

Scenario analysis for supply curves of non-ferrous metals

Client

Private client

The task:

The future market landscape of non-ferrous metals is highly uncertain. These metals are expected to play a key role in the energy transition as they are a key input green technologies such as EV's and electricity grids. However, despite their importance, there is highly uncertain market expectation of new global supply additions beyond 2025.

Our client required a **clear third-party perspective** and consensus on the magnitude of **metals supply expansions** over the next ~25 years.

To address this, we **created custom scenarios on the evolution of supply curves for copper, lithium, nickel.** These scenarios addressed the impacts of various technological, geological and institutional factors on the cost (and thus supply) curves for these metals.

Our model also explicitly incorporated the demand for each metal as use-cases for EV's and grids as well as non-energy transition demand.

Why INTERSECT:

INTERSECT as a general equilibrium model that captures supply, demand, and price dynamics is the **perfect tool to enable a dynamic analysis of the metals required in the energy transition.** With INTERSECT we could move beyond simple supply curve analyses and understand the uncertainties that are incorporated in market forecasts.

