

Job Title:	Senior Process Engineer
Location:	Glasgow (requirement to visit other locations, including customer sites)
Responsible To:	Head of Engineering – Hydrogen and Clean Energy Division
Direct Reports:	
Review Date & Rev No	16.04.2024

Purpose of Job:	<p>Developing and executing Hydrogen and Clean Energy projects with a focus on design, build, installation and commissioning of mechanical, instrumentation and electrical packages.</p> <p>Hydrogen engineering capability is an integral strategic initiative within the Hydrasun business and this role will focus primarily on the management of Hydrogen projects from project development through concept selection, engineering, tendering, construction and commissioning. In parallel to Hydrogen this role will also oversee the engineering management of Hydraulic and Instrumentation engineered projects already carried out within the Hydrasun portfolio.</p> <p><u>Key Duties:</u></p> <ul style="list-style-type: none"> • Development of strategic engineering concepts and solutions in relation to the Hydrogen and Clean Energy market. • Implementation of product development programs, technical and economic evaluations, cost and schedule improvements, work process improvements and bid/project team support through engineered solutions to meet customer/market requirements. • Work with the entire engineering team to deliver concept and design projects that provide safe, economic, engineered solutions to our customers, in compliance with all relevant codes and/or standards. • Development of bespoke engineered solutions to meet customer requirements in line with or exceeding their needs. • Develop and implement company engineering operational goals for product and service development within defined business objectives. • Provide engineering support, advice and assistance to all divisions within the company. • Communicate and coordinate with all company stakeholders (customer, inhouse manufacture, sales etc) to ensure their needs and expectations are met. • Ensure the management and implementation of the required engineering standards across the business. <p>Must have a strong combination of commercial acumen and product engineering innovation to drive the correct balance between product development, cost reduction and performance.</p>
Key Areas of Responsibility:	<p><u>Technical Duties</u></p> <ul style="list-style-type: none"> • Develop and implement engineering process and procedures in relation to Hydrogen and Clean Energy projects and the Hydrasun product range. • Complete functional engineering requirements to support product development from product strategy through conceptual design to commercialisation. • To actively pursue the development of new product ranges from conceptual design to manufacture for the Hydrogen and Clean Energy markets.

	<ul style="list-style-type: none"> To carry out technical & design engineering activities in support of the business. To produce economic engineered solutions, considering all aspects from materials to manufacturability, that maximises profitably for Hydrasun whilst satisfying all customer and internal requirements. To liaise with customers to establish, through negotiation where appropriate, and confirm precise Engineering requirements. To liaise with other departments to ensure clarity of understanding of all customer/project requirements. To ensure full compliance, during all engineering and related activities, with regard to sound engineering practice and adherence to relevant internal and external procedures, guidelines and standards. To ensure development and improvement of existing products and services, where possible. To liaise with suppliers on technical and engineering matters. To ensure knowledge of industry developments is kept up to date. To ensure activities within the engineering team meet agreed target completion dates. <p><u>Administration</u></p> <ul style="list-style-type: none"> To be responsible for knowing and understanding the Engineering Department's targets and objectives. Assist with auditing of examiners, including site visits, and statutory report auditing. To carry out all the relevant administrative duties including helping with management reports and audits. To keep any filing/admin/databases up to date. To Adopt a "no surprises rule" and to ensure delivery against agreed objectives and targets. <p><u>Continuous Improvement/Personal Development</u></p> <ul style="list-style-type: none"> Development of Hydrogen and Clean Energy market engineering and product requirements. To participate in development plans for the Engineering team to future proof the engineering team capabilities. To be responsible for understanding, agreeing and achieving personal objectives set by the Regional Director. To adhere to the procedures as laid down by the HSE Management System and Quality Management System. To adhere to the procedures as laid down by the Human Resource Management System and to take an active part in the Performance Management Process and the Competence and Training Programme. To attend formal Team Briefings when requested in your own time. To be a team member and actively promote communication and information sharing.
Interfaces (Internal/External):	Management, Aviemore Factory Personnel, Extrusion and Workshop Personnel, Sales Department, Stores, HR, QA, Safety, IT Suppliers, Specialists, Customers, Industry bodies, Auditors
Qualifications:	<div><i>Essential</i></div> <div><i>Desirable</i></div>
	<ul style="list-style-type: none"> Degree qualified BSc or BEng in Engineering (or equivalent). <ul style="list-style-type: none"> Chartered Engineer or working towards or Chartered Status. Experience in Project management would be advantageous.

JOB DESCRIPTION

Experience Required:	Essential	Desirable
	<ul style="list-style-type: none"> Experienced Process & Systems Engineer (at a senior/lead/principal level). Experienced in an engineering environment with design experience in a relevant area. Experience in the following areas:- H2 technology, product engineering, capital project engineering, project development engineering and CI capabilities. 	<ul style="list-style-type: none"> Business development experience Design of control panels. Design of small-bore tubing systems. Product and process development Fabrication/welding design/codes and standards. Active participation in engineering reviews and/or investigations with customers. Knowledge of UK & EU regulatory frameworks, type approval, written schemes of examination and/or certification, considering Machinery Directive, ADR, TPED, PED, PSSR, PERI ATEX, DSEAR & EPS and COMAH. Experience of Risk based design and functional safety methodologies including: FMEA, HAZID, HAZOP, HAZAN, LOPA.
Skills/Training Competences/Abilities:	<ul style="list-style-type: none"> Microsoft Office. Excellent HSE & QA awareness. Excellent written and verbal communication skills. Good organisational and administration skills. Ability to maintain a professional and focused approach at all times, in particular, in customer facing situations. Keen and effective attention to detail. 	<ul style="list-style-type: none"> Mathcad and FEA programmes experience.

Please note that you may be requested to undertake other duties from time to time and it is possible that your duties may change over time. You will be expected to co-operate with all reasonable requests. If the changes are deemed to be longer term then this job description will be revised.

Signature of Job Holder: _____ Date: _____

Name in Capitals ()

Signature of Manager: _____ Date: _____

Name in Capitals ()