INNOVATIVE AIR
TECHNOLOGIES

Senior Electrical & Controls Engineer

About IAT
Since the inception of Innovative Air Technologies in 2001, we've desired to change the status quo when it comes to low humidity systems. Our vision is to enrich the lives of our customers by offering quality, flexible, value-driven solutions for any dehumidification application. *That's IAT!*
This drives us to innovate with our products and offer an industry-leading customer service experience from planning to implementation and beyond.

Job Title: Junior Electrical Controls Designer

What we are looking for in a Team member:
We are seeking a highly skilled and self-motivated Electrical Controls Engineer who is passionate about innovation and world-class design. This individual will play a key role in driving our success and must have the ability to take ownership of assigned projects with confidence and independence. The ideal candidate is an experienced professional capable of excelling in electrical design and troubleshooting without requiring extensive guidance or coaching. While we will provide training on the principles of our systems, we expect this team member to demonstrate expertise and the ability to contribute effectively from the start.

Primary Responsibilities:
- Accurately design our electrical schematics for our custom dehumidifiers.
  - Ladder Logic designs in CAD
  - PLC designs in Carel Software
  - Must understand NEC & UL requirements and apply them correctly to electrical designs.
  - Must be proficient in AutoCAD. Solidworks electrical experience would be beneficial.
- Must be able to not only design electrical systems but select components to operate within that system. Motors, Circuit breakers, contactors, relays, VFD's, controllers, etc. All components in the system must be selected by team members and presented in Excel to the Purchasing Dept for procurement.
- Lead R&D and NPD projects. We are constantly innovating, testing, and changing designs.
- Write procedures and production standards.
- Capture continuous improvement needs and create action plans.
- PLC programming is a must. Our products are becoming more and more reliant on PLC based controls. This includes programming Carel (primary plc offering) & Automation Direct PLC products (DirectLOGIC Software). Fluency in other systems like Allen Bradley, Siemens, and Automation Direct PLC products are also desired.
  - Minimum 5 years' experience designing PLC programs.
- Assist field service & customers with technical questions & engineering support.
- Be able to travel to customer's site if needed.

Basic Qualifications:
- BS Engineering Degree from accredited college or university.
- Minimum 5-years of experience in an electrical engineering role.
- Advanced level expertise in electrical drawing creation.
- Working knowledge of HVAC or refrigeration systems.
- Good technical writing skills.
- Self-motivated, engaged, team-oriented, and strategic thinker with the ability to work independently under minimal supervision.
- A passion for doing quality work. High attention to detail.
- The ability to think critically, innovate, and solve challenging technical problems.
- Strong work ethic, and the ability to handle peak work times.
- Fosters a positive working environment.

Preferred Qualifications
- Current PE license for the State of Georgia
- 5+ years of experience designing in the HVAC or Refrigeration industry
- 5+ years of experience using AutoCAD
- 5+ years of PLC design experience
- Proficiency in Microsoft Office, Excel, and PowerPoint
- LEAN, 6S and solid problem-solving experience

Job Type: Full-time
Experience: 10 years
Salary: Based on experience
Benefits: 401K matching, health insurance, paid time off, sick time leave, professional development assistance, team building events, team lunches, bonuses/awards given based on individual and company performance, 4-day work week.
Hours: Mon – Thurs (40 hours). OT required at times. Minimal remote work. Travel is rare (5%).
Work Authorization: US citizen or permanent resident holder.