



GoodMills Group

„Nourishment for a better,
plant-based future”

March 2023



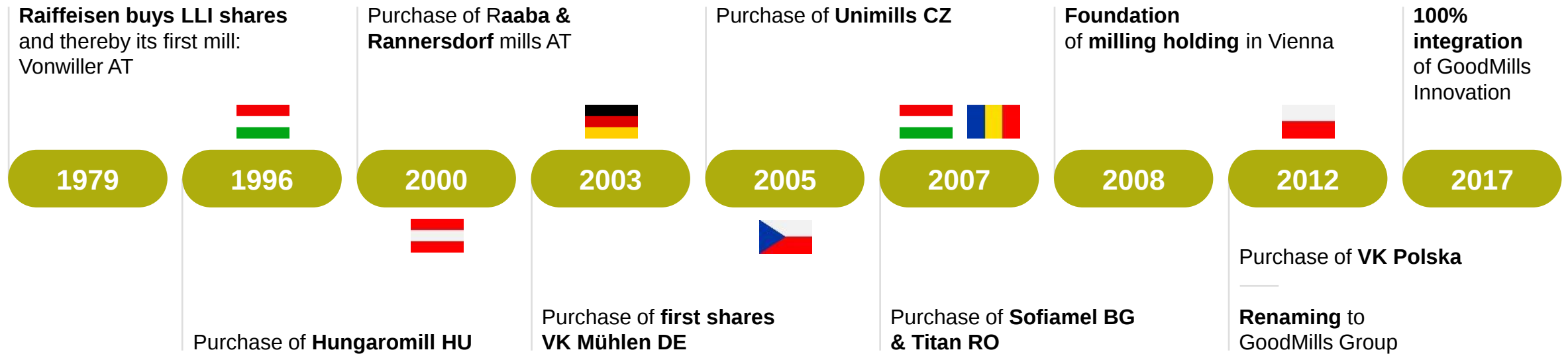
This is GoodMills!

- *Video Sequenz abspielen – „Wir sind Goodmills!“*



About Us | Company History

In 1979, the first steps towards creating The GoodMills Group were taken...



...Today the GoodMills Group is the leading milling company in Europe

7 Countries



24 Mills¹



1,549 Employees



~ 3M tons of Grain



~ €1,275M Turnover



**GoodMills Group
by 21/22**

1 Including the rice and pulses mill of Müller's Mühle and GoodMills Innovation



What do we do?

Our product range stretches

from traditional flour, to specialty flour, customer-specific mixtures, functional flour, and many more

