

# InfiniteCooling

## Senior Mechanical Engineer

Infinite Cooling's mission is to mitigate water scarcity around the world. We help power plants and other industrial plants reduce their water consumption and water treatment costs by recovering water from their cooling tower exhaust. We have a patent-pending technology developed at MIT that uses electric fields to capture water from the plumes leaving cooling towers. We are a vibrant startup based in Somerville, Massachusetts, and we are on a mission to be a global leader in the water services industry for industrial applications. Infinite Cooling is venture-backed and has won the MIT \$100K, MassChallenge, the DOE national Cleantech competition, an NSF SBIR, and numerous other awards.

We are looking for a sharp, tenacious, and creative Senior Mechanical Engineer to join our team and lead the company's engineering work. Responsibilities will include all product development stages from R&D to design, prototyping and testing through to manufacturing and installation. Strong communication, flexibility, and the desire to "wear many hats" will all be essential skills for a successful applicant.

What you will do:

- Design, build, test, and analyze mechanical prototypes
- Define requirements, spec parts, and participate in design reviews
- Design mechanical, structural, thermal, pneumatic, fluidic, and/or electrostatic systems
- Help define product development roadmap
- Develop and improve manufacturing processes and develop field installation plans
- Manage design and execution projects (i.e. time tracking, scheduling)
- Supervise junior engineers
- Design and execute efficient qualification test plans

About you:

- You are passionate, genuinely curious, and innovative
- You have unwavering personal integrity and work ethic
- You are proactive and productive – you complete tasks in a timely manner
- You are interested in working with your hands and building things
- You are adaptable and excel working in a fast-paced dynamic environment

Qualifications:

- Bachelor's degree in Mechanical Engineering with 4-10 years of mechanical design experience required; industrial product design is preferred
- Strong background in heat transfer, fluid dynamics, and/or materials
- Proficiency with SolidWorks, GD&T, FEA, and PDM
- Familiarity with design for manufacturing processes such as extrusions, cabling, machining, sheet metal fabrication, welding, spooling, injection molding, and composites
- Prototyping experience: lathe, mill, CNC, sheet metal fab, and 3D printing

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- Experience in equipment installation, field work, and/or construction is a plus.
- Experience in adjacent fields is a plus: structural engineering, industrial sensors and controls, electrostatics, high voltage, DAQ and analysis
- Power plant, utilities, or electrostatic precipitator experience is a plus

Contact:

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