



APPLICATIONS ENGINEER

CALGARY, ALBERTA

Company

Swirltex Inc. is a wastewater treatment technology company that integrates a proprietary process to treat wastewater. Our technology allows membranes to be used in the toughest waste streams where they were traditionally not feasible or uneconomical (www.swirltex.com).

A fast paced and dynamic environment, Swirltex is undergoing a period of growth and increased recognition of our technology. At Swirltex, our people are the key to our success. We are looking for an experienced Applications Engineer to join our team and help further develop and optimize the Swirltex Technology. We are looking to hire someone who is excited about working for a start-up and helping grow the company to become a world-leader in the industry.

Responsibilities and Accountabilities

- Reviewing customer inquiries and specifications for wastewater treatment projects.
- Determining feasibility/suitability of the design and related equipment while balancing the technical and commercial pros and cons of the various treatment options.
- Providing preliminary engineering design to determine form, fit and function of product based on engineering knowledge as well as customer specifications.
- Performing calculations for system design which may include media and biological loading, flow calculations, ASME code calculations and other related work.
- Work with internal production team to generate cost work ups including material takeoffs and labor hours required.
- Creating vendor inquiry packages to obtain project related pricing when required.
- Preparing preliminary and final cost estimates using internal cost estimating tools and vendor quotations.
- Managing bid submissions to the sales team, ensuring cost accuracy and full compliance with contractual requirements at the lowest possible cost;
- Liaising between various departments including engineering, project management, purchasing and production for technical assistance in developing concepts and processes and project order handoff.
- Providing prompt, appropriate, and accurate responses to internal and external customers.
- Research, develop, and implement solutions for new products and for improvements of existing products.
- Develop and implement systems testing and validation protocols.
- Perform other related duties as required.

Qualifications

Basic

- BSc. Engineering (Chemical Engineering preferred)
- 5+ years experience in a technical role in the wastewater treatment industry;
- Drafting and 3D modeling experience of wastewater or industrial processes;
- Excellent customer service skills with a focus on relationship building;
- 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;

Preferred

- Advanced knowledge in membrane systems would be considered an asset;
- Advanced knowledge in wastewater treatment and industrial pretreatment systems would be considered an asset;
- Knowledge of PLC's and programming would be considered an asset;

Location and Travel

- Calgary, AB
- Travel: Up to 30%; in Canada (and internationally, if required)
- 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 admin@swirltex.com