

Use Cases of Artificial Intelligence to decarbonize Products and Supply Chains

Josef Koloncsak

Who we are

Software-as-a-Service Company

- HQ Germany, Europe and US Teams
- 80+ employees
- 40+ enterprise customers
- €18m Series A in Oct 2022

We make it easier for

Enterprises to achieve **NetZero**, **accelerate innovation** and **de-risk supply chains** using AI, data and decision support

We're building a community of customers

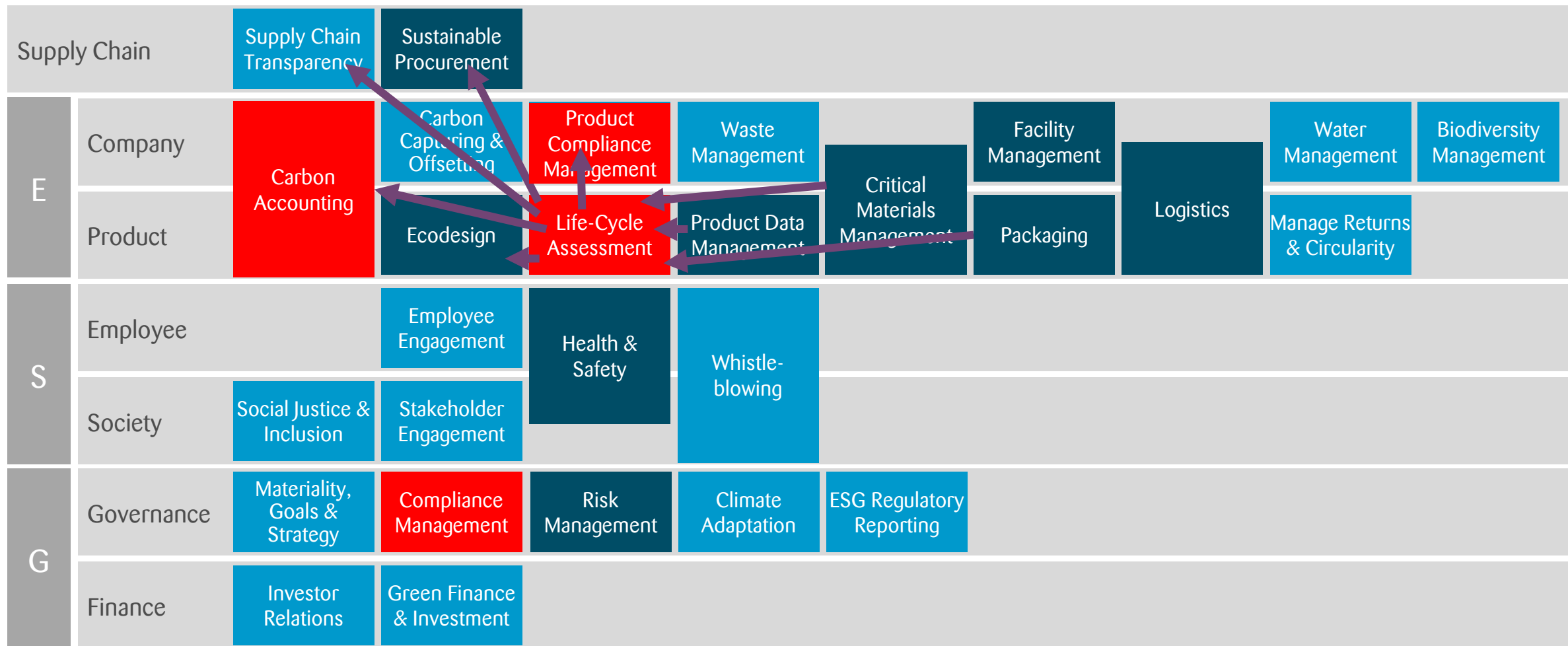


Recognized by



Beispiel
"Makersite"

Zühlke ESG IT-Tool Landscape



AI-Powered Product Lifecycle Intelligence

A new way to automate LCAs

Input data from
multiple systems

Multi-output reports, insights &
scenario analysis

Enterprise Systems

Supplier,
Product,
Material Data



Supplier, material
& industrial processes
Regulations
Sustainability
Risk & Cost

Largest Supply Chain & Material Database



Graph models

Algorithms



Machine
learning

Artificial
Intelligence



Compliance

RoHS
Reach
50+ global regulations



Cost

Top down should cost
Bottom up should cost
Target costs



Sustainability

LCA / PCF / EPD
Scope 3



Supply Chain Risk

Transparency
Real-time risks

Embedding Sustainability at Design Stage



LCA from months to minutes

Increased accuracy, transparency & representativeness of results

transformed their LCAs from directional modeling to a supply chain-specific environmental impact accounting process



Kelly Stumbaugh
Snr Manager, Devices,
Ecodesign & Ecolabels

[With Makersite] We are efficiently scaling up our LCAs so our engineers can focus on designing the best and most sustainable products instead of only focusing on disclosures.

Meeting Customer and Regulatory Demand

BARCO

LCA from months to minutes

Sustainability to increase sales

Leveraging EU Taxonomy



Madeleine Vandenabeele
Environmental
Sustainability Engineer

Working with Makersite, we've tackled our data challenges head-on at Barco, stepping into a new phase of data focused sustainability and ecodesign.

We're linking our products with thorough supply chain data and setting up automated LCAs and PEFs. It's a game-changer in how we meet rules and share our environmental progress.

Decarbonising Supply Chains

SCHAEFFLER



Dr. Michael Kobes
Manager Sustainable
Products & Advanced
Materials

By teaming up with Makersite, Schaeffler can run ad-hoc automated analyses of environmental impacts from various supply chains in scope, e.g. for use of materials.

Together, we are able to compare different product scenarios from a sustainability perspective.

Automated “What-if” scenario analysis of supply chain choices

Supply chain changes improving Scope 3 Category 1

100x+ reduced time to action

Reducing Emissions



Eleanor Jeffrey
Sustainability Manager

Now (with Makersite) we can map the carbon footprint of our packaging and ingredients to every SKU - previously our emissions profile was nowhere near this granular.

We also have the ability to model the emissions impact of decisions we could take before we actually take them, which has helped speed up our decision-making and will prove to be extremely valuable as we find new ways to reduce GHG emissions whilst Pukka (Lipton) grows.

LCA from months to minutes

Sustainability to increase sales

Reduced packaging CO2 emissions by 58%

The Benefits of this Approach

Multi-criteria insights for 100x faster decisions

CO2, recycled content, regulatory compliance, supply chain risk in one platform to enable trade-off decisions with integrated BI tools for your entire portfolio

Speed

Automated Reporting that meets customer & regulatory demands

Easily deliver reporting and analytics to multiple teams including compliance reports, CBAM, EPDs, PCFs, Scope 3, forecasts

Reduced waste

Leverage sustainability as a business driver

Leverage the actionable data foundation to identify business opportunities across financial benefits through EU taxonomy or ESG, increase market share and improve brand reputation

Better outcomes



Ready to learn more?

www.makersite.io

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