

PSI JOB POSTING

Position: Marine Systems and Piping Engineer
Reports to: Outfitting Production Design Manager

SUMMARY:

A Marine Systems and Piping Engineer is responsible for coordinating the detail and production design process for their assigned systems and providing support to the shipyard Design, Procurement, Planning and Production Departments. Assigned systems may include various piping systems, fire suppressions systems, equipment and hardware knowledge, or other shipboard equipment.

ESSENTIAL DUTIES:

- Ensure all PSI safety regulations and procedures are performed
- Perform basic and detail design for assigned systems or areas of the vessel including calculations, diagrams, drawings, design change notices, and equipment selection
- Participate in basic and detail design activities within the Design Department, including review of design documents from other shipyard engineers, vendors, and external design partners
- Coordinate/assist fabrication, assembly, installation, and/or testing of assigned systems, equipment, and assigned areas of the vessel
- Prepare technical specifications, collect vendor information and maintain maker's list for assigned systems
- Generate, review, and access Bills of Material and provide technical support for material tracking, logistics, handling, and timing of installation.
- Propose technical improvements; develop and implement quality standards applicable to assigned systems and areas of the vessel
- Interface with Project Management, Owner and Class to resolve technical issues
- Provide field engineering support as required to support production activities during Class and owner inspections or responding to production questions arising during vessel construction
- Maintain working knowledge and monitor development of classification and regulatory rules and requirements pertaining to assigned systems and ship zone responsibilities
- Develop work packages for use by Planning and Production departments
- Other duties may be assigned

QUALIFICATIONS:

- Minimum 3-years' experience in shipbuilding, system design, or manufacturing
- Experience with piping system or machinery design and construction
- Proficiency with MS Office and CAD systems, such as AutoCAD
- Experience with 3D modeling software such as Tribon, AVEVA Marine, Shipconstructor
- Experience working in a team
- Excellent communication skills both verbal and written

- Knowledge/experience concerning basic and detail ship design
- Knowledge/experience concerning modern shipbuilding practices
- Experience with Classification Society Rules for New Construction, IMO Regulations, and US Coast Guard Requirements
- Experience with ERP systems, such as SAP and scheduling software, such as MS Project
- International experience or familiarity with European and/or Asian Shipbuilding Standards

EDUCATION:

Bachelor's Degree or higher in Engineering is preferred.

Candidates with a technical diploma and 5+ years' experience in ship design and construction may also be considered.

PHYSICAL DEMANDS:

Although the position is an office-based job; the successful candidate must still possess the physical abilities necessary to perform any aspect of the job mentioned above with reasonable accommodations.

WORK ENVIRONMENT:

Although most of this work is indoors in a climate controlled office environment, some incidents may require this individual to be exposed to those found in most heavy industrial settings and may include: noise, heat, cold, vibration, dust, fume and smoke, and may involve exposure to inclement weather conditions. ****Philly Shipyard is a tobacco FREE facility.**

Note: Not all applicants will be interviewed

All applications must be turned in to the Human Resources Department for consideration

The Philly Shipyard is committed to equal opportunity for all applicants. The recruitment, selection, employment and training of employees during employment, shall be without discrimination because of race, color, religion, national origin, gender or age-except that the applicant must meet the minimum age requirement. The Philly Shipyard does not, and will not, discriminate because of the disability of such individual.

