

## Job Description

**Position:** Sr Quality Engineer

**Business Unit:**

**Segment:** Fluid Handling

**Location:** Near Houston

**Reports To:** Global Quality Director

**Department:** Quality

### Basic Function:

To assist Global Quality Director in implementing and maintaining effective quality assurance and quality control systems to meet British, European, American standards and other Quality System requirements across all Global Energy sites and key suppliers.

This position is responsible for developing & maintaining internal quality systems to ensure safety & conformance to required quality standards.

### Responsibilities & Duties:

- Assist Global Quality Director to direct and implement a Global Quality Assurance program.
- Compile/review technical & performance specifications including the introduction of control plans, quality standards & inspection procedures.
- Develop, review, and modify PFMEA and DFMEA In conjunction with Engineering/Design/Manufacturing
- Review and assist in the development of Quality Plans and process specifications to ensure all work is carried out to customer compliance requirements.
- Review certificates of compliance or test reports to determine validity.
- Analyze quality related data & write evaluation reports
- Review drawings to evaluate quality requirements including correct application of GD&T, proper use of engineering, process and material specifications, and identification of key characteristics for inspection plans and methods
- Participate in internal audits and suppliers evaluations
- Assist in the creation/revision of quality system documents
- Apply the quality toolset including FMEA, IQ, OQ, PQ, GR&R/measurement system analysis, control plans, process verification/validation plans, validation protocol development, Cpk, Cp, SPC, hard gaging applications, computer-based inspection methods, operator work instructions, DOE, process data analysis, and DMAIC
- Assist manufacturing sites with the interpretation of quality requirements including verification/validation planning and execution, first production run requirements, problem resolution and implementation of effective corrective action
- Develop control plans that identify inspection characteristics, gaging techniques, and sampling requirements
- Work with Design of Experiments (DOE) and Statistical Process Control (SPC)

- Work closely with third party inspection authorities to ensure all relevant inspections are carried out on time and in line with contract requirements.
- Demonstrate continuous effort to improve operations, streamline work processes and work effectively with Operations Department to provide a quality service to customers.
- To participate in Kaizen events by sharing his/her knowledge and experience with those involved

**Qualifications & Required Skills:**

- A relevant BS degree (e.g. mechanical, metallurgical, or manufacturing engineering), plus a minimum of 5 years relevant practical Q.A./inspection experience in an engineering environment providing Quality Engineering type support leading to improvements by applying lean/six sigma tools
- Knowledge and experience of working to ISO: 9001 – 2000
- Excellent interpersonal and communication skills
- Excellent organization skills
- Excellent analytical, problem solving/decision making skills; ability to make timely, effective, fact based decisions.
- Ability to interact effectively and partner with people at all levels; extremely skilled at developing and working with and through teams; a collaborative hands-on team player results driven and motivated
- Experience gained in working with third party inspection authorities
- Experience in production/manufacturing
- Ability to read and understand engineering drawings
- Must be computer literate (MS Office, MRP / ERP)
- Six Sigma experience including black belt certification preferred
- Knowledge and experience of working to PED preferred
- Qualified Internal Systems Auditor preferred

Contact

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