



KLEIN MARINE SYSTEMS, INC.

Position: Engineering Technician

Job Description:

The successful candidate will have a demonstrated background with electro-mechanical systems. Some familiarity with software and computers is a plus. The candidate will apply design and prototyping skills in a cross-functional team environment. Responsibilities will span the design cycle from initial concept testing to the generation of production documentation. Tasking may include the fabrication of prototypes, debugging of hardware issues, detailed electrical design documentation, and support of the transition of products to the manufacturing team. There are plenty of opportunities to get your hands dirty on experiments, prototypes and day-long sea trials.

Klein Marine Systems, a subsidiary of Mitcham Industries, is a world leading manufacturer of imaging sonar, hydrographic equipment and systems. Klein is proud of its design and manufacturing agility which it achieves through a combination of in-house and subcontracted resources. You will have the opportunity to contribute not only to the evolution of the products, but to the company and its culture.

Qualifications:

- Associates degree in Electrical Engineering or Electronics Engineering Technology
- 5 years of experience supporting the engineering development of products
- Highly organized and capable of supporting multiple projects simultaneously
- Ability to write clear standard design documentation

Skills / Tasks:

- Collaboration: ability to work with a diverse group of technical colleagues
- Self-motivation: someone that continues to learn and improve the way things are done
- Develop test setups/fixtures and execute bench-level and in-water data collection
- Support the build of both mechanical and electrical prototypes.
- Work from schematics, assembly drawings, diagrams, written and verbal instructions
- Keep the lab organized and maintain test equipment and test resources
- Provide written test reports that clearly show how prototypes perform to spec.
- Have a strong understanding of the operation and specification parameters of fundamental electrical component such as resistors, capacitors, inductors, transistors, op-amps and logic
- Have basic soldering skills and be able to work with surface mount components
- Good communicator and able to follow engineering's detailed instructions – and to offer ideas for improvement / optimization

Software / Tools:

- Microsoft Office applications
- Operation of basic test equipment – DVM, oscilloscope, function generators

Plusses:

- Use of product configuration management tools
- Experience in the use of CAD software such as schematic capture, PCB layout, circuit simulation, or LabView
- Experience with software or firmware programming languages