

Senior Controls Engineer

Job Description – October 2025



Department: Engineering Controls **Site:** Lincoln
Reporting to: Engineering Manager **Key Reports:** None

Role Summary

The Senior Controls Engineer will play a key role in the delivery and execution of Greenray’s control system retrofit and upgrade projects.

This position provides specialist engineering expertise across tendering, design, programming, manufacture, testing, and commissioning of gas turbine control systems, with responsibility for ensuring that all solutions meet customer expectations and company requirements in relation to Quality, Cost, and On-Time Delivery.

The role contributes to the development of Greenray’s controls capability, supporting business growth and continuous improvement, while upholding the company values.

Key Responsibilities and Tasks

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

Teamwork & Communication:

- Review customer tender invitations and provide input to Greenray’s tender submissions and technical clarifications.
- Work collaboratively across Engineering, Projects, Field Service, and Aftersales teams to deliver integrated control system solutions.
- Provide technical leadership and support for detailed control system design, PLC programming, and hardware manufacture.
- Build and maintain strong relationships with customers, suppliers, and internal stakeholders to ensure successful project delivery.
- Contribute to Greenray’s business development activities through technical support to the Sales team and participation in customer visits.
- Represent the Controls Engineering function in meetings, reviews, and supplier evaluations, demonstrating professionalism and clear communication.

Safety & Sustainability:

- Ensure that all control system activities comply with relevant engineering, safety, and environmental standards.
- Support safe systems of work during testing, installation, and commissioning, promoting Greenray’s QHSE values.
- Participate in risk assessments and implement mitigations for technical and operational hazards.
- Conduct or support supplier and site visits to ensure safe and compliant working practices.



Accountability:

- Take ownership of allocated control system projects, ensuring delivery to time, cost, and quality requirements.
- Compile functional, software, hardware, networking, and interface design specifications.
- Define FAT (Factory Acceptance Test) and SAT (Site Acceptance Test) procedures with internal and external suppliers, providing technical assistance and witnessing as required.
- Support installation and commissioning activities, including occasional site visits to resolve technical issues.
- Provide office-based customer support for post-sales issues and controls-related troubleshooting.
- Ensure that project documentation, drawings, and software are delivered accurately and in accordance with company standards.
- Provide technical input for pricing and control system product development.

Quality & Reliability:

- Ensure all control system designs meet engineering and quality standards.
- Review supplier quality documentation and FAT/SAT results to confirm compliance.
- Support Engineering and Quality teams in resolving non-conformances and implementing corrective and preventive actions.
- Contribute to continuous improvement by developing Greenray's controls' philosophy and technical design standards.
- Maintain an up-to-date knowledge base of PLC technologies and modern control system architectures relevant to gas turbines.
- Promote a right-first-time approach to design, testing, and commissioning.

Excellence in Delivery:

- Deliver engineered control system solutions that achieve high performance and reliability.
- Support the full lifecycle of control system projects, from concept to commissioning and through-life support.
- Ensure documentation and project deliverables are accurate, complete, and submitted on schedule.
- Conduct or support customer training sessions for control system operation and maintenance.
- Drive a culture of continuous improvement and technical excellence within the Controls Engineering discipline.

Required Skills

Education (qualifications & training)

- Degree-level education in Electrical, Electronic, Control, or Instrumentation Engineering (or equivalent experience).
- Minimum 5 years' experience with PLC-based control systems, preferably across multiple platforms.



- Proven experience working on hardware and software for the control of gas turbine control and fuel systems.
- Commissioning and site installation experience essential.
- Offshore Safety Survival Certificate desirable

Skills (capabilities & qualities)

- Proven engineering expertise with a track record of delivering projects successfully, making sound technical decisions, and applying commercial awareness.
- Effective communicator, skilled in engaging stakeholders and collaborating across teams.
- Organised, detail-oriented, and quality-focused, with a proactive approach to problem-solving and completing tasks.
- Flexible and adaptable, capable of supporting both office-based and site activities.
- Demonstrates integrity, professionalism, and alignment with Greenray's values.

