WACKER

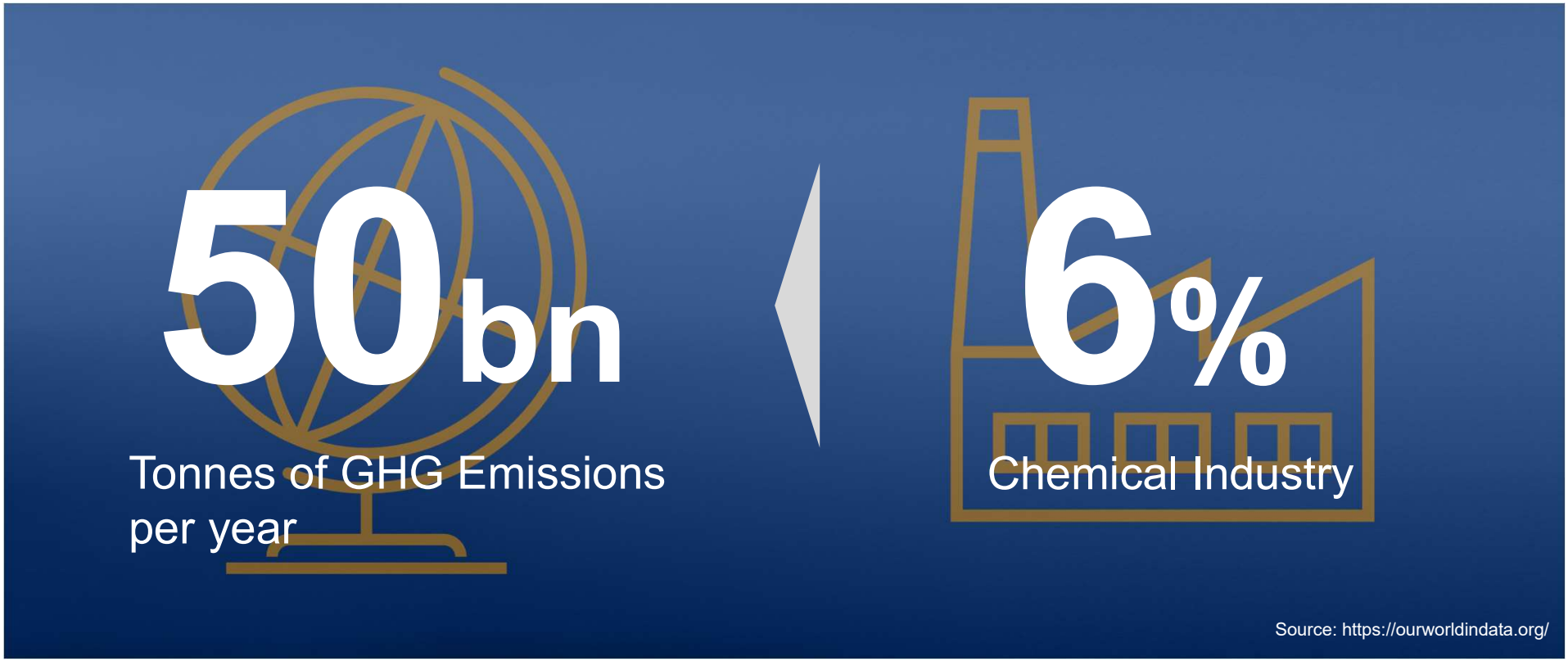
CREATING TOMORROW'S SOLUTIONS

OUR SOLUTIONS
MAKE A BETTER WORLD FOR GENERATIONS

Sustainability @ WACKER – Making Net Zero Happen

Dominik Auer, CSI 2024, May 2024

Chemical Industry with Huge Impact on Global Greenhouse Gas Emissions



Climate Neutrality Requires Exiting the Fossil Fuel Era

Fossil Age

- Energy from oil/coal/gas
- Fossil feedstock for chemical products: Oil, gas

Electricity Age

- Energy from renewable sources
- Renewable feedstock: CO_2, biomass, recycling

Clear Focus on Enabling Technologies and GHG Reduction

WACKER as Enabler

WACKER as CO_2 Emitter

Value UP

Footprint DOWN

Collaboration BEYOND

SustainaBalance®: Clear Strategy with Ambitious Targets Until 2030

Value UP

By empowering our teams, we enable our **customers** to provide **more sustainable solutions**.

