

Position: Electrical Engineer

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

Minimum Requirements:

- Bachelor's Degree in Electrical Engineering
- Experience: A minimum of 3 years in the marine industry, specifically in the design of ship and/or boat systems
 - Marine AC 1 phase and 3 phase electrical systems and components
 - Marine DC electrical systems and components
 - Familiarity with Classification Society rules (ABS, DNV, USCG, ABYC, etc.)
- Working knowledge of the following software
 - AutoCAD
 - Microsoft Office (Word, Excel, Project, Outlook)
 - Solidworks preferred
 - Solidworks Electrical preferred
- Responsibilities
 - Perform electrical load and voltage drop analyses on single and three phase AC systems, as well as DC systems
 - Develop electrical schematics, cable routing plans, and cable length estimates
 - Specify and source electrical equipment to be installed onboard vessels
 - Develop electrical equipment arrangements
 - Assist in and 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 in regards to electrical engineering
 - Review electrical 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 electrical equipment installation