

**Position:** Mechanical Engineer II

**Reports to:** Director of Engineering

**Job Description:**

The successful candidate will apply hydrodynamics, heat transfer, machine design and packaging skills, along with creativity, to design shallow and deep-water sonar imaging products in a cross-functional team environment. A typical design cycle starts with brainstorming/ideation, then moves through analysis, rapid prototyping, detailed design, final prototyping and test. Work with the in-house manufacturing team during the development process to jumpstart new product introduction. 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:**

- Bachelor of Science in Mechanical Engineering
- Product Design Experience, 3 years minimum
- Demonstrated understanding of Hydrodynamics, Heat Transfer, Modern Manufacturing Methods and Processes
- 3D Modeling and rendering using SolidWorks
- Ability to draw and write clear technical industry standard design documentation

**Plusses:**

- Analytical skills that include FEA, tolerance studies, and custom MATLAB applications
- Design of molded and/or casted parts
- Design for Manufacturability
- Experience in the marine environment, including sensors
- Product configuration management