100 % Products meet sustainability criteria

Footprint DOWN

We create **efficient** and safe **processes**, use resources responsibly, avoid waste and **minimize** our **footprint**.

50 % Reduction in absolute GHG emissions

Collaboration BEYOND

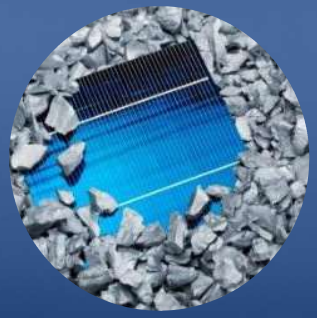
As a contributing member of society, we strive for a **sustainable value chain** together **with** all our **partners.**

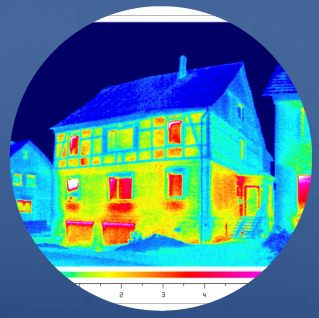
100 % Key suppliers meet sustainability standards

Value UP

WACKER Enables Customers to Reduce CO_2 and Save Resources

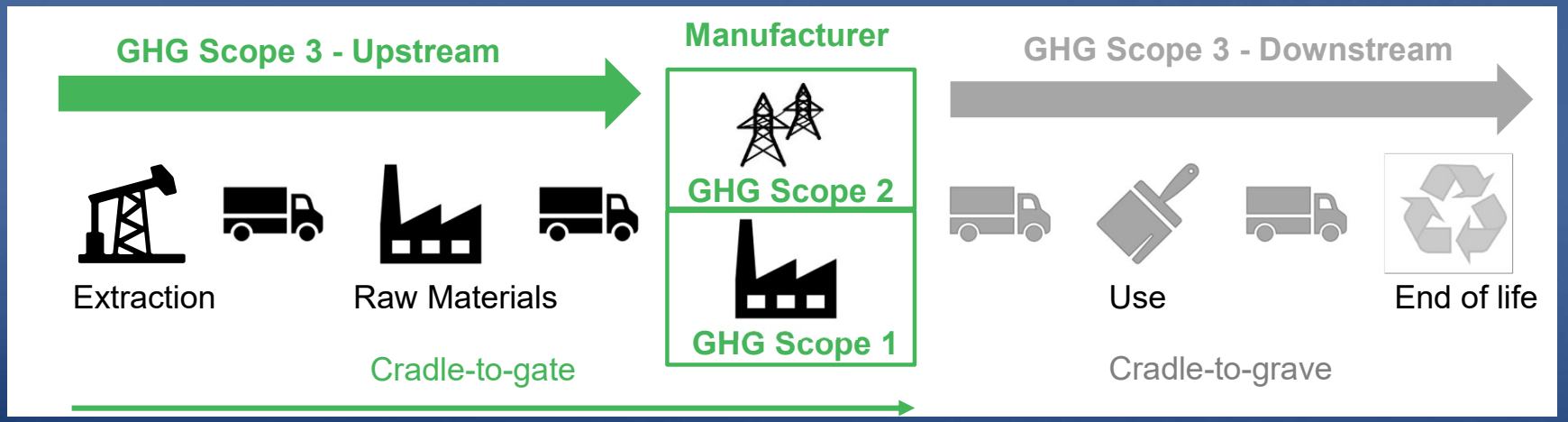
WACKER products for CO_2 abatement and resource saving






