

Smarter sourcing decisions with embedded CO₂ emissions data

In partnership with



Procurement teams face increasing pressure to track CO₂ emissions across shipments and the broader supply chain, but doing so presents several challenges. Comparing suppliers on emissions, in addition to cost, adds another layer of complexity to sourcing events, requiring transparent and consistent data which can be difficult to get. Moreover, the need for emissions data at both the bid and item levels demands a level of granularity that many procurement systems struggle to support, complicating efforts to balance financial efficiency with environmental responsibility.

Not only are CO₂ reductions a must-have following the deployment of stricter CO₂ regulations such as the EU ETS, UK ETS and IMO Net-Zero Framework, they also help companies minimize the need for costly ocean biofuels or carbon offsets at the tender phase, resulting in significant cost savings while meeting sustainability targets.

Bring emissions transparency into every sourcing event

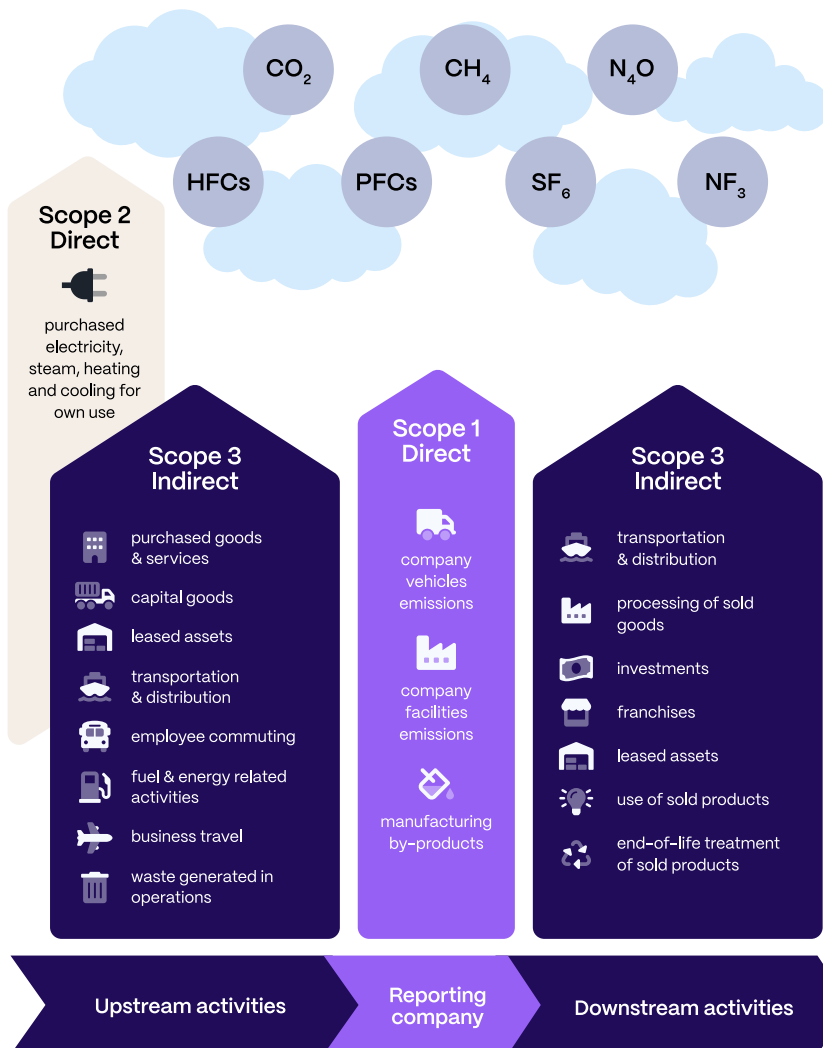
Keelvar's integration with Searoutes helps procurement teams track CO₂ emissions across all shipment modes – air, road, sea, inland water, and rail – and container types – containerized, bulk and breakbulk freight. The result? Better-informed decisions that balance cost and sustainability.

With emissions data automatically available in the bid sheet, buyers can compare suppliers not only on price but also on environmental impact — helping meet internal sustainability targets.

Key benefits

- Compare suppliers by emissions**
Evaluate bids on carbon footprint alongside cost.
- Support ESG and sustainability goals**
Provide reliable, auditable emissions data for reporting and compliance.
- Scope at item or bid level**
Choose lane-level or detailed bidder-specific emissions data.
- Automated enrichment**
No more manual entry — emissions data imports directly into the bid sheet.
- Scenario analysis**
Simulate greener outcomes and use emissions insights in supplier feedback.

Typical contributory factors to Scope 1, Scope 2 and Scope 3 emissions



The Searoutes integration with Keelvar is ideal for teams that:

- Are accountable for Scope 3 emissions
- Want to embed sustainability into procurement
- Handle multi-modal or multi-leg shipments
- Want to consider emissions in supplier selection

Requirements


- Org-level integration with API key, enabled once at org level by Keelvar CSM
- Bid sheet configuration – add Searoutes column to enable it on an event
- Data import – import the emissions data at the close of the round

Transport modes supported

This integration supports the following modes of transportation:

- Air
- Road
- Rail
- Sea
- Inland water
- Multi-leg trips (e.g. road → sea → road)

“ Logistics procurement is no longer just about price and service. With legislative pressure and ambitious corporate sustainability targets, it is imperative for shippers to understand the environmental impact of their procurement decisions. Keelvar is at the forefront of procurement optimization by integrating Searoutes carbon emission calculations to equip shippers with visibility to sustainability data and help them drive business to achieve sustainability goals.

– Jocelyn Hansen, VP of Sales  **searoutes**

About Keelvar

Keelvar is a global leader in sourcing optimization and autonomous sourcing, optimizing over \$100 billion in annual spend. Our innovative solutions help companies streamline procurement and improve supplier negotiations.

About Searoutes

Searoutes leverages modern algorithms and datasets to go beyond the standard methodologies. We provide CO₂e emissions for transport, and powerful routing engines, that accurately match the services operated by the carriers.