

Membrane Testing Lab Technician

About Osmoses

Osmoses Inc. is a membrane technology company revolutionizing the way industrial separations are performed today! Industrial separation processes account for 15% of the world's energy consumption and are responsible for 16% of CO2 emissions because we rely on energy-intensive technology. Changing this paradigm is one of the biggest opportunities to enable the energy transition.

Our mission is to re-design the backbone of the energy and chemical industry to make it more competitive and unlock new ways to produce and purify essential molecules. We bring together a dynamic group of scientists, engineers, business professionals, and operators from all over the world to develop and commercialize cutting-edge solutions that can reduce the impact of gas separations on the environment while increasing the economic incentive for our customers.

Join us! Together, we can create a future where cleaner, more abundant, and reliable energy is available to everyone, and more sustainable industrial processes become the norm.

Position Overview

We are seeking a detail-oriented and skilled Lab Technician to join our team. The ideal candidate will play a crucial role in supporting the development of membrane based gas separation technology. Under the supervision of senior scientists and engineers, the primary role of the Membrane Testing Lab Technician will be the fabrication, testing and data entry of membrane test devices. The ideal candidate will be familiar with standard gas handling procedures and equipment (pressure regulators, flowmeters, valves, and fittings). The use of routine laboratory equipment such as fume hoods, balances, stir plates and fume hoods will be required for test device fabrication and testing. Broader involvement in the development is anticipated. This position requires attention to detail, strong technical skills, versatility, adherence to safety protocols, and the ability to work collaboratively within a fast paced scientific team.

What you'll be doing

Under the guidance of senior scientists or engineers. The Membrane Testing Lab Technician will:

- Operate routine laboratory equipment as well as specialized equipment for the membrane performance evaluation
- Record and document experimental data accurately, ensuring compliance with quality control standards.
- Fabricate membrane test devices and prototypes
- Maintain an updated inventory of parts used for membrane fabrication and testing
- Place purchase requests for materials when stock reaches reorder levels
- Ensure proper labeling, storage, and disposal of membranes and prototypes
- Prepare, measure, and mix chemical solutions according to precise protocols.
- Perform routine maintenance and calibration of laboratory instruments.
- When necessary, assist and support off-site pilot testing
- Infrequent travel of multi-day duration to support off-site testing
- Adhere strictly to safety regulations and laboratory procedures to ensure a safe working environment.
- Support R&D and Pilot Testing initiatives by providing technical assistance and input.

What we're looking for

- This position requires a AA degree or higher. Attention to detail, accuracy, thoroughness and the ability to adhere to standard operating procedures are critical. The ability to identify problems and solve problems. Basic computer skills. A background in membranes is preferred but not required.
- Experience working in a laboratory environment
- Experience in gas handling and associated equipment is preferred
- Experience in an industrial plant setting is desired but not required
- Hands-on experience with basic tools (wrenches, tube cutters, calipers, etc) is highly valued
- Excellent communication and teamwork abilities.
- Enthusiasm for innovation and technology development.

- Ability to intermittently lift up to 20 kg

What we can offer you

- Opportunity to contribute to addressing one of the biggest environmental challenges of this century.
- Work in the heart of the most innovative square mile in the world and the most exciting hub for clean tech.
- Growth potential by joining at a critical stage a company with strong momentum backed by leading venture capital firms.
- Access to competitive salary and equity package.

Qualities we're looking for

- Attention to detail and accuracy
- Ability to prioritize and manage multiple tasks simultaneously., accountability and reliability,
- The ability to work collaboratively and independently in a diverse team-oriented environment
- Self-starter, team player and ability to work in a creative, and fast-paced environment.
- Clear communication: ability to interact to formulate and articulate data-informed observations and ideas with co-workers

Our commitment

You belong at Osmoses!

Osmoses is an Equal Opportunity Employer. We are committed to creating an inclusive environment for all employees. We do not discriminate based on race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or veteran status. All qualified applicants will receive consideration for employment without regard to these or any other characteristics protected by law.

If you're excited about making a positive impact on the environment and being part of an innovative team, we'd love to hear from you! Apply now and let's shape a greener future together!