

Case Study






How Societe Generale uncovers its financed carbon emissions, to drive reductions towards net zero



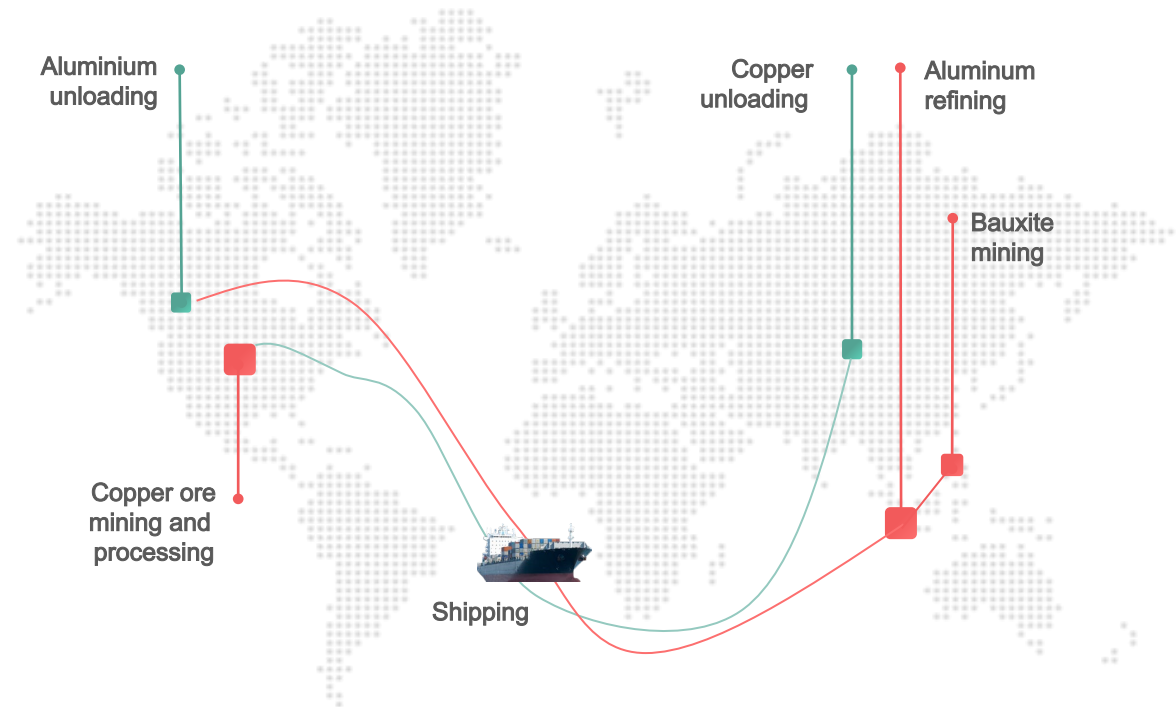
The Challenge

Measuring trading and shipping emissions in our portfolio is vital to:

-  **better understand** clients' carbon performance
-  **support** clients' carbon reduction journeys
-  **demonstrate transparency** on carbon emissions and risk

However, it is extremely complex and expensive to obtain **accurate, verifiable supply chain emissions data**.

Snapshot: Tracking supply chain emissions



Total greenhouse gas emissions = ?

The Process

Tripartite process launched in 2020 with Concord Resources Limited and CarbonChain (leading software provider for commodity supply chain carbon accounting).

Now expanded to other commodity trade finance clients.



Helps map out and extract the raw data from clients' trades (securely and easily)



Calculates each trade's carbon footprint (data is accurate, verifiable and granular, based on an independent third party database)

