



**Position:** Project Engineer

**Location:** Vista, California

**Job Description:**

Seatrec has an immediate opening for an experienced project engineer to lead the design, development, and production of novel ocean energy harvesting technologies. The position involves collaboration with both our Engineering and Leadership teams as well as outside partners to build sustainable products that empower researchers and benefit our oceans. The ideal candidate will be a motivated self-starter with several years of relevant post-undergraduate engineering experience, demonstrated technical and project management capabilities, and outstanding communication and interpersonal skills. The successful applicant will work on multiple projects ranging from fundamental research and product development to customized solutions for academia research, defense and industry applications.

If you have an insatiable curiosity about energy solutions, a passion for ocean sustainability, an unstoppable drive to build meaningful products, and an obsessive attention to detail, this is a perfect opportunity to make your impact on the world.

**About Seatrec:**

Seatrec designs and manufactures energy harvesting systems that generate electricity from naturally occurring temperature differences in ocean waters. This renewable energy can be used to power deep water oceanographic research equipment such as floats, gliders, and Autonomous Underwater Vehicles (AUVs), resulting in the most scalable, cost-effective deep ocean data collection possible. Incorporated in 2016 by CEO, Dr. Yi Chao, Seatrec's technology originated at NASA Jet Propulsion Laboratory, California Institute of Technology, to provide clean power for remote off-grid locations. The company is headquartered in Vista, California. To learn more, visit us at [seatrec.com](http://seatrec.com) and [@SeatrecInc](https://twitter.com/SeatrecInc).

**Position Responsibilities:**

- Work with our engineering, marketing and sales teams to design, build, and deliver best-in-class solutions for the oceanographic community
- Be a consummate team player committed to delivering world-class engineering solutions
- Interface with customers for user feedback on defining key features and incorporate same into our product roadmaps

- Apply engineering principles and practices to the design, development and production of underwater energy harvesting systems and related electromechanical devices
- Engage constructively and professionally with a small and dynamic engineering team working on multiple simultaneous projects
- Select and procure parts and equipment to meet design and production requirements in accordance with company procedures
- Interact with equipment vendors, machine shops, and other outside services to assure product quality and timely delivery
- Author and maintain appropriate engineering report and customer documentation

### **Position Requirements:**

- Bachelor's degree or equivalent in engineering (mechanical or electrical) from an accredited university
- Experience in project management developing schedules, meeting deliveries and milestones
- Proven history of commercializing hardware products
- Experience in full-cycle product management
- Excellent communications, organizational and interpersonal skills
- Collaborator with patience and ability to listen, and absorb disparate input
- Data-driven decision maker with strong prioritization skills
- Exceptional written and verbal communication skills
- A valid driver's license and US Citizenship or permanent residence with the ability to travel worldwide

### **Desired Skills:**

- Familiarity with the ocean engineering, related underwater industries such as AUV and ROV, unique marine-environment engineering challenges, and underwater sensor and interconnect technologies
- Experience with phase change materials, heat exchanger design, heat transfer analysis and modeling, refrigeration systems, industrial waste heat recovery, hydraulic components and systems, or electrical energy generation, storage, and distribution
- Experience working on government contracts
- Fundamental shop skills including the correct and safe usage of manual and power tools and the ability to read and interpret engineering drawings
- Experience with metal fabrication processes (welding, milling, turning, finishing)

### **Employment Category:**

This is a full-time, exempt position including paid-time-off benefits and a 401K retirement package. The successful candidate will work at Seatrec's Vista, California facility, near San Diego. Relocation assistance will be considered.

**Equal Employment Opportunity:**

Seatrec provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, sexual orientation, or any other characteristic protected by federal, state or local laws.

**Application:**

To apply, please submit your resume and cover letter to [jobs@seatrec.com](mailto:jobs@seatrec.com).

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