



EBARA INTERNATIONAL CORPORATION
CRYODYNAMICS DIVISION

350 Salomon Circle, Sparks, NV 89434 USA
Phone: (775) 356-2796, Fax: (775) 356-2884

JOB DESCRIPTION

ASSOCIATE PRESSURE VESSEL ENGINEER

Reports to: Project Engineering Manager

Classification: Exempt

Date: August 19, 2015

Department: Engineering

Division: Cryodynamics

Approved: _____

JOB SUMMARY:

Responsible for performing pressure vessel calculations per applicable ASME Pressure Vessel Code and customer specifications under the supervision of Pressure Vessel Engineer. Able to review pressure vessel weldment drawings, bill of materials, and weldmaps. Assisting the supply chain and vendors with the manufacture and design of pressure vessels, tanks and other customer products, and prepare required documentation as necessary. Managing projects and interfacing with other departments and project engineers to insure on time delivery of product.

GENERAL RESPONSIBILITIES:

1. Maintain a positive work atmosphere by acting and communicating in a manner so that you get along with customers, clients, co-workers and management.
2. Performs engineering and ASME calculations to size vessels, tanks, piping, valves and auxiliary systems to ensure products and systems conform to engineering design and customer specifications.
3. Development of bills of material and shop notes meeting the customer's requirements and the specific requirements of the order in compliance with accepted practices and applicable industry codes.
4. Initiation, review and release of general arrangement, machining, fabrication and assembly drawings for other departments and the customer.
5. Works with the shop personnel and other departments to meet customer's assembly and production requirements.
6. Coordinates all aspects of technical content changes during product design/fabrication and supports sales department, production and management for revised cost estimate and schedule changes.
7. Adherence to quality standards including but not limited to ISO 9001 and AS9100 standards.
8. Interface with support personnel from areas such as Purchasing, Production Control and Quality, to insure welding operations support activities are carried out to meet customer expectations and requirements.
9. Provides regular updates to management of engineering status, drawings and BOMs.
10. Attend technical training as required by the job.
11. Follow all company policies and safety procedures.
12. Other duties assigned from time to time.

QUALIFICATIONS:

1. Bachelor's degree from a four-year college or university in Mechanical Engineering.
2. Experience with Solidworks 3D Modeling and Solidworks Simulation (FEA) to run structural and modal analysis is required.
3. Knowledge/skills with ASME - Section VIII Division 1 and 2 of Pressure Vessel Design and Section 4 Welding is preferable.
4. Knowledge/skills in welding codes – ASME, A.W.S., API and AWWA is preferable.
5. Knowledge and experience in Welding and Fabrication is helpful.
6. Knowledge of piping and pipe schedules, flanges and fittings is helpful.
7. Fluency in Microsoft software programs.
8. Excellent written and verbal skills.
9. Good communication skills, proven discipline to carry out assigned tasks with little supervision and proven “Team Player.”

Application	Skill Level		
	Basic	Intermediate	Advanced
Windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft Word	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft Excel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft Outlook	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Microsoft PowerPoint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adobe Acrobat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IFS	<input type="checkbox"/>	<input checked="" type="checkbox"/> Preferable	
Engineering Applications			
Advanced Pressure Vessel	<input checked="" type="checkbox"/> Preferable	<input type="checkbox"/>	<input type="checkbox"/>
Codeware Compress	<input checked="" type="checkbox"/> Preferable	<input type="checkbox"/>	<input type="checkbox"/>
Simulation Software, FE Pipe	<input checked="" type="checkbox"/> Preferable	<input type="checkbox"/>	<input type="checkbox"/>
Solidworks 3D modeling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Preferable
Solidworks Simulation (FEA)	<input checked="" type="checkbox"/> Required		