



Job Posting

R&D Researcher

Groupe AEM Canada Inc., we are a global preferred supplier of ultra-pure aluminum derivatives, setting the industry benchmark in performance with high purity, high reliability, and a low environmental footprint.

Our operations are based on two main sites: our Technical Development Center in Ville-Saint-Laurent and our production plant in Cap-Chat, Quebec.

Mission of the position

The R&D Researcher leads research and development projects aimed at improving and creating products and processes related to high-purity alumina. He works directly in the laboratory and on a pilot unit with a technical team, while also being able to supervise certain aspects of operations. This key position contributes to AEM's growth strategy by ensuring innovation and collaboration with the various teams across the company.

Role Summary

- Under the supervision of the R&D Laboratory Director
- Type of employment: Permanent full-time
- Location: Ville Saint-Laurent, Québec
- On-site position, Monday to Friday – 40h/week

Specific Responsibilities

- Develop new products and improve existing ones.
- Develop experimental plans for new R&D projects.
- Lead technical activities and manage the daily operations of R&D projects at both laboratory and pilot scale.
- Use laboratory analytical equipment and analyze results. Prepare and present progress reports on R&D activities.
- Support the R&D Manager in drafting program updates and related documentation.
- Identify and communicate potential risks or challenges related to research projects to R&D managers.
- Contribute to internal and external meetings, seminars, and discussions related to R&D and sales initiatives.
- Collaborate with and support operations, engineering, and marketing teams.
- Occasional travel may be required.

Skills/profile sought

- MSc or PhD in materials science, ceramics, metallurgy, or chemical engineering, with 3 to 5 years of relevant experience in a related field;
- In-depth knowledge of mineralogical processes, both hydrometallurgy and pyrometallurgy (such as digestion, crystallization, and calcination);
- Excellent oral and written communication skills, and strong interpersonal collaboration abilities;
- Willingness to learn new technologies;
- Ability to write clear and concise reports, communicate with peers, managers, and subordinates, as well as demonstrate supervisory skills in both people and project management;
- Proficiency in software (COMSOL, ASPEN, AutoCAD, Matlab, etc.) is an asset;
- Familiarity with analytical techniques (ICP, TGA, BET, PSD, etc.);
- Perform and/or supervise laboratory work;
- Creative and curious mindset, proactive attitude, passion for new product development, and willingness to contribute to business development;
- Ability to manage multiple tasks simultaneously, adapt to evolving functions, and quickly learn new techniques and approaches;
- Demonstrated dynamism and positive attitude;
- Strong observational skills and great attention to detail.

Note: the masculine is used to lighten, without prejudice to the feminine form.