Food Industry



Bakery products



Innovation



Retail Products



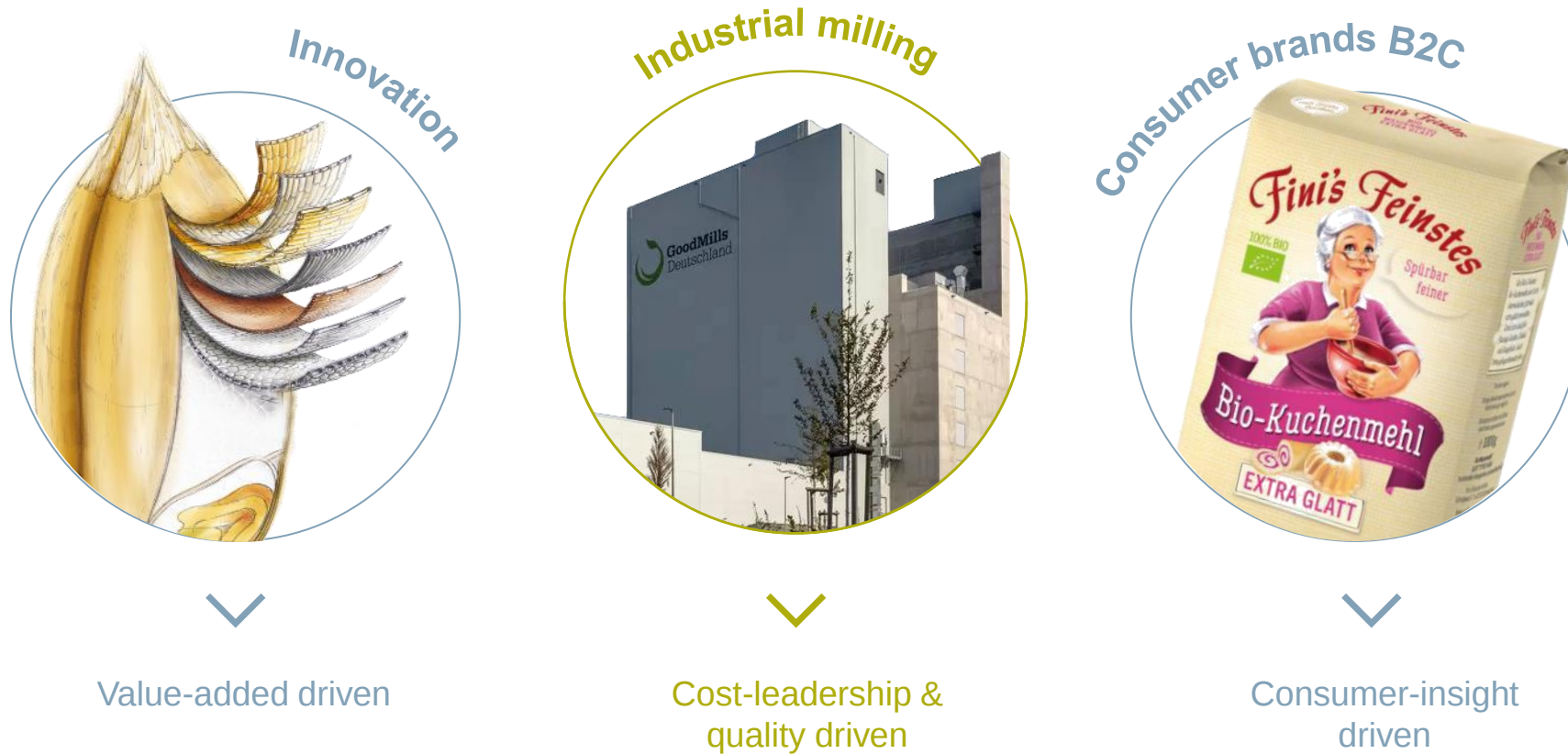
Durum Semolina



Organic Flours



We focus on 3 major areas, commodity being our DNA – innovation & brands our accelerators



Industrial milling is the core of the GoodMills Group and the source of our expertise



Highly advanced grain sourcing methods and processes to anticipate and optimize (future) purchases



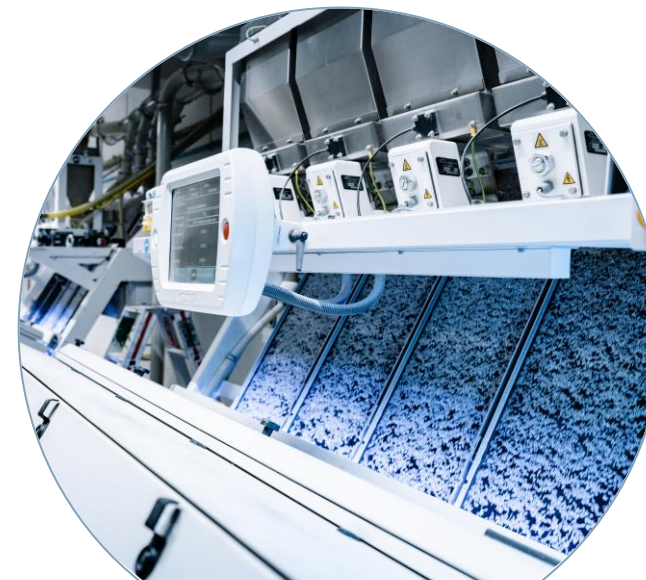
Through **production samples**, additional analysis and R&D activities new product varieties are constantly developed and improved



Using data and analysis for **continuous improvement in the milling process**



Customer-tailored product solutions for large industrial clients to safeguard long-lasting relationships



Goodmills Innovation is the innovation and R&D unit of the GoodMills Group



Innovation enables offering a constant improved quality, higher productivity and reduced costs



Focus on research, development and production of functional grain-based specialty ingredients



