VACANCY

RHEINMETALL
DENEL MUNITION

POSITION: HYDROGEN & FUEL CELL SYSTEMS ENGINEER
DIVISION: PRODUCT DEVELOPMENT – SOMERSET WEST
REPORTING TO: GENERAL MANAGER: PRODUCT DEVELOPMENT

PURPOSE OF THE JOB:

Hydrogen storage is a key enabling technology to advance hydrogen and fuel cell technologies in applications including stationary power, portable power, and transportation, where high density hydrogen storage is a challenge for all these applications. The Hydrogen & Fuel Cell Systems Engineer will lead research into hydrogen storage solutions and collaboration with external technology suppliers.

KEY PERFORMANCE AREAS:

- Perform detailed technical analysis of plant equipment and technology options that you can present to senior management with recommendations
- Lead hydrogen research through technology evaluations of various production, storage, distribution, and end use applications.
- Perform technical analysis of hydrogen and fuel cell technologies, systems, and infrastructure.
- Perform work independently and in cooperation with other team members, including mentoring and R&D leadership and coordinate work with capabilities resident in laboratories, universities, or other organizations.
- Write and lead research and development proposals.

POST REQUIREMENTS:

- B.Eng./B.Sc. degree qualification in engineering.
- B.Eng./BSc. degree in Chemical or Mechanical Engineering would be advantageous.
- Minimum 4 years of engineering experience in hydrogen related technologies.
- Have thorough knowledge of hydrogen (green/blue/grey) sector including policy and regulations, production technology, storage technology, transport technology and hydrogen uses.
- Experience with industrial process engineering (mechanical, electrical, control systems).
- Experience with hydrogen production projects.
- Experience in electrolysis and liquefaction technologies is preferred.
- Track record of successfully working with third parties to accomplish project goals.
- Working knowledge of renewable energy technologies such as solar, wind and hydropower.
- Superior verbal and written communication skills and high level of attention to detail with the ability to present to a wide range of audiences, including contractors, operations personnel, and corporate leaders.
- Good interpersonal skills and Ability to work well in a team.
- Strong data collection, analytic, and writing skills.

THE FOLLOWING WILL BE CONSIDERED ADVANTAGEOUS:

- Post-graduate qualification
- Knowledge of cost data and benchmarks for Ammonia process technologies, as well as technologies for chemical derivatives like methanol, or Kerosene, etc.
- Experience with Ammonia process technologies, including plant operations, process design, and /or simulation
- Research and development background in the development of hydrogen-based technologies and advantage.

CLOSING DATE: 28 JUNE 2022

Enquiries concerning the post responsibilities may be directed to **Christo Botha 021 850 2007**

A comprehensive CV with a covering letter to be forwarded to Lesego Hadebe, Human Resources Department, emails: Lesego.hadebe@rheinmetall-denelmunition.com

Rheinmetall Denel Munition is an Employment Equity Employer that gives preference to suitable candidates who add to the diversity of the company.