

InfiniteCooling

Electrical Engineer

Infinite Cooling's mission is to mitigate water scarcity and reduce emissions around the world by making industrial cooling more efficient. Industrial cooling systems are the largest users of water after agriculture and major users of energy. We help industrial plants reduce their water consumption and energy usage by optimizing the operation of their cooling systems. We are a vibrant startup based in the Boston area, and we are on a mission to be a global leader in cooling for industrial applications. Infinite Cooling is venture-backed and has raised over \$16M of capital and was awarded over \$3M of prizes and grants.

We are looking for a sharp, tenacious, and creative Electrical/Controls Engineer to join our team and work on all product development stages from design to 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 and build electrical cabinets for control and data acquisition
- Create and maintain electrical schematics
- Create and maintain control and data acquisition software in Python
- Design wireless sensing and communications systems
- Lead component specifications, system integrations, testing, installation, and commissioning
- Travel occasionally to provide hands-on support at customer sites, including directing and communicating with electrical contractors
- Support mechanical and R&D engineers in general electrical matters, such as designing sensor and control systems to support in-house testing and research

Preferred skills and experience

- Bachelor's degree Electrical engineering, Computer science, Robotics, or related fields
- 5+ years of work experience
- Experience with electrical schematics and industrial control panels
- Experience with IoT systems and MQTT communications
- Familiarity with industrial sensors and communications standards (Modbus, RS485, 4-20mA signals, etc).
- Familiarity with the National Electrical Code (NEC)
- Programming experience, particularly in Python and in Linux-like environments
- Safety-first mindset around electrical systems.

Location:

121 Madison Street, Malden, MA 02148

Contact:

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