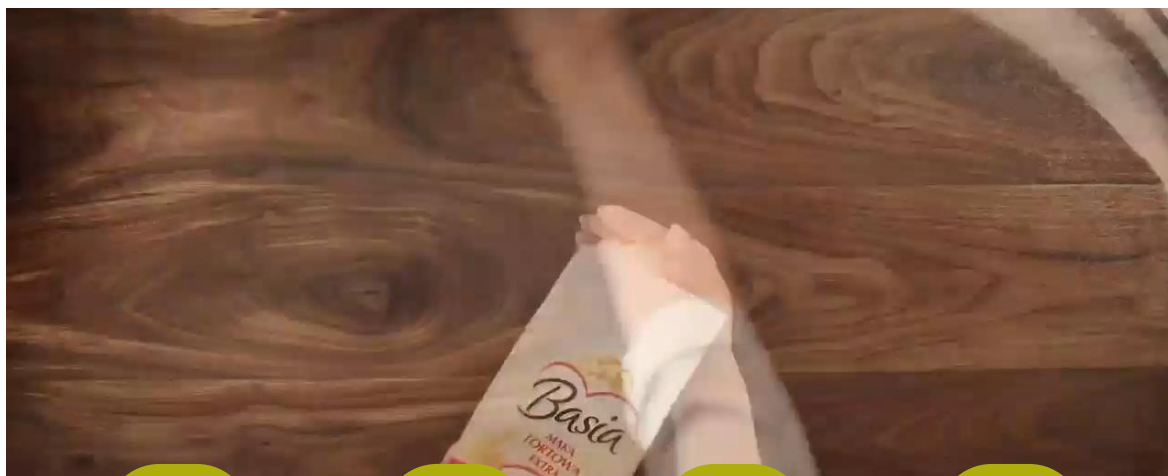
Innovation is embraced as a **general and holistic approach** in all areas of the business



Innovation **helps drive the industry and strengthen the corporate brand**



The GoodMills Group is a major player in the B2C segment via its consumer brands



**Profitable
drivers** of
flour category



Highest
spending for
**TV
advertising**



Most
renowned and
desired by
**household
flour users**



**Widely
distributed**
within modern
and traditional
trade





Where are we present?

The GoodMills Group operates 24 mills in Central Europe



GMD mills snapshot... An energy saving journey with Siemens as our partner



Aurora Mill Hamburg

Yearly capacity: 265.000 Tons
Wheat, Rye



Frankfurt Mill

Yearly capacity: 140.000 tons
Wheat, Germs, Bran



Mannheim Mill

Yearly capacity: 180.000 Tons
Durum + CousCous & Bulgur



Schüttmühle Berlin

Yearly capacity: 160.000 Tons
Wheat



Krefeld Mill

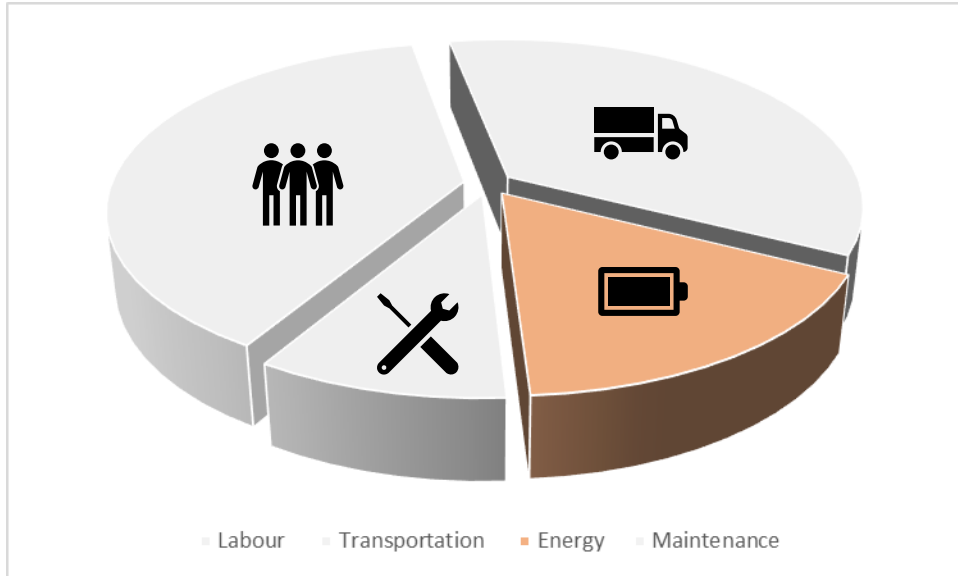
Yearly capacity: 420.000 tons
Wheat, Rye



