

## Senior Process Engineer

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### Mission

We are on a mission to deliver lithium to the world in the most efficient, responsible, and profitable ways possible. We are looking for people with ambition, energy and talent to join our team.

### Role

The Senior Process Engineer will play a critical role in pursuit of our mission. You will work within our Engineering group and interface extensively with our wider development team. You will be tasked with supporting Lithium Nevada's technical efforts in developing a process, and designing a plant that extracts lithium from claystone ores and produces lithium compounds for the battery market. You will spearhead engineering initiatives that result in safe, efficient, low-cost, and low-footprint clay processing. You will model and design chemical flowsheet concepts, develop and perform testing campaigns, as well as engineer and deploy commercial chemical processing systems. There will be relentless focus on themes of safety, efficiency, and cost optimization. Your deliverables will support the permitting, construction, and operation of a world-class lithium production facility. This means being innovative, imaginative and resourceful, applying practical solutions and integrating seamlessly with the rest of the team.

The position will be based in Reno, Nevada. Regular travel to partners and vendors is expected.

### Responsibilities

As a key member of the team, we would look to you to deliver on the following:

- Designing and deploying lithium extraction processes from clays, from conceptual flowsheet design to commercial facility commissioning and operation.
- Developing and optimizing chemical processing systems using mass & energy balances, thermodynamic, kinetic, data analytical techniques, environmental and regulatory information.
- Formulating and performing testing campaigns that support the process engineering work. There will be strong focus on reliable data collection and robust analytical techniques.
- Work closely with a team of engineers, geologists, contractors and others to (a) advance process models and simulations on sound assumptions and reliable test data, (b) optimize project cost and accelerate development timelines, and (c) participate in trade-off-studies that provides solid information and feedback to the whole team.
- Supporting the evaluation and selection of advance technologies through cost/benefit analysis.

- Develop block flow diagrams through Piping and Instrumentation Diagrams (P&ID).
- Engaging and managing relevant contractor relationships and technology partnership programs.

## Job Qualifications

### Required

- Bachelors Degree in chemical, mechanical or manufacturing engineering; Masters or PhD a plus.
- Minimum 5 years of relevant work experience. Strong understanding of chemical engineering principles, equipment selection & testing, and process operations experience.
- Experience in development, engineering, commissioning and/or operating of industrial chemical processes, especially in:
  - inorganic chemical processing
  - ion exchange, solvent extraction, solid-liquid separation, and/or bulk solids handling
  - crystallization, evaporation, and product quality control
- Worked within an organization that prioritizes a culture of safety and environmental stewardship.
- Familiar with best-in-class QA/QC protocols and safety/risk management standards.
- Impeccable organizational skills in data collection, analytics, and management.
- Outstanding communication and organizational skills with the ability motivate team members toward a goal within a flat reporting structure.
- Demonstrated ability in coming up with creative solutions for addressing engineering challenges, and execute upon them.
- Ability to multi-task and run several projects in parallel, while prioritizing and pursuing critical-path tasks on an accelerating schedule.
- Ability to critically challenge assumptions, “think outside the box”, and deliver creative solutions on-time, on-budget, without compromising on quality.
- Be a self-starter: highly motivated, able to work independently, with high energy.

### Preferred

- Fluency in Mandarin or Spanish.
- Practical experience in project and risk management.
- Experience in lifecycle analysis and management.
- Proficiency in Aspen, Metsim or similar software programs.

Please submit your resume, references, and a short note as to your motivations on why you’d like to pursue this role to: [HR@lithiumamericas.com](mailto:HR@lithiumamericas.com).

# Lithium Nevada

Lithium Nevada Corp. (LNC) is a subsidiary of Lithium Americas Corp. (LAC). LAC is an equal opportunity employer. LAC is a Canadian listed public company with two advanced lithium development projects in Argentina and Nevada, USA.

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