



Senior Mechanical Engineer

About Altus Thermal

Altus Thermal is developing a smart, high efficiency heat pump product for the residential market. Our product is designed for the age of electrification and will increase comfort while reducing operating costs, lowering emissions, and providing benefits back to the grid. If you want to be an early part of a growing climate tech company then keep reading. Altus is based at Greentown Labs in Somerville, Massachusetts.

The Role, At-a-Glance

Altus is seeking a Boston-area Senior Mechanical Engineer to take a leading role in the day-to-day hardware development of Altus's product from its current status – field prototype – through launch. This role is primarily onsite but includes flexibility to work remote as needed. Responsibilities may include periodic travel to engineering consultants, vendors, and pilot locations primarily in the US.

What Will I Do?

As a core part of the Altus Engineering team, you will:

- Work closely with the founders and engineering leads to drive the day-to-day hardware development to enable a rapid, successful product launch - this includes developing and optimizing hardware design at all levels of complexity, from component to subsystem to fully integrated architecture
- Leverage engineering best practices to define technical targets, test protocols, and success criteria
- Help drive forward key launch activities including manufacturing preparation, quality testing, field testing, product certification, and supply chain management
- Get your hands dirty - everything from CAD design to building simple breadboard prototypes to testing fully developed pilot units to building a high level of confidence for a successful launch
- Conduct testing then interpret the results to make informed design iterations so we can build and test some more until it's right
- Work within a highly collaborative cross-functional team

What Qualifications Do I Need?

You have a proven track record in hardware design, including:

- BSc in Mechanical Engineering or a similar technical field with at least 5-7 years of experience in hardware design and a proven track record in a product development environment
- Ability to build and design complex assemblies in CAD, preferably Solidworks
- Strong hands-on skills, including the ability to build, test, and debug everything from quick-and-dirty prototypes all the way to pre-production by 3D printing, milling, and turning
- Fundamental knowledge of QC procedures and process controls for high volume manufacturing
- Success in executing the designing/building/implementation of capital equipment
- Strong analytical skills - the ability to understand the problem-to-be-solved on a deep level and interpret results on more than just a superficial level
- General knowledge of manufacturing best practices including DFM, part selection, and BOM creation
- High comfort level within a fast-paced environment - you'll be helping to build from the ground up so it's important to be flexible and capable of adapting to moving targets
- Self-starting attitude - while Altus is a highly collaborative team environment, we're looking for candidates who can take a general direction then run with it and make it their own
- Extra credit if you have experience in any of the following: consumer products, manufacturing, IOT products, electronics and software controls, and/or experience with CFD and FEA, experience with thermal sciences and/or heat pump design

Want to Learn More?

Please email careers@altusthermal.com with your resume, portfolio, and brief thoughts on:

- Why are you interested in joining a climate tech company/how does it fit with your goals?
- When the time comes for reference calls, what will your colleagues say about you?
- What's your proudest professional achievement? Why?