Already 2/3 of Sales with resource saving technologies

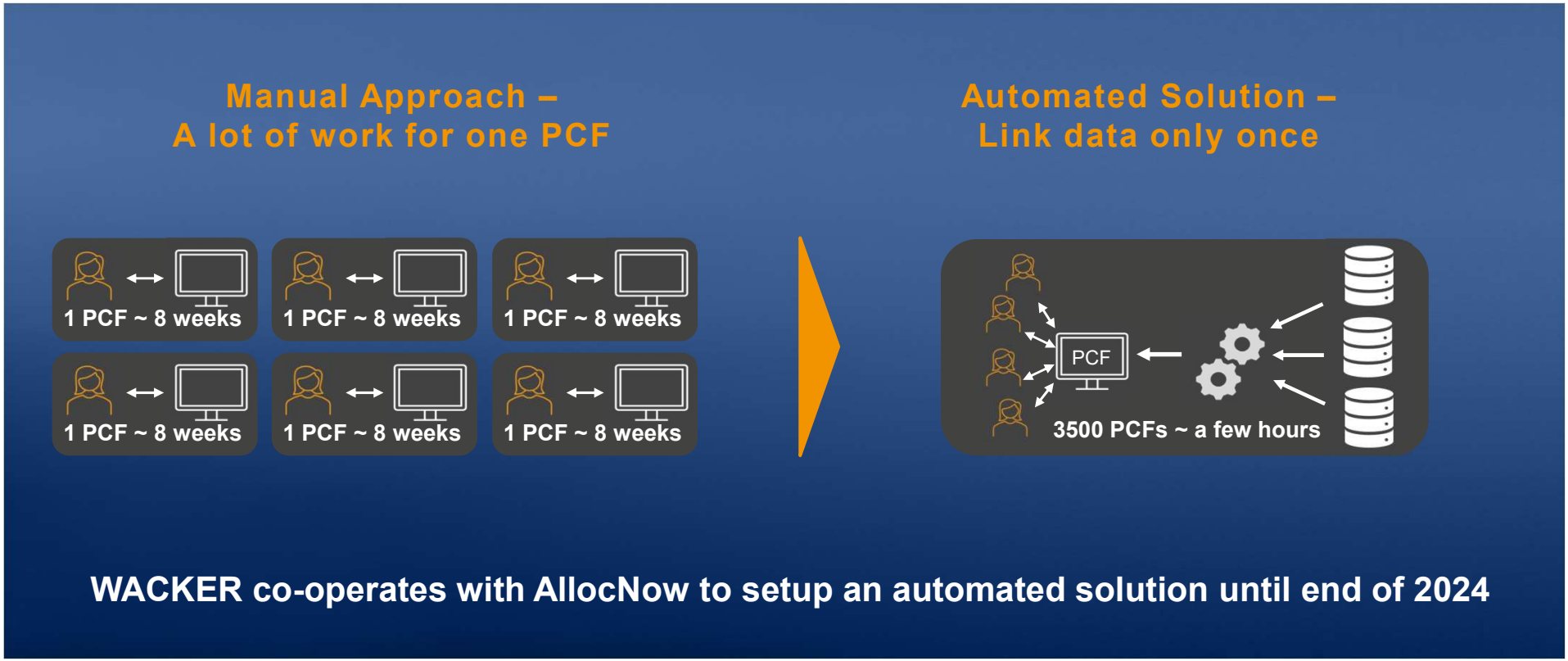
The TfS PCF Guideline Provides Guidance how to Calculate cradle-to-gate PCFs



- Based on ISO, GHG, and sector-specific guidance of WBCSD
- Developed in consensus by 50 chemical companies
- Available open source
- TfS currently works on a data sharing platform for suppliers