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The Outcomes



Supply chain carbon footprint for each trade, with asset-level breakdowns

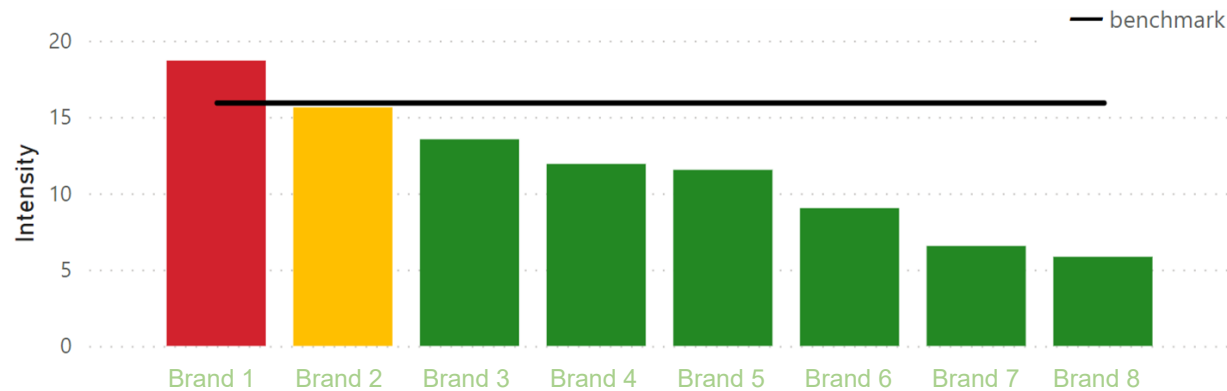


Supplier performance ratings

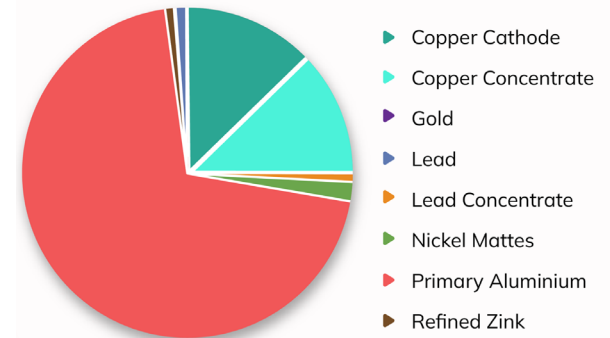


Benchmarking for key activities and assets

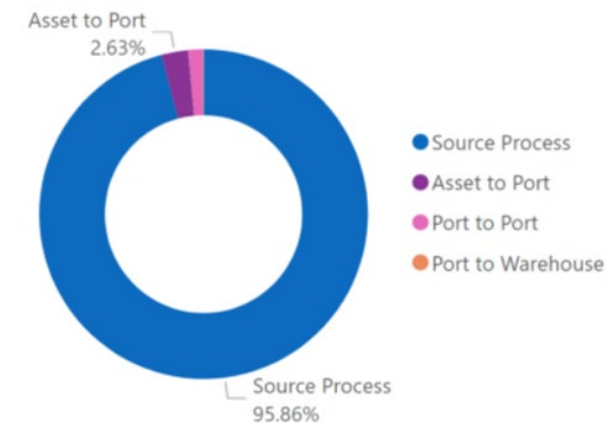
Emissions intensity by brand



Breakdown of emissions (tCO2e) by metal



Profile of supply chain emissions

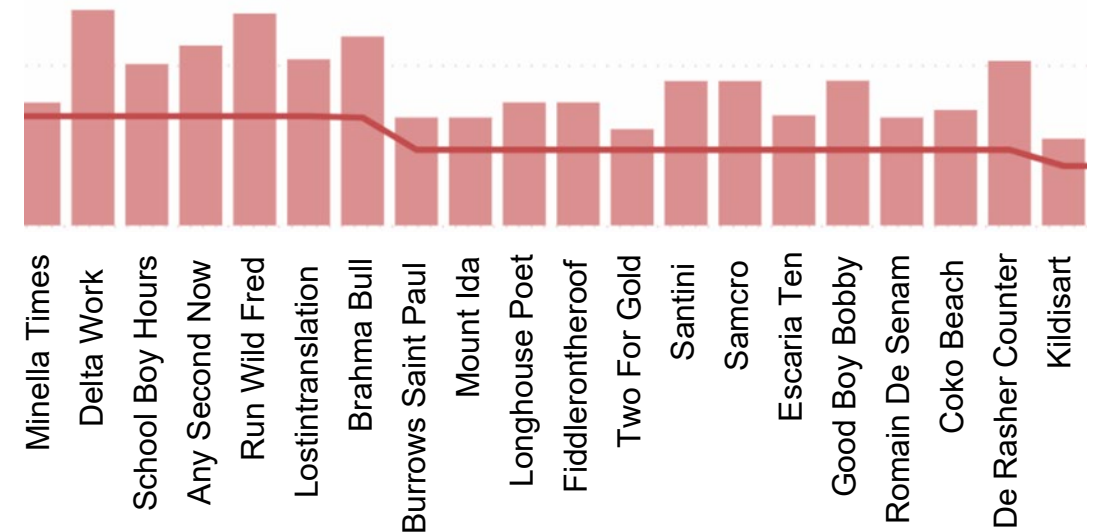


The Outcomes

Map of assets scaled by total emission



Ships emission factors against the Poseidon Principles targets



The Value

- Finding **hidden carbon hotspots** and potential **emissions reduction opportunities** at each step (e.g. warehouse, port, mine)
- Developing **long-term climate strategies** and KPIs with clients
- Measuring progress towards net zero with ongoing **automated emissions tracking** (time- and cost-effective)
- **Pioneering activity** in trade finance sector



CarbonChain's platform helps us work with Societe Generale to accelerate our journey towards resilient and transparent commodity supply chains. Understanding the carbon footprint of our trades is the first step to managing them, and collaboration between key actors in the value chain, from financiers to supplier, is crucial.

CONCORD

Vikram Rajvanshy

Treasurer, Concord Resources Limited



"By working with Concord to quantify their financed emissions we can jointly take data-driven action in the fight against climate change. CarbonChain's platform is helping us both develop a carbon reduction finance strategy to attract low-carbon commodity trading to our portfolio."

 SOCIETE
GENERALE

Deia Markova

Head of Trade & Commodity Finance (Switzerland), Societe Generale