

VACUUM TECHNICIAN

TAE, based in South Orange County, is a unique company working in the area of energy research in association with local academia, national labs and an international consortium of institutions. We have an opening for a Vacuum Technician, who is responsible for providing necessary mechanical and technical support to scientific and engineering staff in the vacuum system department of a dynamic research and development facility.

Essential Duties and Responsibilities:

- Under limited supervision, perform assembly, troubleshooting and maintenance of small to large (>25m³) UHV vacuum systems
- Assist diagnostics in preparing pieces to build various diagnostic devices, including cleaning and baking parts for the system
- Maintain proper environment in the UHV lab conducive to creating better vacuum systems
- Protect the company's investment in machinery, equipment, and facilities by exercising care, skill and knowledge
- Control costs by conserving use of equipment and supplies
- Maintain daily logs
- Read and interpret work orders and equipment manuals to determine required maintenance and service
- Perform other assigned duties as required
- Comply with all safety regulations and maintain clean and orderly work areas

Requirements:

High school diploma or GED and completion of a craft apprenticeship, or an equivalent number of years of education and production maintenance experience

Preferred: AA degree in mechanical, electrical, or industrial maintenance and other recognized qualifications gained in apprenticeship(s) or college

Hands on experience in equipment maintenance and calibration of such equipment as: vacuum rough, cryo and turbo pumps, leak checkers, vacuum bake ovens and sonicators

Ability to use basic mathematics together with basic drawings and specifications involving technical skill, knowledge, and application of basic vacuum theory.

Project Experience:

At least 5 years of experience with large vacuum systems in a scientific, research, or industrial environment

Decent understanding of vacuum theory and techniques, into the UHV range

Computer & Software Knowledge and Skills Required:

Standard PC/Mac OP skills, Email, MS Excel and Word, and ability to learn new software packages.

Other Required Knowledge, Skills and Abilities:

Flexibility and ability to multi-task and/or switch rapidly between assigned tasks

Ability to learn and comply with all safety regulations

Willingness to work in confined spaces using appropriate safety equipment

Ability to lift and move objects up to 50 pounds

Ability to speak and read English

Ability to work independently, as part of a collaborative team within a multi-cultural environment

Detail oriented

Ability to adapt previous vacuum experience to different situations

Other Preferred Knowledge, Skills and Abilities:

Familiarity with working with hazardous chemicals: Hydrofluoric and nitric acids, hydrogen peroxide for example

Speaking Russian

Basic electrical skills

Please submit resume and cover letter to jobs@trialphaenergy.com and reference Req. #2015-003.