

Job Title:	Senior Electrical Design Engineer	Function:	Group Engineering
Department:	Engineering	Location:	Dyce, Aberdeen, UK
Reports To:	Design Engineering Lead	Responsible For:	N/A

Job Purpose:

The Senior Electrical Design Engineer will design and develop electrical systems for new and existing equipment, producing electrical design outputs in line with project requirements and ensuring compliance with industry standards.

Key Responsibilities:

- Design and specification of electrical systems for new and existing TWMA equipment.
- Develop designs from concept through to finished product in line with design request and equipment technical specification.
- Performing Engineering verification analysis to assess suitability of design.
- Ensure compliance with relevant industry standards.
- Creating quality designs, drawings, calculations and supporting documents in line with design request requirements.
- Undertake role of lead electrical design engineer on TWMA projects.
- Provide electrical engineering support across the business.
- Provide support / assistance in the process of assembly, testing and deployment of company equipment.
- Determine the availability of assets and assemblies based on their electrical: certification, condition of repair, allocation, and operation.
- Check and approval of technical documents associated with design development.
- Support engineering cost and delivery estimates.
- Ensure project progress is sufficiently communicated to Engineering Design Lead and key project stakeholders.

Skills and Experience:

	Essential	Preferred
Qualifications/Training	<ul style="list-style-type: none"> • Degree qualified in relevant field (Electrical Engineering) 	<ul style="list-style-type: none"> • BOSIET and MIST • Chartered Engineer or working towards
Experience	<ul style="list-style-type: none"> • Engineering experience in electrical / mechanical equipment design and manufacture • Design development of new products / technology • Providing engineering solutions to design problems • 2D CAD Systems 	<ul style="list-style-type: none"> • Experience working in Oil and Gas Industry • Experience with drilling, solids control or drilling fluids areas • CE Marking of electrical equipment and machines • AutoCAD • 3D CAD systems
Knowledge/Skills/Competencies	<ul style="list-style-type: none"> • Knowledge and expertise in Electrical Design Engineering • Excellent written and verbal communication skills 	<ul style="list-style-type: none"> • Autodesk Inventor • Hands on experience with assembly and testing of new technology

	<ul style="list-style-type: none"> • Working knowledge of Machinery Directive • Working knowledge of ATEX Directive • Proficient in hand calculations for verification of design suitability • Prioritising conflicting workloads • Working to tight deadlines • Self-motivated and ability to work under pressure • Good team player with sound interpersonal skills • Driving Licence 	<ul style="list-style-type: none"> • Experience with NORSOK standards
<p>Complying with Procedures:</p> <ul style="list-style-type: none"> • Ensure compliance with the Company and Client operating policies and procedures. • Ensure compliance with the Company Health and Safety policy. • Be aware of company conditions of employment as detailed in the Employee Handbook. • Liaise with the HR Department to assure compliance with current employment law legislation and contract of employment. 		

Note: The duties described herein are intended as a guide only, and it should be understood that operational demands may at times necessitate that an employee performs duties not included in this description.

TWMA is committed to protecting the personal data of private individuals during our recruitment process. By submitting your application for the vacancy described above, you will be giving us personal information about yourself. Please refer to our Candidate Recruitment Policy, which explains to you how we protect and treat your personal information and the rights you have. You can read the policy either by clicking on the ‘Candidate Recruitment – Privacy Policy’ section at the bottom of the home page of our website or by requesting a copy of the policy from us.

At TWMA, we believe that diversity is not only a moral imperative but also a strategic advantage. We are committed to creating an inclusive workplace where everyone feels valued, respected, and empowered to contribute their unique perspectives. We actively seek to build a team that reflects the diverse communities we serve, and we embrace differences in race, ethnicity, gender, age, sexual orientation, disability, religion, and background. Our dedication to diversity and inclusion extends beyond recruitment and hiring; it permeates our culture, policies, and practices, driving innovation, collaboration, and success.