IPEC is now ABB

Field Service Technician – Electrical & PD Monitoring

Company	IPEC (ABB Entity)	**Employment**	Full-time
Nationality	Saudi Arabian national	**Department**	Field Services / Technical Services
Location	Riyadh, KSA; customer sites across the Kingdom	**Reports to**	Field Service Supervisor / Project Manager
Number of Positions	**02**		

Company and Job Purpose

IPEC KSA is part of ABB Electrification division that supports power utilities and industrial customers through partial discharge (PD) monitoring, project execution, service-level agreement (SLA) maintenance and condition-based monitoring (CBM) testing. The Field Service Technician supports engineers and supervisors in the safe execution of electrical installation, inspection, testing, commissioning, maintenance and troubleshooting activities at customer sites throughout Saudi Arabia. The role is hands-on and field-based, with training provided in IPEC systems and specialist test equipment.

Key Responsibilities

Field Installation, Testing and Maintenance

- Assist with installation, inspection, wiring, termination, panel installation, equipment mounting and field connections for electrical monitoring systems and associated equipment, including sensors, cables, control panels and accessories.
- Support installation, testing and commissioning of IPEC PD monitoring systems at substations, utility facilities and industrial sites, following approved instructions and working under the direction of engineers or supervisors.
- Support online/offline partial discharge (PD) testing, condition-based monitoring (CBM), pre-commissioning and annual maintenance testing after receiving the required training and authorisation.
- Use approved electrical test instruments as instructed, which may include insulation-resistance testers, contact-resistance meters, transformer test equipment, VLF/cable testers, relay test kits and PD testing equipment.
- Assist with basic fault-finding; identify and report equipment faults, abnormal readings, defects or deviations. Record field measurements, observations and test results accurately and escalate issues beyond own competence.

Site Preparation, Reporting and Equipment Care

- Prepare tools, test instruments, materials, spare parts and equipment for field work; support site logistics and material handling, and report missing, damaged or defective items.
- Complete daily site reports, checklists, test records and other required documentation accurately and submit them within the required timeframe.
- Maintain tools and testing equipment in good condition and follow instructions for correct use, storage and handling.
- Coordinate with team members, engineers, supervisors, project managers and customer representatives; follow site instructions and provide clear progress updates.

Health, Safety, Quality and Customer Conduct

- Comply with IPEC KSA HSE procedures, customer safety rules, electrical safety requirements and applicable site procedures. Attend inductions and toolbox talks and follow risk assessments, method statements and permit-to-work requirements.
- Use required PPE and comply with electrical isolation and lockout/tagout requirements where applicable. Do not undertake work without the required training, authorisation or supervision.
- Promptly report hazards, incidents, near misses, unsafe conditions, equipment damage and quality issues. Maintain professional conduct and protect customer property and confidential information.

Qualifications and Essential Requirements

- Must be a Saudi Arabian national and available for full-time employment.
- Diploma or technical qualification in Electrical Engineering, Electrical Technology or a related discipline; relevant technical training may be considered. Fresh Saudi graduates with strong practical aptitude and willingness to learn may apply.
- Typically 1–3 years of experience in electrical installation, maintenance, projects, testing or commissioning is preferred; relevant practical skills may be considered in place of experience.
- Basic understanding of transformers, switchgear, cables, protection relays and LV/MV/HV equipment; able to understand electrical drawings, wiring diagrams and safety procedures.
- Hands-on wiring, termination and panel-work skills are desirable. Familiarity with electrical test instruments or substations, utility sites and industrial facilities is an advantage. PD/condition-monitoring knowledge is beneficial but not essential.
- Good Arabic communication skills; basic English is an advantage for technical documents and project coordination. Must be reliable, safety-conscious, detail-oriented, cooperative and willing to learn.
- Willing and able to travel extensively throughout Saudi Arabia, including remote sites, and stay overnight when required. A valid Saudi driving licence is preferred.

Working Conditions, Reporting and Performance

- Full-time role based in Riyadh, with work primarily at customer and project sites across Saudi Arabia. Frequent domestic travel, overnight stays, outdoor work and extended site assignments may be required. Working hours and site schedules follow company policy, project needs and applicable Saudi labour requirements.
- Reports to the Field Service Supervisor / Project Manager and carry out assigned activities under appropriate direction. Escalates technical issues, unsafe conditions and work outside training or authority.
- Performance expectations include safe and compliant work; accurate installation/testing support and records; timely completion of assigned tasks; proper care of tools and equipment; teamwork and professional customer conduct; and active participation in training and continuous development.

Training and Development

Role-relevant guidance and training will be provided, as appropriate, in IPEC systems, electrical testing, installation, commissioning, PD monitoring and condition-based monitoring. Progression depends on demonstrated competence, performance, training and business requirements.

Recruitment note: Salary, allowances and benefits are not specified in this job description and remain subject to IPEC KSA internal approval and the final employment offer. This description outlines the principal duties and may be updated in line with business and customer requirements.