







Bühler is part of the everyday life of billions of people



Innovations for a better world – our normative framework Balancing the needs of humanity, nature, and economy

Nature

- Use resources sustainably
- Protect nature
- Support biodiversity

Economy

- Sustainable profitable growth
- Enabling business growth of partners and customers

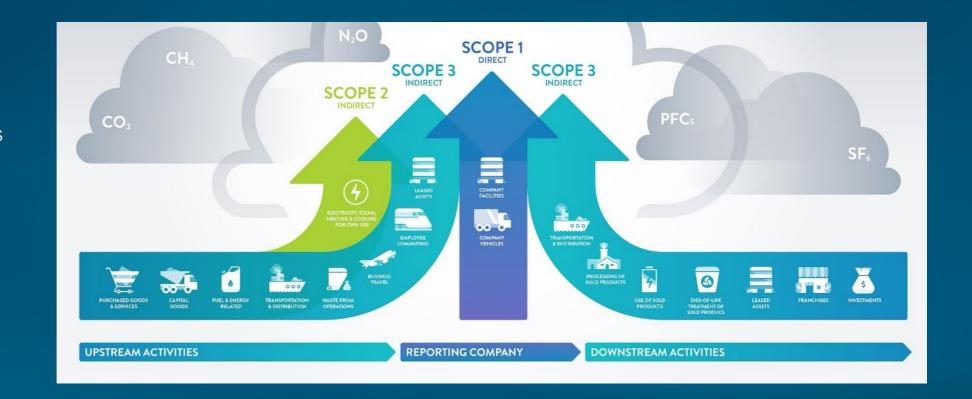


Humanity

- Affordable nutrition
- Sustainable mobility and living
- Education and job creation
- DE&I across value chain

Two main concepts of CO2e calculation

GHG Protocol /
ISO 14064:
Company emissions
per year
CO2e only



LCA/ ISO 14067:

Product emissions over the life cycle other metrics than CO2e also possible

Raw materials Processing Distribution Utilisation End of Life

Bühler's CO₂e footprint

The biggest impact comes from supporting our customers to achieve their climate goals



Scope 3 up and downstream

Purchased goods and logistics 772,000 t CO₂e

Scope 1 and 2 Scope 3 downstream

Own operations 58,680 t CO₂e

Use of our products

The total CO₂e emitted through the use of Bühler solutions installed at customer sites is many magnitude greater than the emissions from Bühler's own operations

* CO₂e quantification following Greenhouse Gas Protocol (GHP) with 2019 as baseline

Our sustainability commitments in nature

Focus on Customers



We support our customers to measure and reduce greenhouse gas emissions following science-based targets.

-50%

We will have solutions ready to multiply by 2025 that reduce energy, waste, and water by 50% in our customers' value chains.

Focus on Bühler

-60%

We have developed a pathway to achieve a 60% reduction of greenhouse gas emissions in our operations by 2030.

(Greenhouse Gas Protocol Scope 1 & 2, 2019 baseline)



We proactively collaborate with suppliers to reduce climate impacts throughout the value chain.

