

Position: Marine Systems Engineer

Position Summary: Metal Shark is a fast growing company and is expanding its Engineering Department. As such, we are increasing our Systems Engineering capabilities. The candidate will report to Metal Shark's Chief Systems & Electrical Engineer. He or she will lead the systems design effort on individual projects, ranging from small boats to vessels in excess of 150'. As you are going through a system design, you will be responsible for developing, maintaining and documenting standard design configurations and procedures, as a part of Metal Shark's continuous process improvement effort.

Minimum Requirements:

- Bachelor's Degree in Naval Architecture, Marine, Mechanical or Electrical Engineering
- Experience: A minimum of 3 years in the marine industry, specifically in the design of ship and/or boat systems
 - Familiarity with Classification Society rules (ABS, DNV, USCG, ABYC, etc.)
 - Onboard systems including, but not limited to: propulsion machinery, piping, HVAC, hydraulics, cooling, etc.
- Working knowledge of the following software
 - AutoCAD
 - Microsoft Office (Word, Excel, Project, Outlook)
 - Solidworks preferred
 - Solidworks Electrical preferred
- Responsibilities
 - Specify and source equipment to be installed onboard vessels
 - Develop piping and plumbing schematics, routing plans, and length estimates
 - Develop machinery arrangements and installation plans for all equipment installed onboard. Machinery includes but is not limited to electrical, hydraulics, HVAC, navigation equipment, etc.
 - Engineer & design hydraulic systems
 - Engineer and design piping systems for fire-fighting applications
 - Assist in develop the technical portions of change orders: pricing materials and working with project engineers to estimate labor required
 - Support Production Engineering as needed throughout the production of projects
 - Support the development of standard processes and procedures, especially in regards to systems and electrical engineering
 - Review all engineering deliverables for quality, approving them for production
 - Support the preparation of class submittals to USCG, ABS, and other regulatory bodies
 - Specify, evaluate and recommend sub-contract labor for major ship system installation