Measure and reduce carbon emission in your supply chain

Sustainable Supply Chain Manager

The business challenge

Most of a company's carbon emissions come from its supply chain.

Companies face increased regulatory pressures to manage and reduce their environmental impact and meet public-facing sustainability goals. It is time-consuming to collect, calculate, analyze, and report all the source data and calculate standardized carbon emissions needed to comply with regulations and reporting. Many companies can only report carbon emissions after they occur due to time and resource constraints. Most sustainability and supply chain teams operate in silos, making it challenging to measure, track and improve sustainability performance. Companies lack the expertise and visibility across their supply chain to see the environmental impact of decisions, thereby missing opportunities to make adjustments that both improve operational efficiency and reduce carbon emissions.

The Blue Yonder solution

Sustainable Supply Chain Manager integrates carbon emissions modeling and optimization into supply chain applications. This integration allows for proactive and informed decisions, enhancing operational efficiency and reducing environmental impact.

Powered by best-in-class calculation methodologies and a comprehensive, certified emissions factors data layer with 80,000+ emission factors, the solution enables users to measure carbon emissions impact within the native planning and execution interfaces, both at the scenario level as well as granular transaction levels. The ability to visualize the carbon emissions enables you to evaluate trade-offs between sustainability and traditional supply chain KPI's and go beyond measurement to include carbon emission reduction as a plan optimization dimension within solvers.

Move from reactive to proactive decision-making with Sustainable Supply Chain Manager embedded in your Blue Yonder supply chain solution, leveraging the power of the Blue Yonder Platform to enhance and optimize supply chain operations while making progress towards company sustainability goals.

60%
of carbon emissions globally come from the supply chain.[1]

84%
of companies are OFF track to meet 2050 net-zero targets.[2]

40%
of global carbon emissions are addressable using readily available and cost-effective strategies.[3]

77%
of consumers would change brand loyalty to shop sustainable products.[4]

Sustainable Supply Chain Manager

Our new Sustainable Supply Chain Manager makes it easier for you to set up and use sustainability data to measure the carbon emissions impact on supply chain decisions during planning. Align high quality pre-configured and certified carbon emissions data with your supply chain activities. The sustainable data layer provides access to 80,000+ reliable and certified emission factors allowing you to calculate high-quality "activity-based" data and translate your procurement and transportation activity data into corresponding carbon emissions performance measures.

Automated emissions data collection

Automate calculations to facilitate direct reporting from carriers for full visibility of your logistics emissions impacts. Logistics carbon emissions measurement ensures report-ready transportation emissions measurements accredited by Global Logistics Emissions Council (GLEC), ISO 14083 Greenhouse gas, and European Sustainability Reporting Standards (ESRS) frameworks to ensure regulatory and audit-ready reporting.

Visualization Dashboards

Break down silos between supply chain and sustainability teams providing visibility and transparency to the sustainability impact during decision-making. Supports supply chain managers' ability to optimize and achieve results while making progress towards your carbon emission reduction goals. Identify hotspot by product, material, geography, routes and more to conduct root cause analysis.

Trade Off Analysis

Integrated end-to-end sustainability data modeling into supply chain management provides you with the tools needed to effectively meet supply chain business goals and achieve sustainability targets. Evaluate cost, lead time, transportation mode alongside carbon emission impact.

Streamline Emissions Management

Spend less time collecting, calculating, and verifying data with automated data collection. Compile data from multiple suppliers and logistic partners, eliminating manual process and enabling greater transparency.

Key benefits

- Enable accurate, actionable and integrated sustainable supply chain data
- Empower supply chain teams to consider carbon emissions impacts at the time of decision-making
- Reduce time and costs of data collection and compliance with GLEC-accredited reporting
- Improve sustainability performance with proactive plans to reduce carbon emissions

To learn more, visit blueyonder.com

Or

Schedule a meeting with our Sustainability Supply Chain Management Team

1. **Accenture 2023:** Unlocking net-zero emissions supply chain
2. **Accenture 2024:** Destination Net-Zero Report
3. **World Economic Forum 2021:** Net Zero Challenge – the Supply Chain Opportunity
4. **Blue Yonder 2024:** 4th Annual Consumer Sustainable Survey

BlueYonder