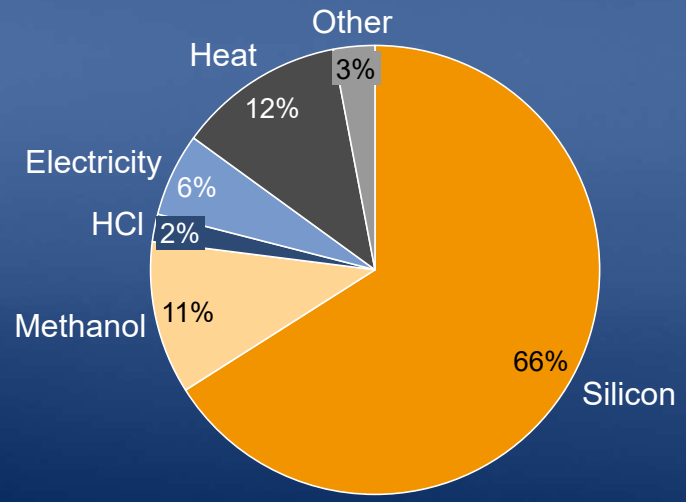
Download at
www.tfs-initiative.com

Product Carbon Footprint – From Manual Work to Automated Generation



Impact Drivers of Silicone's Carbon Footprint Allow Clear Reduction Strategy

Typical Carbon Footprint* of Polydimethylsiloxane



PCF : 6 – 8 kg CO_2e/kg

- Carbon footprint is dominated by raw materials (silicon metal and methanol)
- Impact by hydrochloric acid (HCl) is small, as European producers have only small losses (effective integrated production)
- Contribution by heat production is twice as high as contribution by electricity