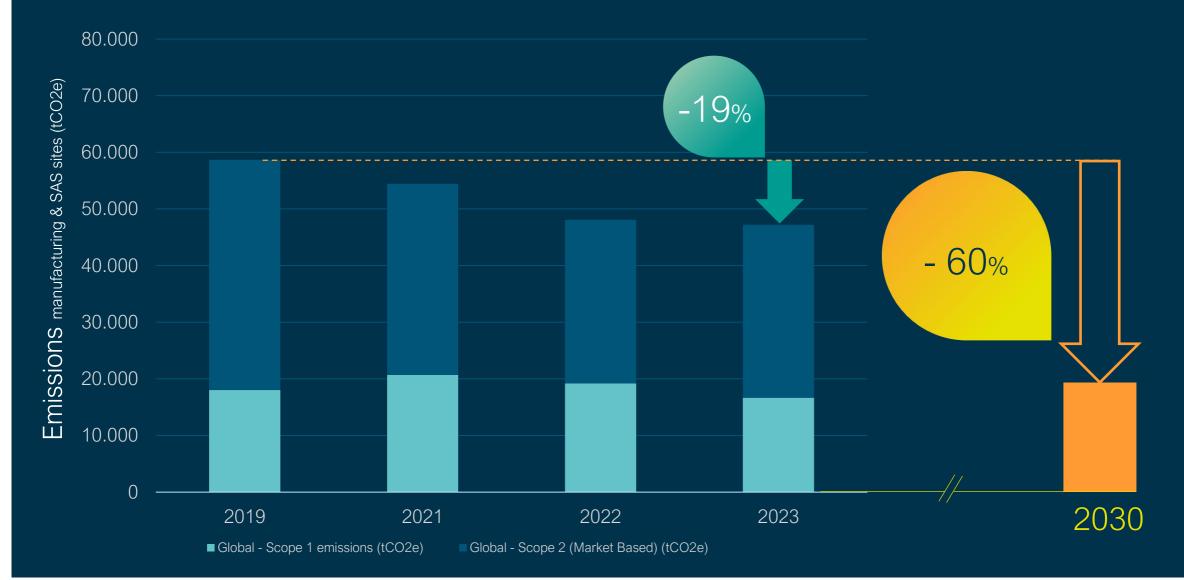
Focus on Partnerships

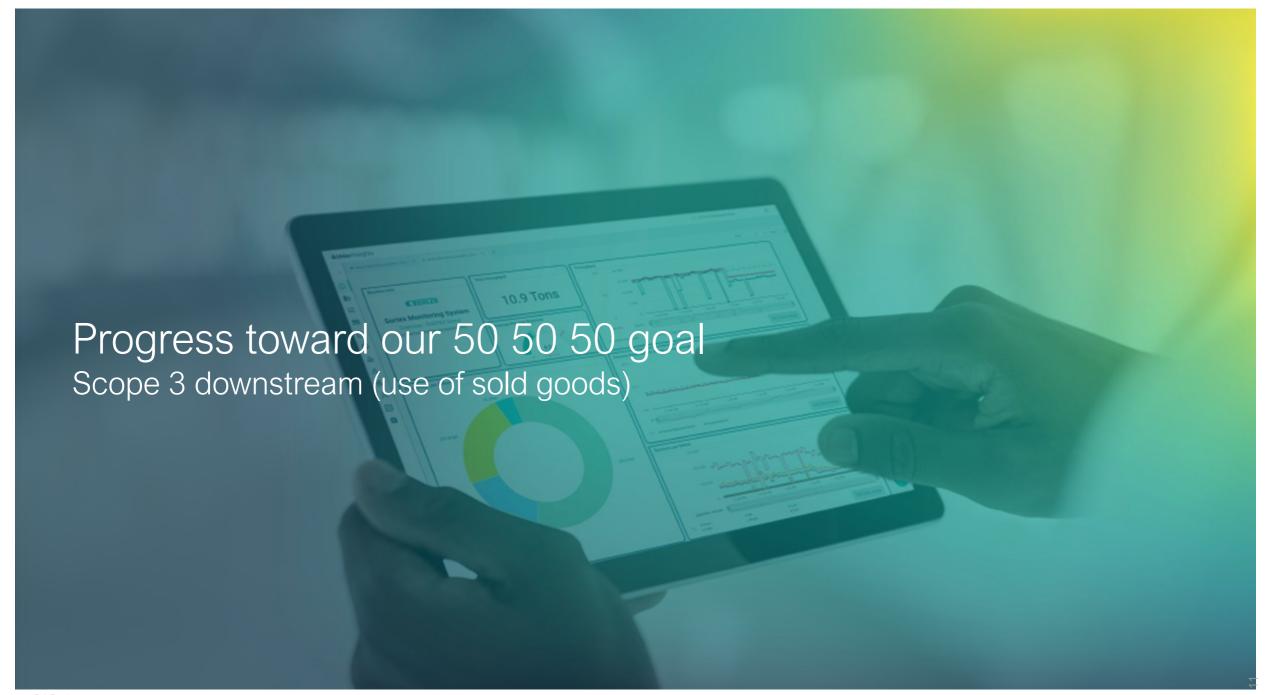


We protect and restore biodiversity.



