



R&D ENGINEER

Norwich Technologies seeks a **Research and Development Engineer** to join our team pursuing the rapid commercialization of cutting-edge solar technologies. The ideal candidate will be highly motivated with outstanding analytical, technical, and communication skills. If you are looking to combine your quantitative acumen with your creative talents, where you can run sophisticated computational tools and also work with your hands building and testing actual working prototypes using novel materials, this is the job for you. We are a small company with big goals, where each employee contributes in many meaningful roles to further advance clean energy.

Job Summary

Full or Part-time R&D engineer; level commensurate with experience.

Responsibilities

- Support ongoing development of photovoltaic and concentrating solar power systems.
- Set up, perform, and validate advanced engineering analyses.
- Work both independently and collaboratively on iterative design, prototyping, and testing.
- Lead the production of coordinated engineering models, drawings, and specifications.
- Document and report the results of modeling and experimentation.
- Contribute to the innovation of intellectual property.

Core Qualifications

- Enthusiastic “can-do” attitude, attention to detail, and interest in clean energy.
- Excellent communication, organization, and creative problem solving skills.
- Ability to work nimbly to meet deadlines and deliverables on multiple projects.
- B.S. degree or equivalent in engineering, physics, or chemistry.
- Training in materials science, thermodynamics, heat transfer, solid and fluid mechanics.
- CAD drafting and solid modeling expertise.

Beneficial Skills

- Facility with numerical methods, such as:
 - Finite Element Analysis of structural assemblies
 - Computational Fluid Dynamics software such as ANSYS Fluent
 - optical ray tracing, e.g., ZeMax software or Monte Carlo methods
 - linear and non-linear optimization
- Familiarity with Lean manufacturing methods and Design for Assembly principles.
- Training in metallurgy, electrical engineering, structural systems, computer science.

Company Overview

Norwich Technologies is a leading solar technology company that researches, develops, and installs solutions for affordable clean energy. Located centrally with offices in White River Junction, VT and West Lebanon, NH, Norwich Technologies develops, designs, and installs solar photovoltaic systems for residential, non-profit, and commercial customers throughout New Hampshire and Vermont using its patent-pending EZ-PV metamodule process. Norwich Technologies has an active research and development program in concentrating solar power, having been awarded over \$3M in grants from the Department of Energy SunShot program and from the National Science Foundation.

Contact

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