

JA 15

Job Title: Design/Systems/Process Engineer

Job Location: Newington

An Innovative Manufacturer of Oxygen and Nitrogen gas generating systems and a 7-time winner of the Technology Fast 50 award, is seeking a highly motivated person to join our Engineering department as a process engineer working at our corporate headquarters in Newington CT. We are a small, 45 employee company that needs people who are self motivated and directed team players.

The primary focus of this position will center on engineering design support of product development and existing product improvement efforts. The candidate must be capable of performing engineering duties associated with the development of air separation products using PSA, Membrane, and other technologies to produce non-cryogenic oxygen and nitrogen for industrial, commercial, and medical applications, with minimal supervision.

The successful candidate shall:

- Have an innate ability to multi-task in a dynamic environment with a high degree of precision in short lead times
- Develop new concepts from initial design to market release including design, testing, agency approval, BOM creation, and developing technical data for sales.
- Design and implement new methodologies, materials, machines, processes, and products to bring concept to market, including essential product and process documentation.
- Conduct feasibility studies of the design to determine ability to function as intended.
- Work as a key team member on a large project or be responsible for all of the engineering effort on small to medium projects.
- Develop and adhere to schedules, anticipate issues, create contingency plans and coordinate the activities of peers, technicians, and manufacturing personnel.
- Maintain detailed documentation throughout all phases of product development.
- Source and identify vendors and components for incorporation into products.
- Ability to broaden knowledge and workload capacity, capability and responsibility.

Ideal candidate will possess:

- Ability to assess, develop and evaluate alternative approaches, make a decision, execute and deliver results.
- BS, Engineering- Mechanical, Chemical, Industrial, Manufacturing, etc. (Associates degree with significant related work or industry experience may substitute)
- 3-5 years of related work experience preferred. Top engineering school, high class rank or advanced degree can replace experience.
- PLC programming knowledge and experience with Allen-Bradley, Panasonic, Mitsubishi.

- System and process flow modeling experience (mass flow)
- Capable of producing Process and Instrumentation Diagrams (P&ID) both electrical and mechanical aspects
- Knowledge of process control and monitoring equipment a plus (control valves, flow meters, sensor, transducer, etc.)
- Product development background with product and process layout and design experience
- Computer skills in Microsoft Office, Process Modeling, and SolidWorks 3D modeling software
- Experience with PSA, Air compressors, or Membrane technologies a plus
- Experience with lean manufacturing and 6 sigma

We offer competitive compensation and a comprehensive benefits package. Interested candidates who meet the above qualifications are encouraged to submit their resume for consideration.

If interested: **Email us and note the JA number**