Rosenmühle Ergolding

Yearly capacity: 220.000 tons
Wheat, Rye, Coarse whole meal

Ausgangslage: Energie ist mit 17% unser drittgrößter Kostentreiber



EEG-Umlage

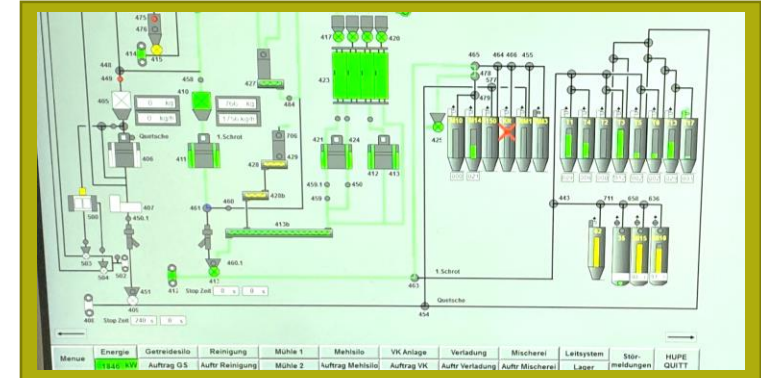
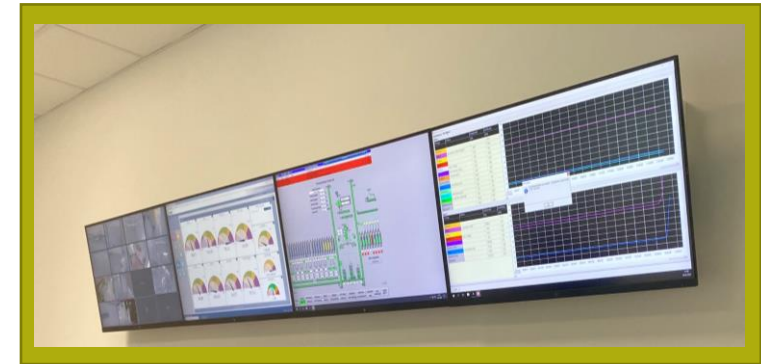
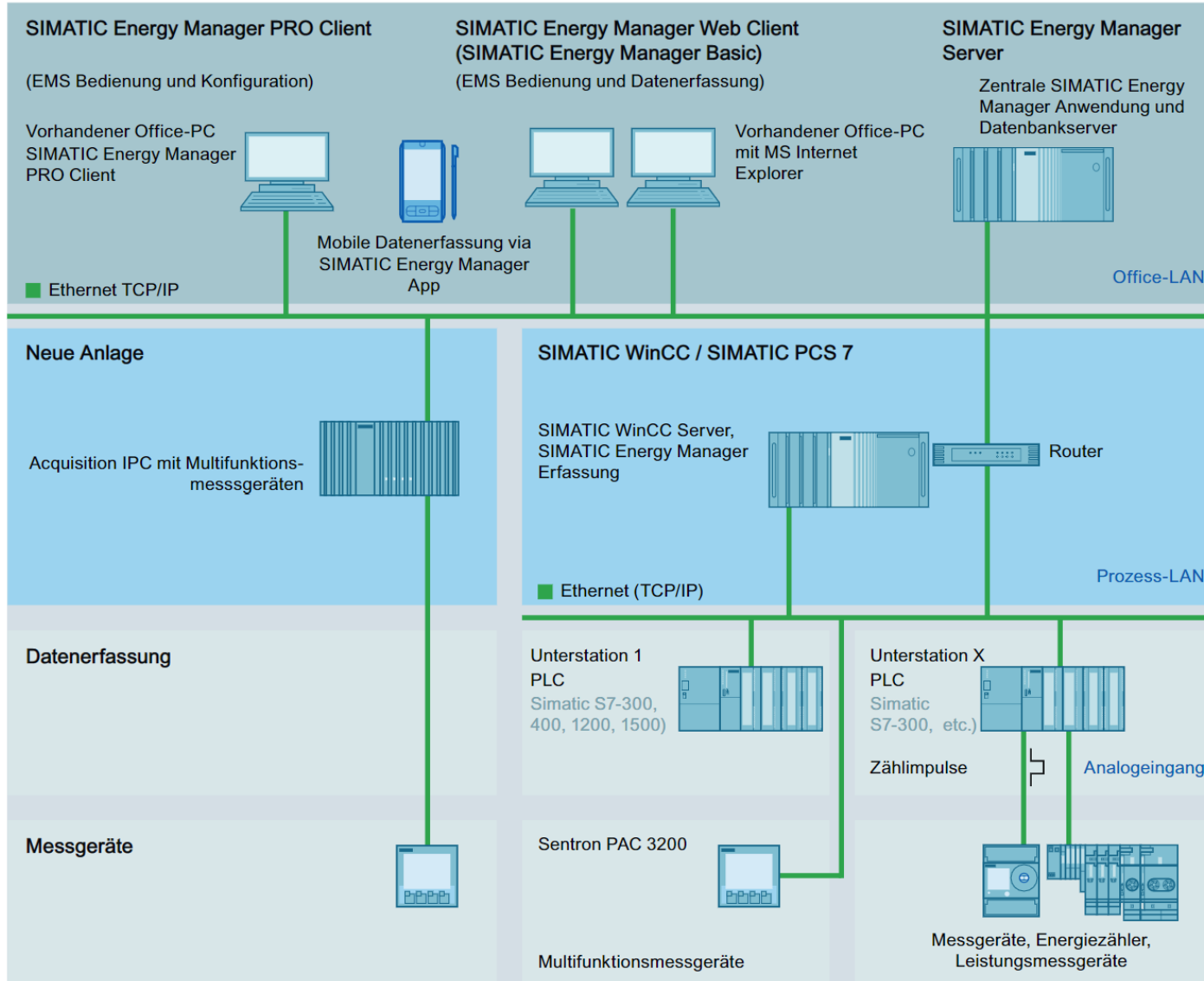


