

InfiniteCooling

Infinite Cooling's mission is to mitigate water scarcity around the world by making industrial cooling more efficient. We help industrial plants reduce their water consumption and water treatment costs by recovering water from their cooling tower exhaust. We have a patented technology developed at MIT that uses electric fields to capture water from the plumes leaving cooling towers. We are a vibrant startup based in the Boston area, 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 raised over \$16M of capital and was awarded over \$3M of prizes and grants.

We are looking for a sharp, tenacious, and creative Industrial Controls Engineer to join our team and lead the development and implementation of the company's control systems. Strong communication, flexibility, and the desire to "wear many hats" will all be essential skills.

What you will do:

- Design electrical cabinets for control and data acquisition systems. This includes electrical schematics, component selection, and panel layouts
- Select sensor suite and write software to integrate them into control and data acquisition system
- Configure, program, test, and debug automation equipment and systems such as PLCs, HMIs, VFDs for motor controls, and data collection
- Commission and test control systems at client's facility
- Design and implement wired and wireless systems using industrial protocols such as Ethernet/IP, Modbus, Bacnet, and Profinet
- Write software to automate system according to operator's needs and sensor feedback, and enable control and telemetry over internet
- Develop databases to archive and display historical system data
- Analyze the collected data through the creation of software tools

Preferred skills and experience:

- Bachelor's Degree or equivalent in Electrical Engineering or related fields.
- 3+ years of experience in developing control systems and integrating them with higher level control systems (DCS)
- Knowledge of controller programming languages such as Ladder logic, Sequential Function Chart, Structured Text
- Experience with industrial sensors (e.g. thermocouples, RTDs, flow meters, pressure transducers) and data acquisition
- Experience with industrial networking and Historian databases
- Experience in design of electrical schematics, including power distribution under 480VAC, and control panels
- Familiarity with Python, C++, or other similar programming languages

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- Ability to travel 10% of the time annually
- Familiarity with SolidWorks Electrical is a plus
- Strong organizational skills; outstanding written and oral communication required

Location:

121 Madison Street, Malden, MA

Contact:

Maher Damak, CEO

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