JUNIOR R&D ENGINEER IN TRAINING/TECHNICIAN

Swirltex Inc. (Swirltex) is focused on the development and application of innovative technologies for the treatment of difficult wastewater streams. Our expertise and solutions have demonstrated the ability to provide safe reliable water for reuse applications. Our patented process and modular system saves energy, is economical, and provides a service to customers where they need it and when they need it.

Since the beginning we have thought about innovative ways to manipulate an incoming waste stream that enhances conventional treatment. We are focused on our customers and always developing new solutions to meet their challenges.

Our vision is to change how water filtration has been done in the past to help industries and municipalities turn wastewater into a resource towards a Net Zero Water future.

Purpose of the Position

At Swirltex we are always striving to do things differently! We are looking for a R&D Engineer In Training (or Technician) who thinks outside of the box and is looking to work with an exciting innovative wastewater treatment technology. As an energetic and highly motivated team player, the successful candidate will also have in-depth knowledge of water treatment technologies applied in produced water.

At Swirltex, our team is the key to our success. We take pride in recruiting the best talent available for all areas of our business.

Responsibilities and Accountabilities

- Coordinate and supports research and development activities including bench scale and field pilot testing of Swirltex patented technology;
- Performs customer bench scale testing and water analysis. Including data collection, interpretation, reporting and follow up.
- Routine testing and maintenance of bench system
- Document, maintain and follow-up on action items relating to technology development;
- Applications engineering and proposal development activities;
- Assist with process design optimization, equipment sizing, and field trials, as required;
- Coordinate and support third party stakeholders relating to R&D, computational fluid dynamics modeling, installation and commissioning of Swirltex systems.
- Performs background research, reviews technical papers and articles
- Actively communicate and engage stakeholders in the communities where Swirltex operates

Qualifications

- Engineering Degree in Mechanical or Chemical Engineering
- Registered with APEGA or ASET and in good standing
- A minimum of 2 to 4 years of related experience practicing engineering or in an R&D environment
- Able to interpret system design drawings, PFD, P&ID, Control Narratives, etc.;
- Ongoing client liaison and communication throughout the project will be required
- Excellent customer service skills with a focus on relationship building;
- The ability to develop a rapport and a strong working relationship with the client and vendors is critical
- excellent organizational and time management skills
- Self-starter, flexible team player, willing and able to work on a wide variety of tasks and to coordinate staff
- Mechanical aptitude
- Excellent problem solving and analytical skills;
- Excellent written and oral communication skills;
- Demonstrated ability to work in a collaborative team environment with engineers, trades, programmers, and technical professionals;
- Technical knowledge of various wastewater treatment technologies an asset
- Knowledge of water chemistry, chemical and biological treatment an asset

Location and Travel

- Calgary, AB
- Must have a valid passport and driver's License

We thank all applicants for their interest in our organization, however; only those selected for an interview will be contacted.

Please email resume and cover letter to careers@swirltex.com