Großhandelspreise für Strom für das Kalenderjahr 2023 (Baseload)

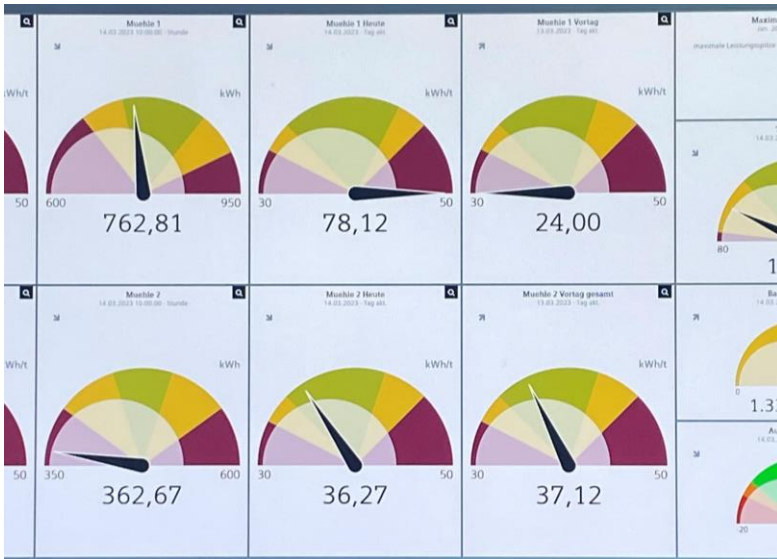


Quelle: EnBW

Interface Siemens EMPro – Mühle Konzept



Maßnahme 1: Realtime grafisches Dashboard in der Produktionswarte



1: Awareness: Energieverbrauch wird transparent in den Fokus gebracht

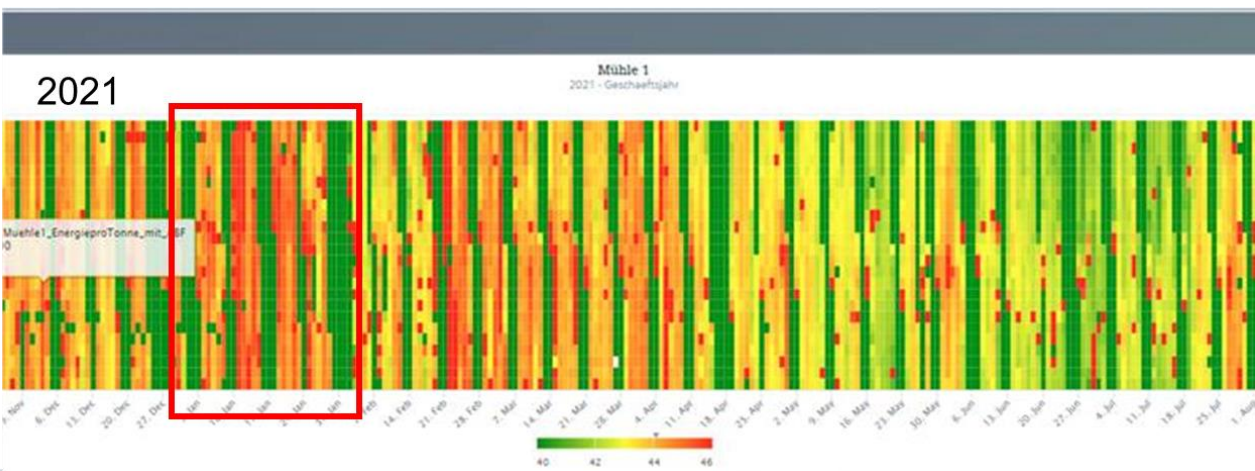
2: Close loop: Wesentlicher Indikator für Prozessintegrität

