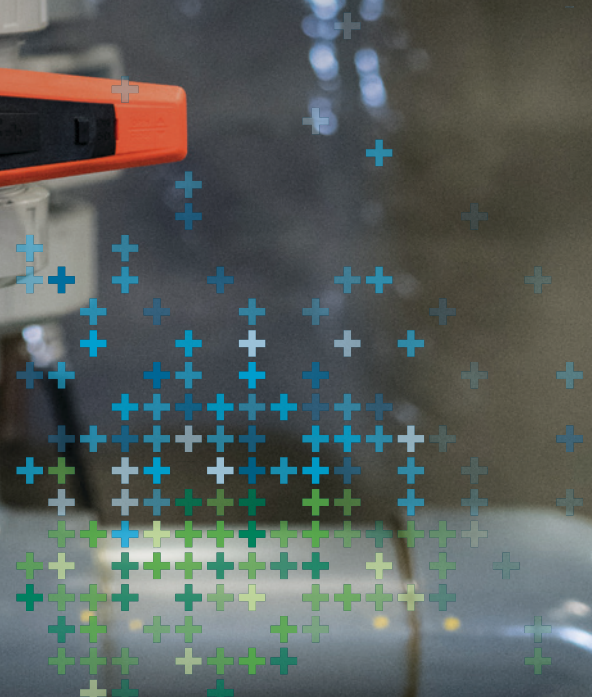


**Process Automation**

**Treating industrial  
wastewater and sustainably  
refining lithium**

**Saltworks Technologies Inc., Vancouver, Canada**

**Recovering valuable resources and treating  
wastewater with Process Automation  
solutions by GF Piping Systems**



# Saltworks Technologies Inc. builds high-tech skids to refine lithium and treat industrial wastewater

The Canadian company Saltworks Technologies Inc. specializes in industrial wastewater treatment and lithium refining. Its modernized thermal, membrane, and chemical process skids can treat industrial wastewaters, process brines for lithium refining to battery-grade solids, or extract valuable raw materials such as lithium, nickel, or cobalt. To ensure consistently high quality, Saltworks chooses to install complete Process Automation solutions by GF Piping Systems in their skids and containers.

## Project background

Lithium is an alkali metal that is widely used in batteries, especially for the rapidly growing electric vehicle (EV) industry, as well as in a broad range of electrical and electronic applications. Saltworks offers advanced, sustainable solutions for lithium refining and battery recycling projects that concentrate, refine, and convert lithium in brines to battery-grade solids. The company's skids and containerized plants are also capable of treating process water for use or safe discharge and can recover more fresh water from brine than conventional technologies.

## Selected technical solution

Reliability plays an essential role for Saltworks, as it is their goal to let customers focus on lowering their water footprint rather than maintaining components. Therefore, the Vancouver-based company elected to install complete solutions by GF Piping Systems in their skids and containers including plastic valves, fittings, and pipes but also instruments and automation solutions. With this connected ecosystem, customers can easily control their piping systems, monitor their water quality, and optimize their energy usage.

## Achieved improvement

By selecting GF Piping Systems' products, Saltworks Technologies Inc. offers their customers customized, long-lasting and reliable water treatment solutions. Thanks to the material properties of plastics, the piping systems within the skids and containers are corrosion-free and require very little maintenance which also reduces operating costs. In addition, GF Piping Systems not only supplies the necessary components but also functions as a technical partner who can collaborate on finding the optimal technical solutions. As a result, Saltworks can continue to focus on improving industrial water treatment as well as advanced lithium extraction and refinement.

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The Canadian company Saltworks Technologies Inc. specializes in water treatment skids and container solutions.



GF Piping Systems provides customized and reliable solutions for process automation.

## Customer benefits

- Solutions for the entire control loop, from valves, fittings, and actuators as well as instruments and automation solutions
- Broad range of products and experience
- Plastic piping systems are corrosion-free, require little maintenance, and are cost-effective

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