

POSITION DETAILS

TITLE: Senior Mechanical Engineer

LOCATION: Philadelphia, PA

HOURS: Standard business hours

TRAVEL: Minimal (<5%)

JOB TYPE: Salaried (compensation competitive and commensurate with experience)

BENEFITS: All employees receive access to our health insurance plan (we cover 75% for employees, spouses and children), leave policy, 401K with match, and a stock option grant

OVERVIEW

We're looking for a Senior Mechanical Engineer to help accelerate the pace of our new product development for small-scale renewable power integration devices. The successful applicant will make significant contributions to our integration pathway with smart inverters, energy storage systems, and electric vehicle systems. This role reports to our Vice President of Hardware and Delivery.

IDEAL CANDIDATE QUALITIES

SELF-MOTIVATED – able to get up to speed quickly and work effectively without a lot of supervision

CURIOS – interested in acquiring new skills and learning about new topics

ORGANIZED – able to document and communicate work effectively

THOROUGH – someone who drives issues to resolution and promotes clarity

EXCITED BY DRIVING CHANGE IN THE WORLD – motivated by the idea of “if not for me/my work, this important thing would not have happened”

The ideal candidate is an enthusiastic, self-motivated mechanical engineer with a strong background in mechanical design with working knowledge of basic electrical principles and a demonstrable track record in successful project execution.

The position is ideal for you if you have an interest in renewable energy, grid technology, and manufacturing and are looking to join an innovative, rapidly growing company.

COMPANY

ConnectDER (www.ConnectDER.com) represents part of the next generation in US-based product development. Our goal is to quickly generate new technologies targeted at surmounting barriers in the distributed generation and smart grid industry.

Our flagship product, the Smart ConnectDER, is a plug-and-play interface for rapidly connecting residential solar photovoltaic systems to the grid and managing them using embedded telemetry and communications.

We currently have a robust development schedule in addition to ramping up manufacturing and delivery of the existing products. We are a small company with a growing book of work to support.

JOB DUTIES

- Hardware design
 - This is approximately 50% of the role. Design of mechanical components for our next generation products
- Program management
 - Approximately 20% of the role. Assist in the day to day coordination of work with partners on new design initiatives.
- Vendor management
 - Approximately 20% of the role. Work collaboratively with vendors to bring new components from design to prototype to production.
- Manufacturing support
 - Approximately 10% of role. Generate documentation and assist in design of programs to evaluate and audit the manufacturing process.
- As mechanical engineering team grows, mentor junior staff.

WHAT SUCCESS LOOKS LIKE

Here are some initiatives vital to company success that we'd like to see you accomplish within your first six months:

- Develop a thorough understanding of the ConnectDER hardware design.
- Have a working knowledge of the development tools. (Autodesk Inventor, SolidWorks, Adobe Illustrator, etc...)
- Able to own and execute discrete development project such as a new injection molded part or management of a certification test.

CANDIDATE REQUIREMENTS

Needs

- BSME
- 5 + years of experience mechanical CAD design
- Familiarity with 3d printing
- Demonstrated troubleshooting capabilities
- Design for manufacturability experience
- Excellent written and verbal communication skills
- Ability to lead projects in conjunction with strategic partners
- Preference for working in a fast-paced startup environment

Wants

- Experience with injection molded part design
- Machining and prototype assembly experience
- Electrical Utility industry background
- Interest in grid integration of renewable resources
- UL experience
- ANSI experience

CONTACT

Interested candidates should apply by contacting ConnectDER at careers@connectder.com. Please include a resume in PDF format and at least one professional reference.