

Job Title:	Lead Electrical, Controls and Instrumentation Engineer		
Department/Gro up:	Engineering	Location:	Aberdeen
Job Purpose			
<p>You will lead the Electrical Team in providing concept, FEED and detailed design services for control systems for onshore and offshore oil and gas. The Electrical Team is involved in the design, calculation, specification and requisition of electrical equipment and comprehensive analysis of electrical designs to ensure inherently safe systems.</p> <p>Effective leadership of the Electrical Team will be achieved through working closely with the members, having an in-depth knowledge of the projects that are being worked on, understanding individuals' strengths and weaknesses and providing an environment of encouragement and support.</p>			
Reporting Relations			
Position Reports to – Engineering Manager			
Other Key Relationships			
Technical Manager, Mechanical Lead, Software Lead and Operations Manager			
Key Responsibilities			
<p>These will include, but not be limited to:</p> <ul style="list-style-type: none"> ◆ The specification, design, & documentation of systems & components. ◆ The specification, design & documentation of electrical schematics and wiring diagrams. ◆ The specification, selection & procurement of materials & services. ◆ Possess an excellent understanding of engineering principles & technologies applicable to the Oil & Gas Industry. ◆ Be familiar with the relevant APIs, & other industry standards (DNV, IECEx and ATEX), to a level necessary to guide the company in their application. ◆ Be proficient in the use of CAD packages to produce design models & manufacturing drawings. ◆ To provide material costing information for project quotes & able to assess the cost & time implications of design decisions. ◆ To produce Bills of Material. ◆ Electrical interface design including cable schedules, termination details and cable layout diagrams. ◆ Instrumentation on selection loop diagrams, PLC / SCADA I/O list, instrumentation on index, logic diagrams and panel design. ◆ To perform conceptual and / or detailed design of instruments / control system application. ◆ To be able to perform cable and voltage drop calculation and prepare data sheets 			

- ◆ At all times to be conscious of material & labour costs associated with any projects undertaken & seek to actively minimise these costs.
- ◆ The production, execution & analysis of Test specifications.
- ◆ To author Operations Manuals, Maintenance procedures & other Technical documents.
- ◆ The application of Industry standards to all engineering & project activities undertaken.
- ◆ To liaise with Clients, suppliers & peers during normal day-to-day activities.
- ◆ To carry out offshore surveys, installation, commissioning & fault finding services.
- ◆ To oversee Junior Engineers & Technicians during design, manufacturing & testing activities.
- ◆ To actively follow the companies QA/Engineering procedures, policies & working instructions.
- ◆ To work with the company to highlight deficiencies in EFC products & failures to meet recognised standards.
- ◆ Have good abilities with desktop computers, specifically Microsoft Office packages.
- ◆ Technical report writing.
- ◆ Report directly to the Engineering Manager on aspects of the team's projects, raising any issues which could affect delivery or budget.
- ◆ Review Engineering documentation.
- ◆ Quality Assurance & Company procedures: To actively promote & help develop the companies QA/Engineering procedures, policies & working instructions.
- ◆ Engineering: To be the lead engineering authority within the team. To take an active role in the completion of engineering tasks. To approve material purchases on Projects undertaken within the Team up to an agreed value, typically £2,500.

People Management

- ◆ New Team Members: Support new team members in working through induction programme; ensure that they have the necessary knowledge to effectively participate in the team.
- ◆ Motivation and Mentoring: Provide a technical lead in the support, encouragement and mentoring of team members.
- ◆ Providing ongoing support and development of team members through regular feedback, performance reviews and support through the Competence Framework.
- ◆ Team Working: Maintain a healthy group dynamic and promoting a team culture.
- ◆ Team Communication: To take the lead on adherence to company standards & procedures. To chair team design review & verification meetings
- ◆ Assist in the technical development of Project Engineers & Technicians through a system of support & guidance.
- ◆ Problem Solving: Directly support team members to resolve engineering problems and assist in escalating technical issues to the Engineering/Technical Manager. Offer solutions to any problems that may arise.

General –

- ◆ Complies with all EFC procedures applicable to the job function.
- ◆ Employees may be assigned other duties in addition to, or in lieu of those described above, according to the needs of the company.

QHSE Responsibilities
<ul style="list-style-type: none"> ◆ Ensures all tasks and duties are performed in accordance with EFC QHSE policies, standards and objectives. ◆ Compliance with QHSE training requirements as assigned or otherwise directed. ◆ Contribution to, and champions site annual QHSE objectives and Safety Team duties as required.
Minimum Expectations
<ul style="list-style-type: none"> ◆ Bachelor's Degree or equivalent in appropriate engineering subject ◆ Chartered Engineer and member of appropriate engineering institution or working towards ◆ Mature engineer with sound technical background and wide ranging expertise ◆ Experienced in the use of appropriate codes of practice, standards and relevant sections of statutory documentation ◆ Highly experienced in the use of design and assessment methods used within discipline ◆ Experienced in use of analytical methods used within discipline including theoretical background for analysis programs ◆ Experienced in planning, progress monitoring, forecasting and reporting ◆ Competent in commercial, contractual and administrative aspects of engineering ◆ Experienced in controlling all aspects of discipline design including some multi-discipline aspects ◆ Highly experienced in quality control/safety/environmental methods and quality assurance/safety/environmental procedures for engineering ◆ Highly experienced in producing man-hour and material estimates for all discipline activities ◆ Experienced/competent in leading, supervising and the organisation of a single discipline team within a project ◆ Able to estimate man-hours and materials for delegated aspects of work ◆ Able to work with other disciplines to meet delivery dates. ◆ Ability to build and maintain relationships with colleagues at all levels ◆ Able to think, communicate and present information effectively ◆ Able to support new and less experienced members of the team.
Desirable Expectations
<ul style="list-style-type: none"> ◆ Previous work experience as a Project Engineer ◆ Experience of developing and producing Quality procedures and policies ◆ Experience in training/coaching people and developing training systems. ◆ Ability to motivate a team and promote a team culture
Minimum Educational Qualifications
<ul style="list-style-type: none"> ◆ Educated to Degree level and/or work experience in the relevant technical discipline. ◆ Chartered Engineer or working towards