INNOVATIVE AIR TECHNOLOGIES

VCE Mechanical Engineer

Company Vision:
At Innovative Air Technologies, our mission is to Enrich Lives. We achieve this by continuously innovating every process within our company, creating meaningful solutions for our customers, partners, and team members.

Position Vision:
The Mechanical Engineer will play a key role in driving our innovation forward by taking IAT's mechanical designs to the next level. This role is pivotal in evolving our custom dehumidification systems to exceed industry standards and customer expectations. The Mechanical Engineer will actively contribute to design improvements, product development, and collaborative problem-solving across departments.

Challenges:
To be successful in this role, the Mechanical Engineer will need to meet the following challenges:

- **Mastering Complex Customization:** Each IAT system is tailored to specific customer needs. Understanding and designing to this level of customization takes precision, adaptability, and deep mechanical knowledge.
- **Cross-Functional Communication:** You'll be the bridge between engineering and manufacturing, requiring effective collaboration to align design intent with real-world buildability.
- **High-Performance Output Under Deadlines:** Managing multiple design projects, creating submittals, and releasing accurate BOMs within tight timelines requires strong organization and time management.
- **Continuous Innovation Pressure:** You will be expected to not only maintain quality standards but actively push for better processes, smarter design, and new solutions.
- **Supporting the Field & Customer:** Technical expertise is critical to provide support for field installations, troubleshooting, and customer satisfaction.

Expectations:
IAT's expectations for a successful Mechanical Engineer include:

- **Excellence in Design:** Create robust, accurate, and efficient designs using SolidWorks, in-house design tools, and manufacturer software.
- **Effective Documentation:** Maintain high standards in drawings, submittals (Adobe PDF), BOMs, and technical documentation for manufacturing and customers.
- **Team Collaboration:** Participate in design reviews, engage with the shop floor team, and contribute to smooth project handoffs.
- **Customer-Centric Thinking:** Understand the end-user impact of design choices and ensure every solution delivers on our commitment to enrich lives.
- **Drive Improvement:** Identify inefficiencies or opportunities in engineering processes and take initiative to lead improvements.
- **Engage in R&D:** Contribute creative thinking and practical expertise to research and development efforts.
- **Support Beyond the Office:** Provide technical support to our customers and field service teams when questions or issues arise.