

Job Title:	Mechanical Instrumentation Technician
Location:	Teesside Branch (primary location), UK, Offshore and Overseas
Responsible To:	Technical Services Supervisor.
Direct Reports:	Hydraulic pipe fitters, instrument fitters, hose technicians
Review Date & Rev No	January 2023

Purpose of Job:	<p>The roll of Mechanical Instrumentation Technician will be to supplement the field service team as a focal point/lead for the manufacturing installation/integration of Hydraulic, Pneumatic and Hydrogen Gas Control Systems.</p> <p>They will act as a technical lead on projects and also as a part of a larger team for construction and commissioning scopes.</p> <p>This is a unique opportunity to support all established and developing areas of engineering through Oil and Gas, Petrochemical, Marine and Renewables. The position is focused in the Tees Valley however there is a requirement to travel to support the development of these industries and the company's expectations for the growth of the Teesside Team.</p>
Key Areas of Responsibility:	<ul style="list-style-type: none"> • 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 Schematics, 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 trouble shooting and maintenance of Hydraulic, Pneumatic and Gas Systems • Lead the installation and commissioning of Hydraulic, Pneumatic and Gas Systems • Ensure that in-house manufacturing of hydraulic equipment is completed as per customer specifications, Hydrasun quality standards and schedule. • Ensure that in-house overhauling and testing of Hydraulic, Pneumatic and Gas Management equipment such as pumps, compressors, actuators, control valves and accumulators are completed as per Hydrasun procedures and necessary reports and engineering data are generated.
Interfaces (Internal/External):	<p>Internal interfaces – Technical Services Supervisor, Project Coordinator, Services Team.</p> <p>External interfaces: - Customers.</p>

Qualifications:	<i>Essential</i>	<i>Desirable</i>
	Suitable Vocational training in relevant field of engineering (e.g – C&G, ONC...)	Diploma in Mechanical/hydraulics or Instrumentation engineering.
Experience Required:	<i>Essential</i>	<i>Desirable</i>
	<ul style="list-style-type: none"> • Hands on experience in Hydraulic, Pneumatic or Instrumentation service industry. • Competent in Small Bore Tubing installation. • Ability to read and understand Hydraulic and Pneumatic schematics, P&ID's and GA's • Experience in overhauling and testing of pumps, motors and control valves. • Hands on experience in trouble shooting, servicing and maintenance of hydraulic and pneumatic systems. • Hands on experience in hydraulic bolt torquing and joint integrity. • Good knowledge of hydraulic and instrument fittings and threads. • Hydraulic accumulator pre-charging, maintenance and servicing. • Must be computer proficient with knowledge in MS Office. • Comfortable working away from home and being reactive with regards to customer requirements. • Experience of working in a team or independently. 	<ul style="list-style-type: none"> • Experience in working in Oil and Gas, Marine and Petrochemical industries • Knowledge and experience of working with high pressure gas management systems • Knowledge of ship board and marine hydraulic systems. • Knowledge of electro hydraulic control of pumps. • Commissioning of hydraulic pneumatic equipment. • Chemical cleaning and flushing of piping systems. • Parker product knowledge.
Skills/Training Competences:	<i>Essential</i>	<i>Desirable</i>
	<ul style="list-style-type: none"> • Language Skills- must be fluent in English. • BFPA Cetop level 2 or Industrial hydraulics/pneumatics certificate course. • Working at height course 	<ul style="list-style-type: none"> • Advanced hydraulics training certification. • Training in pumps and electro hydraulic pump controls. • Shaft alignment and measurement certification • PSSR training • Mobile hydraulics training. • Pump servicing • Wind Turbine hydraulics training • Proportional and servo control systems



JOB DESCRIPTION

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 ()