3: Predictive Maintenance: Maß für Instandhaltungs-Timing

Maßnahme 2: Energie Performance durch Heatmap Analyse

Heatmap Darstellung Periode 2020 -2021

Aurora Mühle Hamburg Mühle 1 :



1: Erkennen von Trends:
Hier konkret den
Druckaufbau im Verlauf der
Standzeit

2: Zahlen / Daten / Fakten
orientierte KPV-Prozesse

3: Realtime check ob
Verbesserungen eintreten

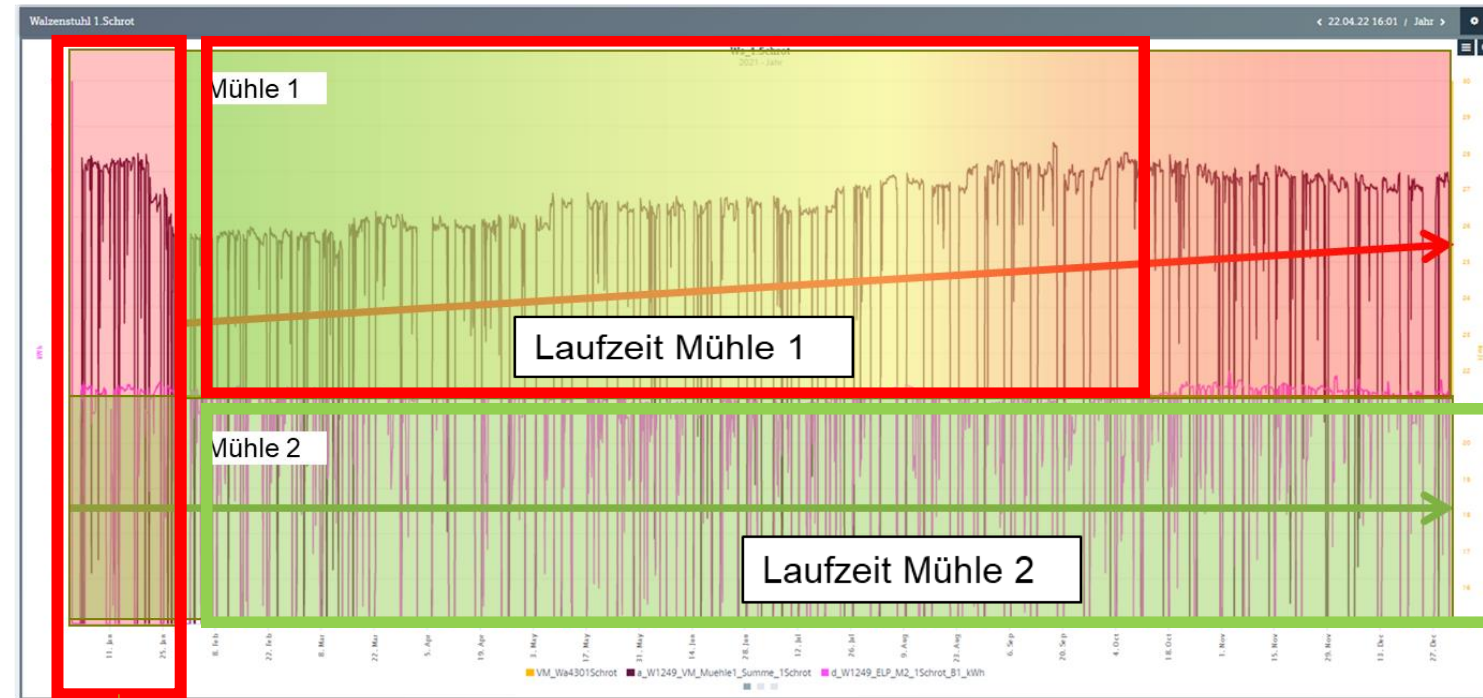
Maßnahme 3: Langzeit Walztype Performance Vergleich



