

Mechanical Design Engineer - Clean Energy

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Company: Generac

Location: South Portland

Category: other-general

Generac Clean Energy combines the speed and excitement of a technology startup with the resources and market power of an S&P 500 industry leader. Our careers offer boundless opportunity for energetic, mission-driven applicants who seek challenge and impact in a fast-paced culture of teaching, learning, and professional growth, developing solar+storage products and software for the clean energy revolution. Join Generac Clean Energy as we drive to build energy solutions for a more resilient, sustainable world.

Location: South Portland ME, Reno NV, or Bedford MA

What You Will Be Doing As a part of the mechanical group, you will be part of developing next generation clean energy solutions, accelerating our progress towards a sustainable energy future. You will play a leading role in the design, validation, and production of Generac's clean energy products, with an emphasis on innovation, manufacturability, quality, reliability, and cost.

Technical Responsibilities As a Mechanical Design Engineer your responsibilities will include:

- Developing mechanical components and assemblies for next gen BESS
- Designing, prototyping, testing & validating products into production / sustaining
- Collaborating with the design studio, hw engr, mfg engr, quality, operations
- Delivering solutions optimized for form, function, quality, cost, and experience
- Ensuring solutions are manufacturable, serviceable, and compliant
- Sharing knowledge and contributing to processes development
- Solving electro-mechanical integration challenges

Required Qualifications Bachelor's degree in Mechanical Engineering or related field with strong fundamentals

- At least one prior Mechanical Engineering internship
- Basic knowledge of common engineering materials and primary uses
- Basic knowledge of design for manufacturability, and design for assembly
- Proficiency in 3D CAD

(Solidworks preferred, others accepted) Preferred Qualifications Master's degree in Mechanical Engineering or related field Experience in rapid prototyping (3D printing, quick-turn mockups) Experience with structural FEA and ability to perform simulations Excellent written and verbal communication skills

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