*Source: https://www.siliconescarbonbalance.eu/

Footprint
DOWN

Our Clear Commitment to Paris

50% Reduction in absolute GHG emissions by 2030

25% Reduction in absolute upstream GHG emissions by 2030

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

100% Net Zero by 2045

14th chemical company worldwide with validated Net Zero target

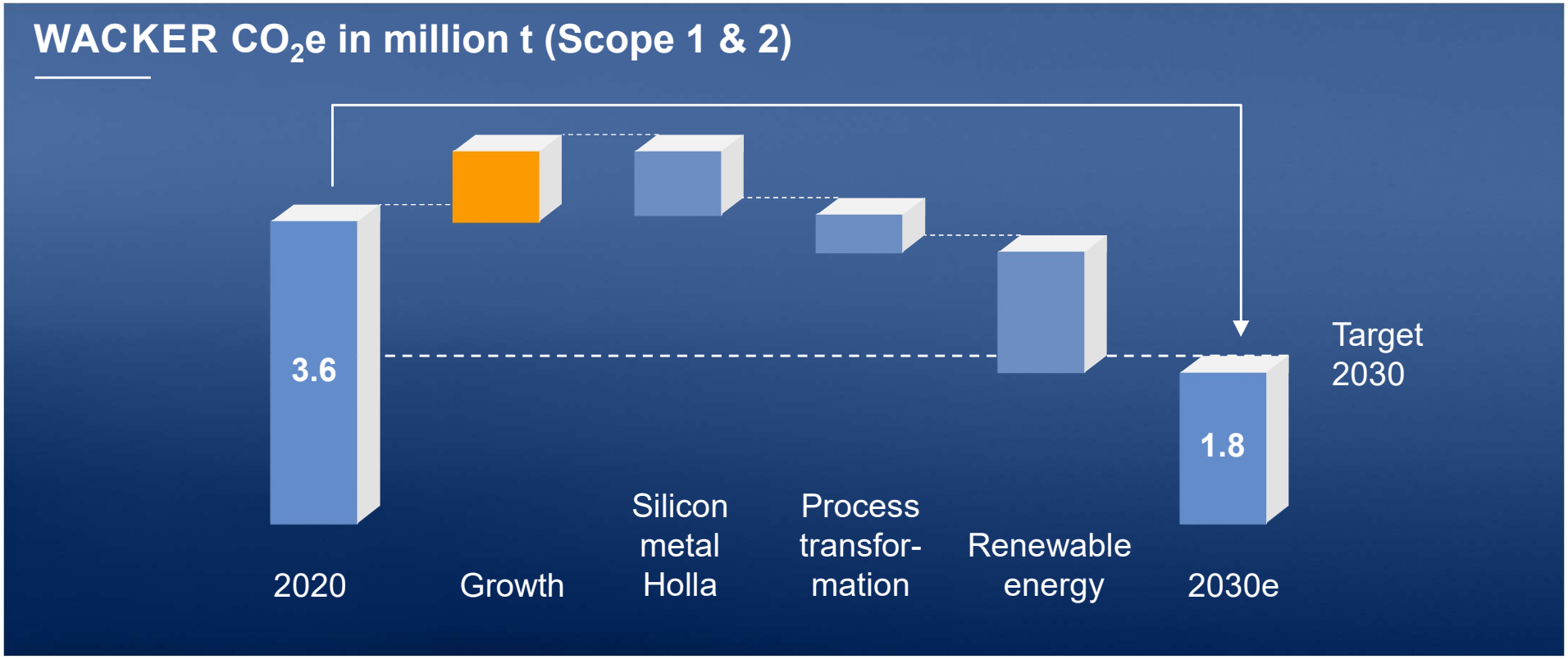
Net Zero by 2045
Because We Care

RACE TO ZERO

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

THE NET ZERO STANDARD
APPROVED NET-ZERO TARGETS

Pathway for Absolute CO_2 Emission Reduction



Top Challenge: Reduce CO_2 Emissions in our Silicon Production

Green Silicon, Holla

- Switching from fossil coal to biocarbon as reductant
- Piloting carbon capture as of 2023

Work Relentlessly on Process Transformation and Energy Efficiency

Process Transformation

- Planning of first heat pumps in Burghausen and Nünchritz
- Drive in the entire organization through sustainability budget, supporting smaller projects
  - >140 kt CO_2 reduction

Renewable Energy is Key – Our Processes Are > 70% Electrified

Renewable Energy

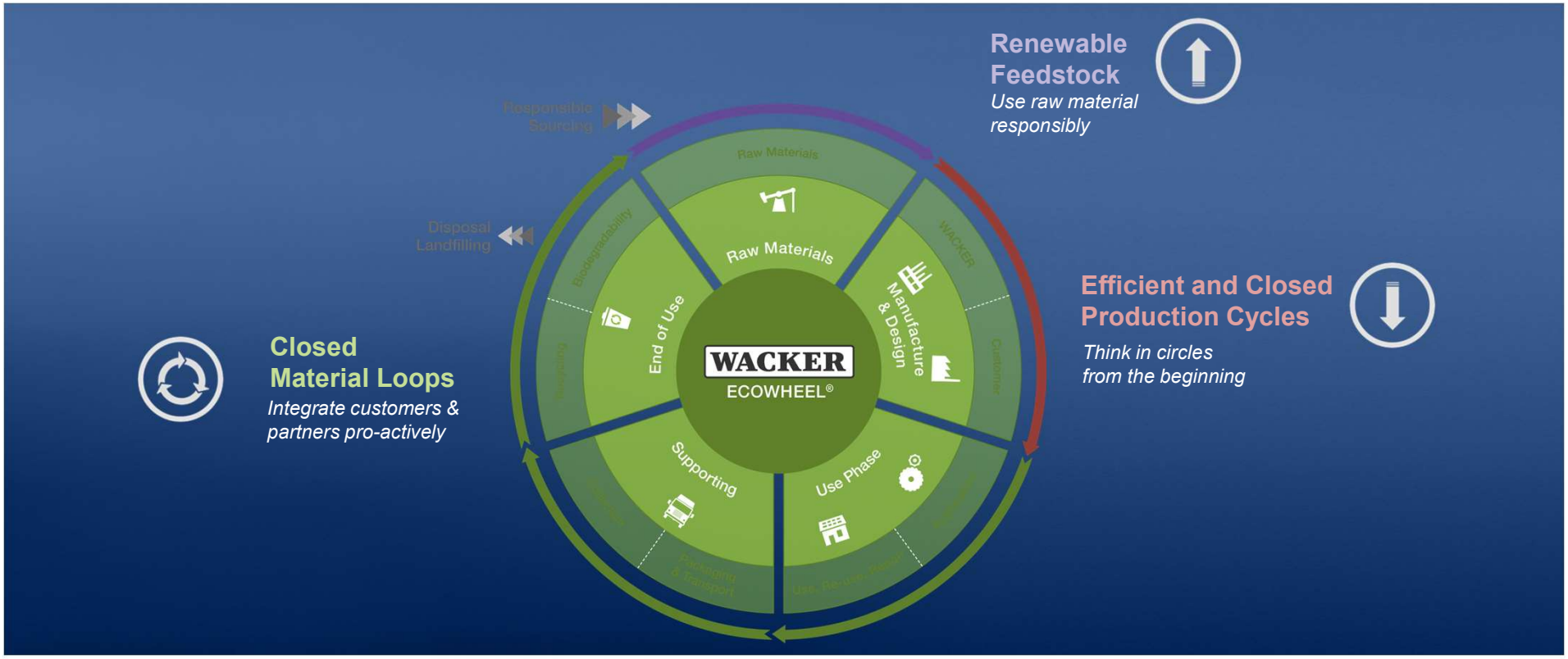
- 28% share of procured renewable electricity in 2023
- 100% renewable energy at >10 sites globally
- Photovoltaics in Dubai, Pilsen, Allentown, Jincheon, Nünchritz, Burghausen…

