



Production Technician

Seatrec is seeking an experienced **Production Technician** to support the scaling of manufacturing for our autonomous profiling floats. In this role, you will work closely with our Production and Engineering teams to build, test, and refine our float products, perform quality control, and participate in both laboratory and ocean testing.

About Seatrec

Seatrec designs and manufactures subsea drones that generate electricity from ocean temperature gradients. Our products empower defense and oceanographic researchers to extend mission durations, optimize data collection, and reduce operational costs. By enabling the integration of advanced sensors previously limited in endurance and functionality, such as hydrophones, we open new possibilities for ocean science. One of our floats recently deployed off the coast of Kona, Hawaii, has collected a record of more than 1,000 profiles. Seatrec's energy harvesting core technology was developed at NASA's Jet Propulsion Laboratory and spun out of the California Institute of Technology in 2016. Seatrec is headquartered in Vista, California. Visit us at seatrec.com.

Position Responsibilities

- Assemble and integrate mechanical, electrical, and electronic components.
- Develop work instructions and document assembly procedures.
- Quality check incoming parts and provide feedback to purchasing department in case of quality issues.
- Perform wiring, soldering, and PCB installation for control systems.
- Develop test procedures to improve quality of delivered products.
- Conduct acceptance testing on various subassemblies.
- Test, troubleshoot, and calibrate oceanographic sensors.
- Collaborate with engineers to improve designs and resolve technical issues.
- Monitor inventory and perform physical counts.
- Assist in field testing of new sensor implementations.

Position Qualifications

- Vocational training or associate degree in electronics, mechatronics, or related field.
- Hands-on experience with electromechanical assemblies.
- Experience working in a manufacturing environment and expertise using hand- and power tools.
- Familiarity with soldering, wiring, and basic electronics troubleshooting.
- Able to follow detailed assembly procedures and pass quality inspections—your work will be pressure-tested and deployed in the ocean.
- Physically able to lift up to 50 pounds and work at a bench for extended periods.



- Enthusiasm for building technology that supports ocean science and defense research, with willingness to learn new skills and make a tangible impact.
- Bonus: Experience with marine technology or robotics.

Location

Full-time, onsite position at Seatrec's headquarters and manufacturing facility in Vista, California.

What We Offer

- Competitive pay
- Health, dental, and vision insurance
- Tax-advantaged retirement plan through Simple IRA
- Paid Time Off (PTO)
- Opportunities to participate in ocean deployments and field tests—see the units you built in action
- Cross-training opportunities in engineering, testing, and field operations
- Small team environment where your work directly impacts mission success

Equal Opportunity Employer

Seatrec is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

To apply for this position, please send your resume and cover letter to jobs@seatrec.com.