

CO2 Management Solution

Have you announced a target date for becoming carbon neutral?
Do you have visibility into your carbon footprint across your value chain?
Do you have actual real-time data at your disposal to manage your CO2 footprint?



The issue

Companies have committed to sustainability initiatives but have no way to accurately measure and report on their carbon footprint. This exposes them to regulatory and reputational risk should they be unable to reach their CO2 targets or be found “greenwashing”.

Key challenges



Limited understanding & transparency of emission data

- Hard to detect and analyze drivers of carbon footprint
- Limited visibility into achievement of carbon-related metrics
- Incorrect assumptions generated by anecdotal data

Manual processes

- Time consuming and inefficient
- Visualisations of carbon data lacking insights into triggering factors
- Error prone due to heavy usage of Excel spreadsheets
- Manual processes lead to lagging, aggregated data

Sustainability not aligned with strategy

- Key relations between raw materials, vendors, end products unclear

- Carbon reduction goals set independently of revenue, cost, and productivity targets deliver suboptimal results

Successful strategies for management



Investors, suppliers, customers, and employees demand corporations step up their sustainability game and treat carbon neutrality and profitability as equal targets. Our CO2 management solution empowers you to achieve both targets.

Clear understanding & full transparency of emission data

- Drill downs and root cause analysis to understand and manage CO2 footprint drivers
- Bottom-up view of CO2 footprint drivers
- Full transparency of process flows and associated costs of CO2 footprints

Smart, mobile and automated process execution

- Automated conversion of internal & external data sources into carbon emissions
- Smart & automated execution of recommended actions
- Suite of readily available APIs to connect to your IT landscape
- ESG management on-the-go with downloadable Apps for mobile devices

Sustainability and profitability targets aligned through execution excellence across the value chain

Business Objectives

Key Metrics

Improvement Opportunities

Reduce CO2 Emissions



Supply chain CO2 footprint
Product composition CO2
Production workflow CO2
Sales channel CO2 footprint

Supplier and vendor distance
Mode of transportation
CO2 from raw material use
Product mix
Production workflows
Operational planning

Increase Labor Productivity



Cost per Finished Good
Cycle time by function

Rework loops
Idle items
Rejected items
Supply chain disputes
Automation

Ensure Compliance



of cases where CO2 emissions per CO2 driver and in total below annual targets

of cases where CO2 emissions per CO2 driver and in total below quarterly targets

of annual non-compliance cases

of quarterly non-compliance cases

Sustainability reporting cost
Carbon credit trading

Dashboards with actual real-time data for decision-makers at their fingertips



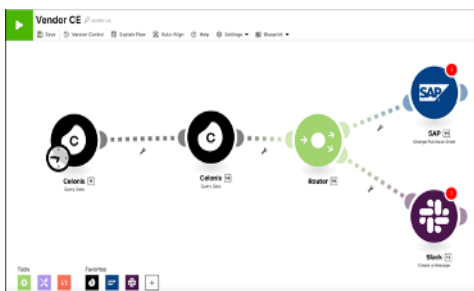
Executive Cockpit View

Executives can monitor and manage CO2 footprint against targets by function (procurement, production, sales), location, and product type and assess over a 5 -year trend analysis.



Procurement View

Procurement Managers can monitor and manage procurement processes from the dual perspective of cost and CO2 footprint, enabling results that consider both objectives. Production Managers and Distribution Managers use comparable tools for their respective functions.



Action Engine Signals

Action engine signals enable managers to execute on carbon reduction targets. The pictured signal recommends a vendor change that is executed in the underlying SAP system with an automatic trigger to sell carbon credits no longer needed.

Is it safe?

Our platform is hosted on the AWS business cloud so it is completely safe.

Why ESG Explorer?

We offer the highest level of quality and accuracy in CO2 operational management as we have teamed up with Celonis, an industry leader in execution management software. With ESG Explorer, you receive Partner-level Big 4 experience at a fraction of the cost.