

Senior Mechanical Engineer

Poseidon's Forge, Inc. (PSFi) | Fall River, MA | On-site

The Role

As a Senior Mechanical Engineer at Poseidon's Forge, you will complement our core mechanical team and help carry a growing book of work across our vehicle platforms. This is a hands-on, high-ownership role spanning the full breadth of underwater vehicle mechanical design. If you're someone with deep experience, real drive, a love for challenging problems, and a genuine passion for designing products built to last in the ocean, this is the position for you.

What You'll Do

- Design and develop mechanical systems for autonomous underwater vehicles, from concept through build and test.
- Work across the full range of vehicle mechanical design: propulsion and thrust, motor design, control surfaces, electronics packaging, mechanical packaging, pressure vessels, subsea housings, etc.
- Determine proper material selection for various projects.
- Apply hydrodynamic principles to improve vehicle performance.
- Contribute to design reviews and help mature our engineering practices as we scale.
- Work closely with the existing mechanical and systems teams to hit customer delivery schedules.
- Develop CAD-based drawing packages utilizing GD&T and ASME Y14 standards.
- Work closely with suppliers to bring new technologies and capabilities to the subsea space.
- Build buoyancy documentation for various vehicle configurations.
- Work with purchasing to ensure parts and assemblies are tracked using an ERP system.

What We're Looking For

- 5+ years of mechanical engineering experience, ideally in the underwater, marine, or an adjacent technology industry.
- Expert-level SolidWorks proficiency.
- Broad mechanical design experience across propulsion, large item packaging, and pressure vessels, with strong subsea materials understanding.
- Experience with GD&T
- Must enjoy working closely as a team.
- Bachelor's in Mechanical Engineering or equivalent experience; a Master's in Ocean Engineering, or a Mechanical degree paired with an Ocean Engineering background, is a plus. We care far more about your motivation, drive, and hands-on experience than your credentials.
- Shock and vibe experience is a plus.

- Product manufacturing and/or production experience is a plus.
- Experience with ANSYS and CFD is a plus.
- Hydrodynamics or propulsion design experience is a plus.
- Field or deployment experience, seeing these vehicles operate in the real world, is a plus.
- Experience working with ERP systems and understanding the workflows that are associated with them is a plus.
- Able to participate in at-sea vehicle testing aboard small vessels, with or without reasonable accommodation.
- Able to lift and maneuver vehicle components and test equipment up to 50 lbs, with or without reasonable accommodation.
- Must be a U.S. person (U.S. citizen, lawful permanent resident, or individual granted asylum or refugee status), as this position requires access to information controlled under U.S. export control regulations (ITAR/EAR).
- Someone who wants to join a hard-working, highly motivated team and help change what's possible underwater.

About Us

Poseidon's Forge is a maritime autonomy company building modular, open-architecture autonomous underwater vehicles for defense, scientific, and commercial customers. We are a small, highly motivated team moving fast on hard problems in the underwater drone space. The work is demanding and the rewards, technical and otherwise, are substantial.

Poseidon's Forge 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, ancestry, age, disability, genetic information, protected veteran or military status, or any other characteristic protected by law.