

CASE STUDY: Mineral Mining

When your insurance choice is rock solid

As the demand for clean power grows, so does the need for lithium, a mineral critical to the batteries that use and store this power in electric vehicles and energy storage systems. Today, over one million tons of lithium is mined annually, but to meet rising demand, this output is expected to need to increase to 2.7 million annual tons by 2030.¹

There are two primary sources of lithium — brine and hard rock. Mining the mineral from rock is a time-consuming, carbon intensive, and ecologically devastating process. Evaporating lithium from brine is more sustainable but still requires patience and can leave pollutants behind after vast amounts of water have been removed from the ecosystem. That's why there is a push in the industry to discover new solutions for extracting greater amounts of high-purity lithium from natural resources faster and more sustainably.

When one climate tech company set out to insure their new system that would harvest lithium sustainably, they looked to a carrier who understood their business.

Chubb's end-to-end industry knowledge

Not only does Chubb understand the mining industry and lithium in particular, but through its Climate Tech Industry Practice, they specialize in controlling and transferring novel risks for businesses developing new technologies and processes that support a low-carbon economy. Lithium is a volatile material, and sustainable lithium extraction systems are relatively new to the industry. But while other insurers may not have been comfortable with this nascent technology, Chubb collaborated with the customer through an in-depth call and leveraged the underwriters' knowledge of mining and lithium, to understand and get comfortable with the risks of the new system.

Chubb's extensive knowledge of the sector, multinational capabilities, and full range of protection products all worked to convince the client that Chubb was the best fit for the job. In the end, the growing company got the protection they needed to move ahead with their goals.

¹ [Lithium Market in 2025 and Beyond: Supply Deficit Looms with \\$116B Requirement](#)

Chubb coverage provided:

- General Liability
- Umbrella
- Auto
- Domestic Property
- Foreign Liability

As Climate Tech companies pioneer innovations for a sustainable future, they encounter distinct challenges stemming from the novel nature of their operations and the pressing need to scale within a low-carbon economy. Chubb is dedicated to providing specialized expertise in emission-reducing technologies to support climate change progress and the transition to a more sustainable energy landscape.

Want to see how Chubb can help you solve unique risk challenges?

Contact your broker, agent, or local Chubb underwriter today.