCADA integration.

Technical Tool/Software Proficiency

- Network configuration tools (e.g., Cisco, HP, or equivalent)
- Fiber test tools (OTDR, power meters)
- IP addressing and VLAN management platforms
- Microsoft Office Suite

Technical Skills

- Strong understanding of telecom systems: fiber optics, IP telephony, UHF/VHF radios, and industrial Ethernet.
- Experience with fiber termination, splicing, and testing procedures.
- Familiarity with SCADA and control network communication protocols (Modbus TCP/IP, IEC 61850, DNP3).
- Knowledge of structured cabling standards and best practices for equipment room layouts.
- Basic understanding of cybersecurity measures in industrial network design.

Preferred Additional Qualifications

- Previous experience with Electric telecom or SCADA integration.
- Certification in fiber optic installation or network design (e.g., CCNA, FOA).
- Fluency in English required; French or Swahili is a plus.

Job Title
UPS Engineer – Electrical

Location
Tanzania or Uganda (Site-based)

Contract Duration
18 Months

Position Summary
The UPS Engineer will be responsible for the installation, configuration, testing, and commissioning of Uninterruptible Power Supply (UPS) systems within substations and control facilities along the route. The role ensures all UPS systems are implemented according to Electric's quality and reliability standards to guarantee continuous power for critical loads, protection relays, control systems, and communication infrastructure.

Key Responsibilities

- Supervise installation and perform configuration of UPS systems and associated battery banks.
- Conduct functional testing of UPS systems including backup switching, autonomy time validation, and alarm simulation.
- Ensure UPS sizing, grounding, and ventilation comply with project specifications and manufacturer guidelines.
- Coordinate UPS integration with AC/DC distribution boards and critical control panels.
- Verify all incoming and outgoing wiring, including bypass switches, fuses, and monitoring signals.
- Support commissioning of DC power systems, including battery chargers and load-sharing arrangements.
- Monitor battery health and perform load bank testing as required.
- Document UPS test reports, redlines, and handover packages in accordance with Electric QA/QC standards.
- Interface with ECS, SCADA, and protection engineers to ensure backup power continuity for critical equipment.
- Provide troubleshooting and resolution support during energization, handover, and early operation phases.

Qualifications & Experience

Education

- Bachelor's degree in Electrical Engineering or a related discipline.

Years of Experience

- Minimum 4–6 years of hands-on experience working with UPS systems in industrial or utility-scale environments.

Industry Exposure

- Experience with UPS implementation in oil & gas, energy, or critical infrastructure sectors.

Technical Tool/Software Proficiency

- Familiarity with UPS system monitoring tools
- Microsoft Office Suite for reporting and documentation
- Test instruments for battery and inverter checks

Technical Skills

- Strong understanding of single-phase and three-phase UPS systems (online/double-conversion types).
- Knowledge of battery types (VRLA, Ni-Cd) and battery maintenance procedures.
- Familiarity with load segregation strategies, redundancy (N+1), and transfer switch logic.
- Ability to interpret UPS wiring schematics, technical datasheets, and layout drawings.
- Understanding of system integration with control and automation systems.

Preferred Additional Qualifications

- Experience with Electric UPS systems or equivalent OEM platforms.
- Familiarity with DC system coordination and battery monitoring software.
- Fluency in English; Swahili or French is a plus.

Send your CV to ***careers.tz@powergroupte.com*** with the subject of the vacancy applied for.

Deadline for submission is ***13 September 2025.***