Videosequenz: Milling

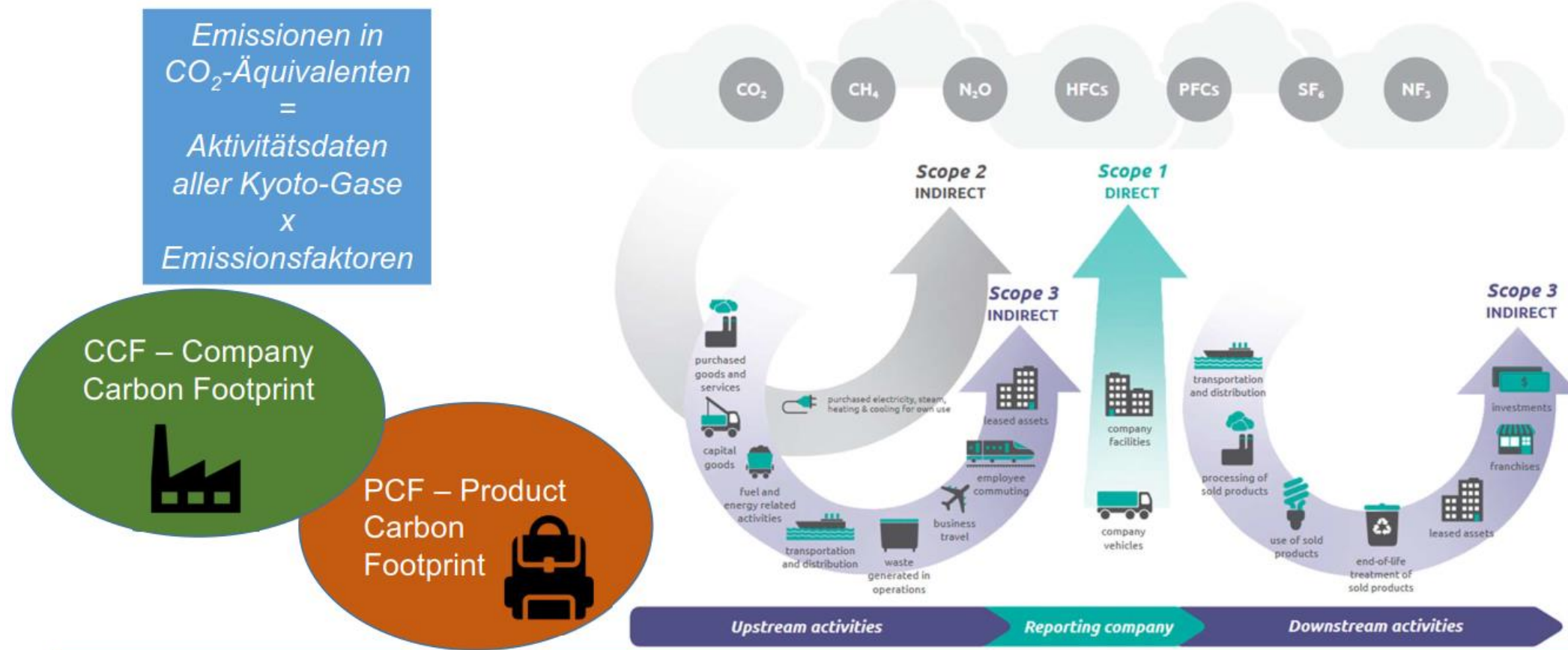


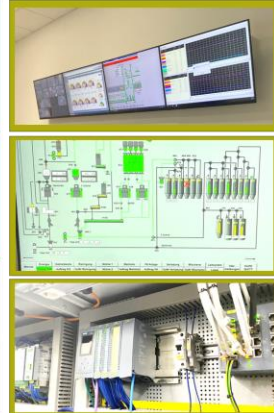
kW usage 2021 @ B1. Passage
Comparing mill 1 with Mill 2 (TITAN Walzen)



Walzenwechsel

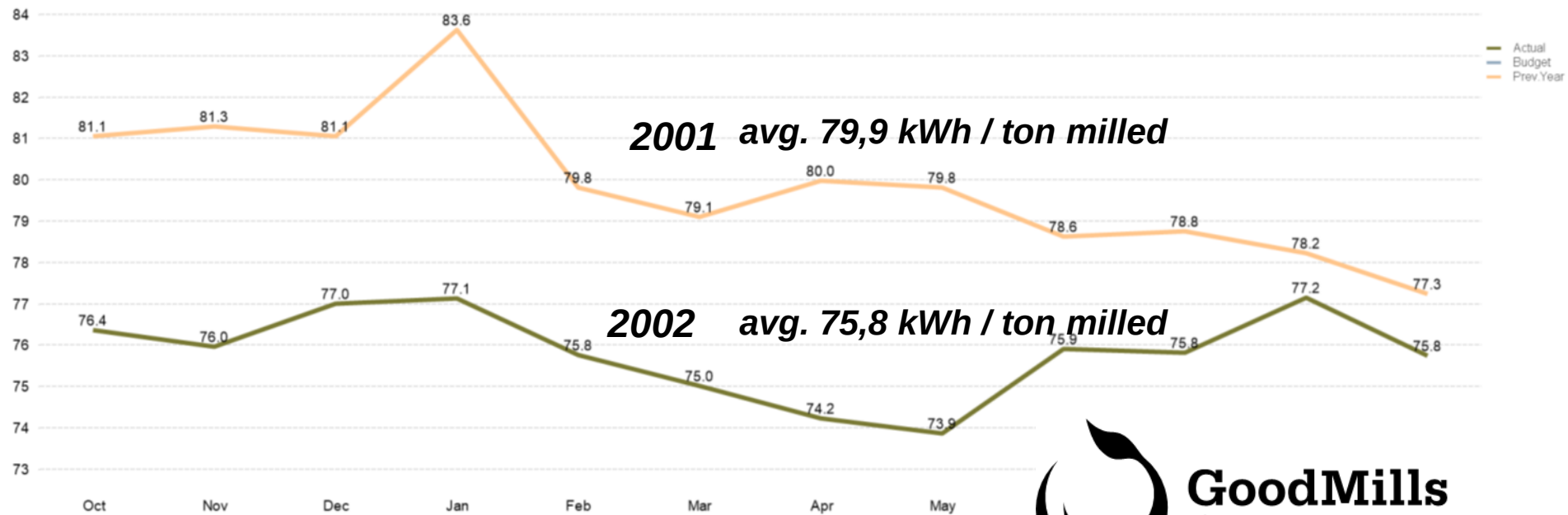
Sustainability: Digitale Lösung für Automatisierung in CO2 Footprinting und Erfolgstracking





Von 2021 auf 2022 wurde eine Einsparung von 4,1 % kWh/ton milled erreicht

KWh / to milled - YTD - Germany



SIEMENS



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www.goodmills.com