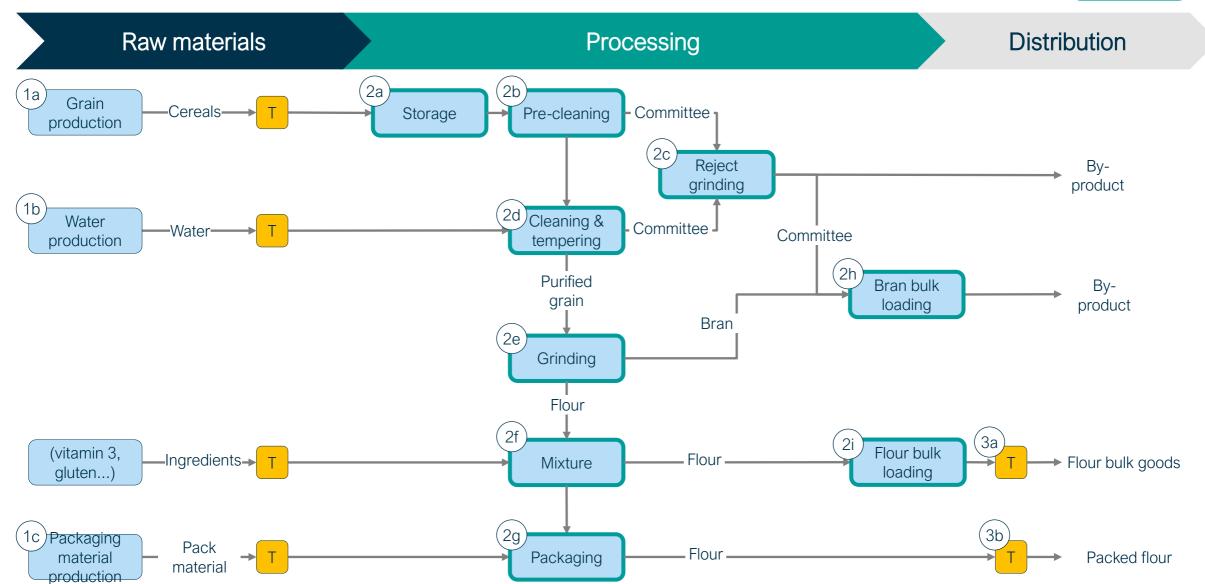
We are on track to reach our 60% reduction target by 2030 19% reduction already achieved by 2023 (market based, 2019 baseline)





Process flow diagram for wheat flour production





L BUHLER

Nachhaltigkeit in Industrieprozessen | Silvan Trunz | 28.08.2024

We focus on innovations for sustainability We quantified the sustainability impact of over 70 technologies and services







-10%

Energy

 -205^{1}

t/year CO₂e Through yield increase

Circular economy

-50%²

Waste

-649¹

t/year CO₂e -40%³

Energy

 -510^4

t/year CO₂e



CO₂e emissions



Water depletion



Agricultural land use



Circularity



SDGs

¹ Based on a throughput of 135,000 tons per year | ² More raw material production through reduction of false rejects in sorting process | ³ In the Carat 400 Die Casting cell | ⁴ Based on throughput of 4,000 tons

With our Environmental Impact Services, we support our customers to measure and reduce their GHG emissions and product footprint

Key benefits



Measure environmental footprint GHG and product life cycle assessment

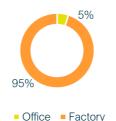


Report and communicate With 3rd party certifications



Reduce footprint Leveraging Bühler value services

Site breakdown



Scope breakdown



Total emissions per site: 3,890 ton CO₂e/year

Product footprint

















Sustainability organized at Bühler



How to start?









1. Proper maintenance

2. Measure and display

3. Retrofit

BUHLER

INNOVATIONS FOR A BETTER WORLD