



# Modern Solutions to Tracking Manufacturers' Carbon Footprints

## CASE STUDY



Carbon Footprint Tracking



Sustainability



Natural Resources

### HOW POLYCOR USES OPTCHAIN™ TO MONITOR SUPPLY CHAIN GHG EMISSION HOTSPOTS

#### CUSTOMER PROFILE

As a worldwide and leading natural stone quarrier, Polycor Inc. has carved an enviable reputation for its innovative work with natural stones for landmarks as well as commercial, residential and institutional projects. The company owns over 50 quarries and 20 manufacturing plants. With over 1,300 employees, Polycor has a 35-year proven track record in the natural stone industry.

#### CONTEXT

Many businesses across all industries are aiming to play their part in curbing greenhouse gas (GHG) emissions and hit—if not surpass—environmental, social and governance (ESG) targets. Polycor is leading the way in the stone industry. Putting its money where its mouth is, Polycor has taken on the ambitious goal to become carbon neutral by the end of 2025 to contribute to stopping catastrophic climate change, which is an extremely tight deadline.

Becoming carbon neutral is a corporate priority, with company champions and task forces looking for ways to:

- Increase the use of renewable energy
- Reduce the company's dependence on fossil fuels
- Create Polycor's own carbon sink
- Improve the business' overall environmental stewardship

Already, Polycor is a proud supporter of the green building movement, with several employees being LEED Green Associates. In addition, some of the company's quarries and plants are certified under the Natural Stone Institute standard for the sustainable production of natural stone (ANSI 373).

#### CHALLENGES

Natural stone is an inherently sustainable building material. It takes less water to process, doesn't release any VOCs, requires less maintenance, and lasts longer than many other building materials.

Unfortunately in the market, natural stone quarriers do not all adopt the same sustainable quarrying practices throughout their supply chains. With a lack of transparency and end-to-end traceability, some quarriers circumvent certain sustainability approaches in order to reduce costs.

Polycor is quite the opposite when it comes to its ESG goals. The company wanted to clearly demonstrate the value of its natural stones, such as granite, as organic building materials and the many advantages they have versus other products, including quartz, concrete, etc. The Polycor team wanted to specifically benchmark its products' GHG emissions and identify GHG hotspots in order to mitigate their effects on the environment and local communities.

Polycor also wanted to tap into real-time analytics to use as the foundation for future product development.



## SOLUTION

Polycor decided to implement OPTEL's outcome-driven intelligent supply chain solution suite, Optchain™, and its Carbon Footprint Tracking module at the company's Rivière-à-Pierre plant outside of Québec City.

Powered by OPTEL's robust traceability platform, Optchain™, can be leveraged to associate Polycor's granite products' carbon footprint levels with other materials. In addition, it can pinpoint GHG hotspots throughout the entire value chain, from cradle to grave. By tapping into a wealth of data, Polycor can reorient its supplier and partnership strategies to more sustainable alternatives.

Polycor can also use OPTEL's simulation tool to track decarbonization efforts, such as reducing the use of fossil fuels by incorporating biofuels or electrification of processes, decreasing the consumption of carbon-intensive materials, etc.

## RESULTS

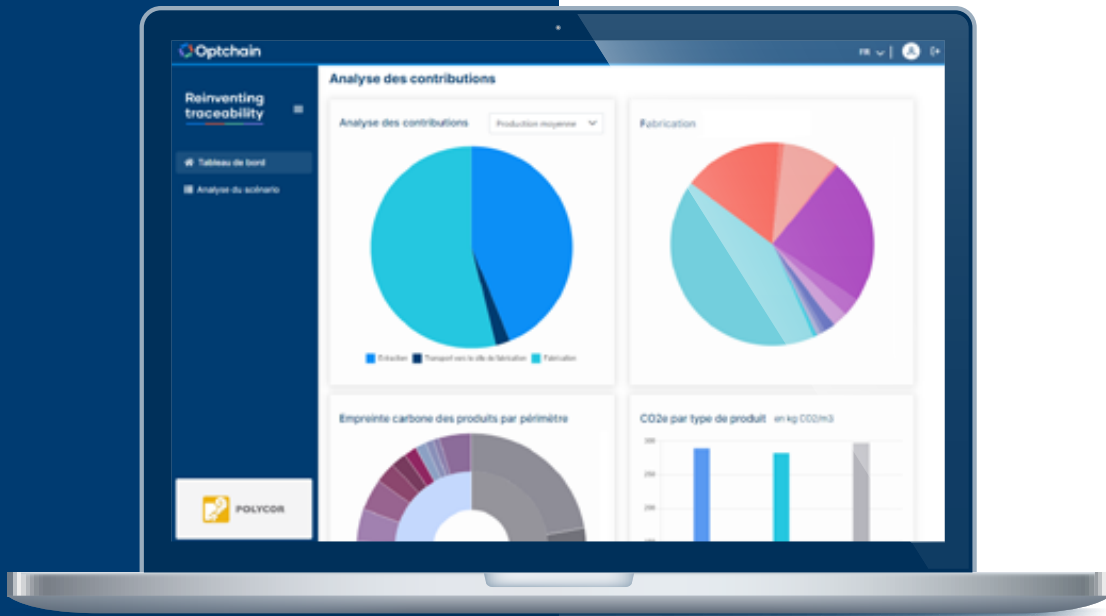
Polycor intends to be assisted by OPTEL to reach its carbon neutrality goal of 2025.

Now, as Polycor uses the detailed results from the carbon footprint assessment and scenario analysis tool, the team can start to strategically work on reducing their Scope 1, 2 and 3 emissions.

"Achieving our 2025 objectives looks very promising, thanks in part to OPTEL's technology,"

"We have always been the industry's leader with our innovations and products. Now, Polycor will be the pioneer in sustainability."

– said Jasmin Randlett,  
Sustainability Manager at Polycor.



## CONTACT US

To learn more about OPTEL's traceability solutions, contact us at [optelgroup.com/contact/](https://optelgroup.com/contact/).

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