

REACTION ENGINEERING EXPERT #10322BR

Air Products and Chemicals, Inc., a Fortune 500 manufacturer of industrial gases and chemicals, has an immediate opening for a REACTION ENGINEERING EXPERT at our Corporate Headquarters in Allentown, Pennsylvania.

This senior contributor position in our Technology organization entails coordination and leadership of technical activities that support the various reaction technologies that drive our rapidly expanding Performance Materials Division. Although emphasis clearly centers on batch hydrogenation reactions, the position will also support other catalytic batch reactions as well as some continuous fixed bed and homogeneous reactions. The candidate is expected to conceptualize, develop and implement step-change productivity improvements for reactor capability across the US, Europe and Asia, support new product introductions, troubleshoot, and effectively mentor junior technologists. The candidate must be comfortable working equipment from laboratory scale, through pilot scale to commercial operations. He/she must also have sufficient knowledge of peripheral processes (e.g., filtration, separations, etc.) to assure appropriate understanding of entire "reaction systems". The candidate will collaborate with various Air Products business, technology, engineering and operations personnel to ensure preparation and execution is adequate to ensure success.

International (10-20%) and domestic travel (10-20%) required.

Qualifications:

- The candidate should have a M.S. or Ph.D. in chemical engineering and a minimum of 15 years experience related to the development, design and operation of industrial reaction systems.
- The candidate should have demonstrated experience in:
 - The fundamentals of catalytic reactions, particularly hydrogenations
 - The development and execution of laboratory research programs
 - The operation of commercial, catalytic reaction systems – with an understanding of the impact of various equipment types (e.g., agitators, spargers, etc.) on process performance
 - Working and leading multi-functional teams
 - Application of an analytical systems approach to problem solving
 - Project development and execution amidst uncertainty, including the ability to develop rough project financials
 - Associated and peripheral unit operations/equipment such as filtrations, flash distillation, cooling systems, agitators, etc.
 - Intellectual property analysis and strategy development
- Sigma and Lean work experience is preferred.

Air Products (NYSE:APD) serves customers in industrial, energy, technology and healthcare markets worldwide with a unique portfolio of atmospheric gases, process and specialty gases, performance materials, and equipment and services. Founded in 1940, Air Products has built leading positions in key growth markets such as semiconductor materials, refinery hydrogen, home healthcare services, natural gas liquefaction, and advanced coatings and adhesives. The company is recognized for its innovative culture, operational excellence and commitment to safety and the environment. In fiscal 2011, Air Products had revenues of \$10.1 billion, operations in over 40 countries, and 18,900 employees around the globe. For more information, visit www.airproducts.com.

To apply for this position, please visit the Air Products Career Center at www.airproducts.com/careers. Click on the link – Search job openings from the left navigation bar. You can apply specifically to Job Req #10322BR. If you are a current Air Products employee, please apply via APOne by clicking on Online Applications, then selecting Career Center.

We thank all applicants in advance for their interest; however, only those applicants who are being considered for an interview, or are currently employed by Air Products, will be contacted.

Air Products is an equal opportunity employer (M/F/D/V) where diversity matters.