

Corporate Technical Services Engineer

Lithium Americas is a development-stage mining company with a focus on developing a sustainable, diversified supply of lithium chemicals that underpin the future of energy storage and mobile transportation. We unlock value through safe operation of our sites, understanding the key value drivers and needs of our customers and the communities in which we operate, and taking an innovative and practical approach to the challenges we face. We work closely as an organization and with key stakeholders to deliver solutions.

Role

We have opportunities for qualified Corporate Technical Services Engineers to join our team. In this role, the successful candidates will work closely with the ongoing development of engineering at our Thacker Pass project (currently under development) and engage with our operations and engineering teams at Minera Exar in Argentina to meet the evolving needs of customers in the lithium products supply chain and optimize performance. This includes keeping informed on current trends, developments and changes in the lithium industry for commercial end users of lithium, and integrating with the engineering and operations units in the area of responsibility to ensure consistent design, high reliability and safety, and identify skills and personnel needs with the business unit engineering and operations leads.

In the role, you will work closely with internal teams within the organization, along with external consultants and other stakeholders to identify opportunities and grow our existing capabilities. The position will be based in Atlanta and support our operations in Nevada and Argentina. Frequent travel, including international travel, will be required, after COVID-19-related travel restrictions have eased.

Responsibilities

As a member of the Lithium Americas team, you will report to the Chief Technical Officer. Your responsibilities as the successful candidate will include:

- working with our internal team to identify opportunities, participate in key reviews, identify gaps in skills of our operations and technical organizations with the business unit management teams, and share learnings from different organizations.
- review technology under development by commercial and university sources.
- direct the development of specific technologies for our operations, with a view to evaluating technical readiness, value and risk.

Requirements

- 5+ years of experience in the chemical, fine chemical, pharmaceutical industries.
- BSc in Chemical Engineering.
- Fluency in English.
- Capable of working at elevation (up to 4,500 m [14,700 ft] above sea level).
- Available to travel up to 50% of the time.
- Possession of a valid Driver's License, use of own vehicle or ability to rent a vehicle to perform field work
- Possession of a valid passport and the ability to travel internationally.
- Experience with dynamic and steady state modeling of systems integrating multiple software packages such as Aspen, OLI or JKSimMet.
- Experience in developing and simulating a wide range of unit operations with multiple internal recycling loops.
- Practical operating experience of key production technologies for crystal growth and nucleation, classification of solids, and heat exchange network design, and solid/liquid separation steps.

LithiumAmericas

- Experience in analyzing output from a simulation and aligning models with operating plants and with laboratory results.
- Experience in practical design and development (CAPEX/OPEX optimization) for the fine chemical, electronics, or related industries including software tools.
- Experience in developing key operating procedures.
- Understanding of technical needs for electronics, pharmaceutical and fine chemical products, including quality assurance standards, statistical performance and operational excellence.
- Ability to identify when decisions can be made based on limited information.
- Ability to work collaboratively with internal and external stakeholders to resolve technical questions and identify gaps or opportunities.
- Ability to communicate complex topics and recommendations in a clear but accurate way to identify key issues and facilitate decision making in a timely fashion.

The following would be an asset

- Advanced degrees.
- Fluency in Spanish, Japanese, Korean or Mandarin.
- Experience in process safety management (PSM), HAZOP review, change management and key-safety procedures.
- An inorganic chemicals background.
- Six-sigma blackbelt / Lean.
- Experience in integrating OLI, other thermodynamic packages and specialized software into a cohesive process model.

Please submit your resume, references, and a short note as to why you are interested in this opportunity and joining Lithium Americas, by email to:

careers@lithiumamericas.com

Lithium Americas Corp. is a Canadian publicly listed company with two advanced-stage lithium development projects, in Argentina and Nevada, USA. We value diversity in the workplace and are committed to employment equity. We encourage applications from all qualified candidates.