



Field Service Engineer (FSE) Controls/Instrumentation

Department: Operations
Reporting to: FSE Manager

Site: Remote
Key Reports: None

Role Summary

You will be an organised and customer focused Field Service Engineer working extensively on site, either alone or as part of a team (sometimes in a supervisory role) carrying out controls/instrumentation service and maintenance work for our customers.

Whilst adhering to all Health and Safety requirements, your role will be to provide controls/instrumentation engineering expertise in the servicing and maintenance of gas turbine packages, working in the UK or international sites on both onshore and offshore installations.

You are expected to be flexible to work on site for significant periods of time, as part of the service & maintenance of gas turbine packages and the installation of upgrades.

Key Responsibilities and Tasks

As a **customer facing site representative**.

All job holders need to demonstrate, understand, and implement the company values within their roles.

People

- Independently carry out Field Service tasks to ensure completion safely, on time and to the highest standards.
- Undertake personal continual development and cross training of Field Service skills to maximise your expertise.

Process

- Complete controls, electrical, instrumentation site-based inspections, outages and upgrades which focus on the servicing and repair of gas turbines and power turbine assemblies in the 10 to 80 MW range along with Ruston Gas Turbine units TA and TB units.



- Servicing and maintenance of gas turbines packages and their associated control systems. Typically, Control Logix5000, Allen-Bradley PLC-5 controls, including Bently-Nevada 3500 vibration equipment. (Experience with the Rustronic MkII controls system would be an advantage.)
- Carryout operational trouble shooting and fault finding on gas turbine packages and their associated control systems, experience with control of any associated rotating equipment, would be an advantage.
- Service and maintenance of control networks and data transfer systems between control devices and DCS systems.
- Interrogation of HMI systems during trouble shooting exercises including data gathering and event capture techniques.
- Carryout instrumentation and equipment calibration and loop checking as part of servicing or commissioning turbine associated systems for pressure, level, flow, temperature and vibration equipment.
- Carryout minor software and system parameter changes/adjustments on the controls systems to ensure efficient gas turbine operation.
- Inspect, service and maintain auxiliary systems supporting gas turbines, including fuel and lubrication oil systems typically including pumps, valves, motors, and similar components. Electrical experience and knowledge would be an advantage.
- Produce and maintain site programmes and other site-related documentation, including site reports.

Delivery

- Write accurate and clear customer reports, outlining the tasks completed and any recommendations made.
- Support the FSE Manager to ensure Field Service tasks are carried out safely and within tolerance.
- Timely escalation of all critical performance issues and/or customer concerns to the FSE Manager/Operations team.
- Ensure all customer and business requirements are met whilst adhering to company processes, Health and Safety and Environmental regulations.

Role Requirements

Education (qualifications & training)



- Technical knowledge and experience of gas turbine operation, particularly fuel systems, gas generators and power turbine assemblies.
- Specific knowledge of gas turbine units manufactured by GEC Gas Turbines along with knowledge of Rolls Royce Avon and Olympus or RB211 gas generators this would be beneficial but not essential.
- A minimum of an ONC or equivalent in Electrical/Electronic Engineering - please note relevant experience will be considered in lieu of a formal qualification.
- Experience of operating independently on site and in an office environment Offshore Safety Survival Certificate desirable (Greenray will provide necessary training course if not available).
- Health and Safety training and experience.
- Full and valid driving license.

Skills (capabilities & qualities) & Experience

- First hand commercial industry experience combined with a technical Knowledge of Gas Turbine products and aftermarket services.
- Pragmatic and organised you will be able to prioritise multiple tasks within highly dynamic and safety critical environments.
- Capability of trouble shooting and fault-finding operational issues on a gas turbine package and their control systems.
- Able to build and maintain good customer relations.
- Self-motivated with the ability to work calmly and confidently under pressure.
- Appreciation of Greenray's market, drivers and activities.
- Project management awareness.
- Working knowledge of Microsoft Office or similar.

Version Date

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