

Job Title:	IAR Small Bore Tubing & Hydraulics Projects Engineer
Location:	Aberdeen (requirement to visit other locations, including Customer sites both on and offshore.)
Responsible To:	Integrity, Assurance & Reliability (IAR) Division Manager
Direct Reports:	Small Bore Tubing & Hydraulics Project Engineer
Review Date & Rev No	November 2023 – Rev 00

Purpose of Job:	<p>The role of the IAR Small Bore Tubing & Hydraulics Project Engineer will be to provide an accurate, timely, efficient, and effective SBT/Hydraulics inspection, repair, installation and commissioning service to each customer. Preparation of Bills of Materials (BoMs) Cost Time & Resource Planning (CTRs), Calculations, Work Instructions & Workpack development.</p> <p>Engineering of Hydraulic and Fluid Transfer Systems, receipt and timely processing of Customer enquiries, Pricing, preparation and issue of quotations, receipt and processing of Customer orders, interfaces with the International Business Development Managers and other Hydrasun departments/operations with assistance in Preparing Tenders, Documentation for Major Projects.</p>
Key Areas of Responsibility:	<p>Operationally</p> <p>Delivery of the service will include (but will not be limited to):</p> <ul style="list-style-type: none"> • Project Management of both Small Bore Tubing (SBT) and Hydraulics workscopes within the IAR Division. • Provide assistance and supervision with continuous development of SBT in house systems, reporting and awareness training. • Hands on execution/support of projects on site and in workshop as required in accordance with the work pack and customer instructions. • Ensuring Hydrasun owned equipment is serviced and maintained in accordance with OEM requirements. • Housekeeping of Hydraulics workshop and work area. • To visually inspect customer's SBT and Hydraulic Systems onsite, in line with the Company's inspection procedures. • To inspect and record condition, type, application, and components, in line with procedures. • To assess the suitability of the SBT and Hydraulic Systems for the application and to recommend changes as appropriate. • To complete all documentation on a timely and accurate basis. • To input site service results into the HIMS database. • To submit a report with details of unsatisfactory SBT and Hydraulic Systems to the customer's representative and recommend possible solutions, where applicable. • To write and submit a final 'End of Survey' reports. • To ensure the accurate completion and submission of timesheets. • To recommend possible solutions to problems identified with the customer SBT and Hydraulic System applications or operating procedures.

	<ul style="list-style-type: none"> • To develop a 'Bill of Materials' for replacing SBT and Hydraulic systems, assembling, fitting, flush and test of SBT systems onshore and offshore • To ensure that work activities are executed in accordance with the Company's HSE policy and where applicable the customer's site rules. • To carry out Toolbox Talks and other safety measures to ensure the smooth running of the day to day work detail and daily activity planning. • Review customer supplied circuit diagrams, P&ID's and GA's to determine proposed scope of work for Hydrasun. • To define equipment and tools specification requirements to execute the work. • To complete product take offs if required and prepare list of materials and consumables. • Produce method statements and risk assessments as per job requirements. • Lead the installation and commissioning of Hydraulic equipment both onshore and offshore. • Ensure that in house manufacturing of hydraulic equipment are completed as per customer specifications, Hydrasun Quality standards and schedule. • Ensure that in house overhauling and testing of hydraulic equipment such as pumps, motors, valves, cylinders, PSV's, and accumulators are completed as per Hydrasun procedures and necessary reports, and engineering data are generated. <p>HSEQ (Health, Safety, Environmental and Quality)</p> <ul style="list-style-type: none"> • To ensure that work is completed in line with the Company's Quality procedures and Customer specifications. • To ensure that work activities are executed in accordance with the Company's HSE Management System and, when onsite or offshore, in accordance with the customer's site rules. • To participate and assist with internal and external safety and quality audits. • To adopt and promote good and safe working practices at all times. • To ensure that work areas are maintained clean and hazard free and in accordance with Company and customer rules at all times. • To ensure that risks are assessed, and risk assessments completed, where applicable. <p>Continuous Improvement/Personal Development</p> <ul style="list-style-type: none"> • To develop and maintain effective working relationships with the operations team and key interfaces within other departments. • Responsible for supporting and achieving the Organisation and department's targets and objectives. • Responsible for understanding, agreeing, and achieving personal objectives set by line manager. • To put forward any suggestions for improvements. • To attend formal Information Briefings, when requested • To be a team member and actively promote communication and information sharing.
<p>Interfaces (Internal/External):</p>	<p>Internal: Hydrasun IAR Division Team, Key Account Managers, Engineering Department, IT Department, and HR Department.</p> <p>External: Customers and Suppliers, External auditors, and other relevant personnel</p>

Qualifications:	<i>Essential</i>	<i>Desirable</i>
	Vocational qualification in Mechanical discipline (e.g. HND/HNC or City & Guilds)	Diploma in Mechanical/hydraulics engineering.
Experience Required:	<i>Essential</i>	<i>Desirable</i>
	<ul style="list-style-type: none"> • Experience in the Small Bore Tubing & Hydraulic service industry. • Ability to read and understand hydraulic circuit diagrams, P&ID's and GA's • Experience in pressure testing, hydraulic filtration, hot oil flushing, and condition monitoring. • Experience in Hydraulic bolt torquing and joint integrity. • Offshore experience • Good knowledge about hydraulic and instrument fittings and threads. • Experience in Hydraulic accumulator pre-charging, maintenance, and servicing. • Must be computer proficient with knowledge in MS office. 	<ul style="list-style-type: none"> • Knowledge of drilling and subsea equipment. • Knowledge of ship board and marine hydraulic systems. • Knowledge of electro hydraulic control of pumps. • Shaft alignment and measurement. • Commissioning of hydraulic equipment. • PSV/PRV calibration and certification. • Chemical cleaning and flushing of piping systems. • Parker product knowledge. • AUTOCAD or similar drafting or design software knowledge.
Skills/Training Competences:	<i>Essential</i>	<i>Desirable</i>
Inhouse training can be provided for specific SBT/Hydraulics essential skills as required	<ul style="list-style-type: none"> • Mechanical & Hydraulics engineering background and qualifications (degree or similar) • ECITB TSBT01 & TSBT02 • BFPA Cetop level 2 or Industrial hydraulics certificate course (or equivalent) • Computer Skills to include: MS Word, Excel, Teams, Bluebeam 	<ul style="list-style-type: none"> • Hydraulic torquing course • Accumulator maintenance and certification course • Oil filtration and condition monitoring. • N2 awareness course. • Hydraulic System Contamination Management qualification • BFPA Stage 1 and 2 Hydraulics, Pump and pump control and Troubleshooting.

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 ()