

Environmental Impact Services

Quantify. Understand. Report. Reduce

Purpose

The Environmental Impact Services enable companies to quantify and understand the environmental footprint of operations and products, certify and report key metrics to stakeholders and build a climate transition plan to reduce environmental footprint. As a technology provider into the food and mobility industries, Bühler offer the unique combination of process knowledge and quantification to build tailored sustainability solutions.

We **simplify** your sustainability journey!

1

Quantify your CO₂e footprint across all scopes in the Greenhouse Gas Protocol and gain transparency of environmental impacts in the value chain.

2

Understand the key levers to reduce your company CO₂e emissions, value chain emissions and reporting requirements.

3

Report your results credibly with independent third-party certifications and communicate results to investors, customers and consumers.

4

Reduce your footprint by optimizing existing assets, taking data-based decisions comparing USD/tonne per CO₂e reduced and build your climate strategy.

The key advantages/benefits of our service:



Cost reduction

Reduce your footprint and save cost by optimizing energy consumption and yield



Abide by the law

Reporting GHG emissions is becoming mandatory in many countries.

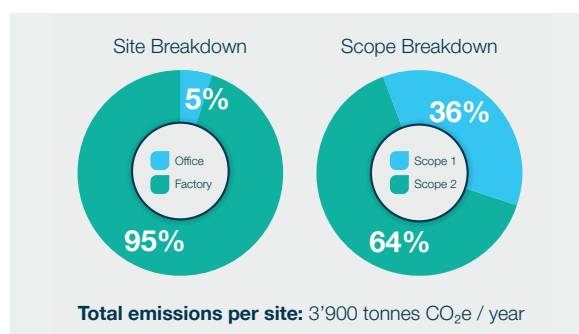


Increase sales

Studies show that consumers are more likely to buy products labelled with Sustainability information.

Site assessments

A site assessment provides a comprehensive overview of Scope 1 and Scope 2 CO₂e emissions in accordance with the Greenhouse Gas Protocol. Using both primary and secondary data, you can understand the CO₂e footprint of your manufacturing processes and generate key values such as absolute emissions per year and emissions per tonne of product. You can also certify these assessments (for example to ISO 14064), learn about reductions methods and quantify your scope 3 footprint.

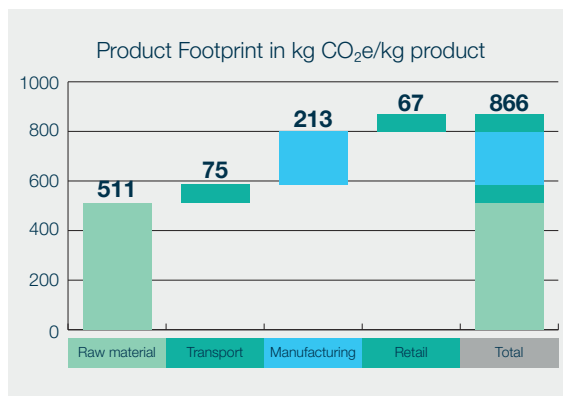


Product assessments

Product assessments follow the international standard ISO 14067, and provide the CO₂e emissions per tonne of product. The assessment includes the impact of raw materials, manufacturing steps, and logistics.

Product assessments are a selling point to companies who have committed to Net 0 emissions under the SBTi initiative.

You can also certify these assessments, use them to engage your supply chain, and learn about reduction methods across the value chain.



Customer feedback from Hemelter Mühle



We supported Hemelter Mühle by:

- Quantifying **product CO₂e footprints** of flour and bran from the farm, into wheat storage, wheat logistics, milling, and flour logistics
- Providing a comparison of **different logistics methods** including lorry, rail, and ship
- Quantifying site CO₂e footprint of the Spelle site in Germany
- Providing an impact analysis of CO₂e neutrality and purchase of renewable electricity

The Bühler team provided us with extensive insight into the details and particulars of the calculation, so that the subsequent evaluations were always comprehensible and transparent for us as non-experts in this field. This enables us even today to answer our customers' questions about our results with ease.

– Jan Cordesmeier, CEO of Hemelter Mühle



Customer feedback from Epiphany malt



We supported Epiphany Malt by:

- Quantifying product CO₂e footprint of barley production, barley logistics, malting, and distribution logistics
- Providing a breakdown of the barley agriculture emissions
- Estimating water and land use of raw materials
- Offering an overview and know-how to accompany Epiphany in its pathway to CO₂e neutrality and support in purchasing of carbon-credits

The assessments performed by the Bühler team gave us a comprehensive overview of our impact and the main leverages to reduce it, both within our operations and by engaging with our value chain. The partnership with Bühler is and will be essential to support us in achieving our sustainability targets.

– Sebastian Wolfrum, Founder of Epiphany Malt



Book a 1:1 with
our experts online



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