

Mechanical Engineer

Greensea IQ is a dual-use robotics company transitioning mature solutions developed for and by the defense industry to the commercial markets for high impact.

Greensea IQ is uniquely positioned to capitalize on the growing Blue Economy that is being driven by the demands for scalable and persistent ocean protection, net-zero emissions in shipping, alternative energy sources from the ocean, and understanding the impact to the seas as our climate changes.

As a world leader in autonomous underwater robot technologies, we deliver high impact solutions to meet the growing demand for efficiency, safety, and scalability across the entire Blue Economy.

Job Description

Greensea IQ's robotics-as-a-service is expanding rapidly. This role will support iterative improvement of existing robotic platforms as well as the development of next-generation hardware. This position works closely with the Chief Engineer-Robotics to define priorities and high-level requirements. The applicant will be expected to execute concept development, prototype design and fabrication, testing, and progressive release-to-production. The goal of this position is the delivery of a technical solution, in volume, to customers both internal and external to Greensea IQ.

Responsibilities

- Execution of designs and product development to meet high level requirements
- Concept development
- Prototype fabrication and testing
 - Underwater pressure housings
 - Compact electro-mechanical assemblies
 - Structural analysis
 - COTS component selection
- Progressive transition to low-volume/high-mix production
- Production support and sustaining engineering
- Close collaboration with electrical, software, and robotics engineers
- All other responsibilities as reasonably assigned.

Requirements

- Bachelor's degree in Mechanical Engineering or similar discipline
- 3-5 years' experience in mechanical design and electro-mechanical systems
- Proficient in Solidworks / PDM
- Familiar with Linux/Ubuntu
- Excellent hands-on skills (assembly, machining, 3D printing)
- Systems-integration experience (Electrical/Mechanical/Firmware/Software)
- Preferred experience with:
 - AUV/ROV/UAV systems
 - Marine materials - 6061-T6/PEEK/Acetal/Stainless
 - Electronics packaging
 - Underwater cables and connectors
 - Marine product testing (pressure, corrosion, temperature)
 - Pressure vessel design
- Self-driven, able to work small interdisciplinary technical teams
- Goal -driven with the ability to multi-task and move and learn quickly

To apply, please send your resume, salary requirements, and cover letter to careers@greensealq.com as PDF documents. The candidate must be eligible to work in the United States. This position may require occasional travel. This position is based in Plymouth, MA. Annual salary range: \$110,000-130,000.

Greensea IQ (www.greensealq.com) is an equal opportunity employer. We offer a casual and fun work environment and provide our employees training and continuing education opportunities. Greensea IQ offers competitive salaries and a complete benefits package, including full health insurance, 401(k), and paid vacation, holiday, and sick leave.