Collaboration BEYOND

“Together for Sustainability” – The Initiative For Sustainable Supply Chains

- 53 members worldwide
- 2 instruments: Assessments and Audits
- Sharing of results between members
- Common approach towards suppliers, e.g. TfS Academy, Scope 3 emissions
- Target: Transparency, Synergies, Development of suppliers

Circular Economy – Three Focus Areas Identified To Leverage Opportunities



On Track to Meet Our Sustainability Targets

	2023		2030
↑	94%	Products meet sustainability criteria	100%
↓	24%	Reduction in absolute GHG emissions	50%
♻	79%	Key suppliers meet sustainability standards	100%

CREATING TOMORROW'S SOLUTIONS

WACKER‘s Pioneering Role Acknowledged by External Institutions

CDP DISCLOSURE INSIGHT ACTION A LIST 2023 CLIMATE

CDP SUPPLIER ENGAGEMENT LEADER 2023

- One of 346 companies on the A-List (out of > 21,000)
- Climate Change: A Score
- Water Security: A- Score

S&P Global

ISS ESG

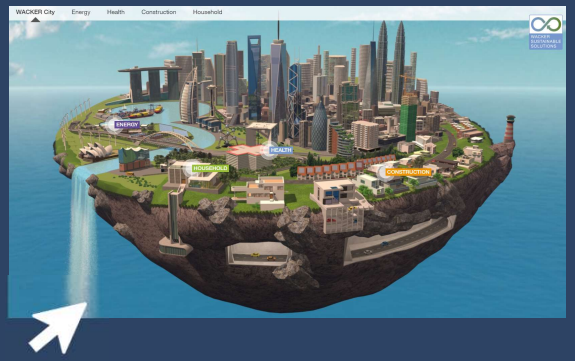
- Top 10% of the Chemical Sector
- Leading Environmental score

GOLD 2023 ecovadis Sustainability Rating

- Top 4% of all companies rated
- Top 1% in Environment and Procurement

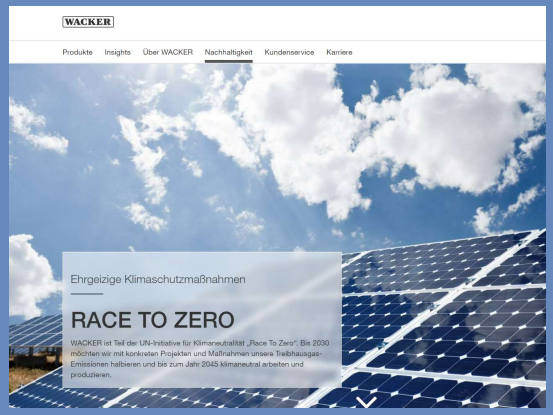
More Information on Sustainability @ WACKER

WACKER City



https://www.wacker.com/cms/de-de/sustainability/sustainable-products/wacker-city.html

Targets & Strategy



www.wacker.com/sustainability

Positions & Reports

www.wacker.com/sustainability-library

WACKER

CREATING TOMORROW'S SOLUTIONS

OUR SOLUTIONS
MAKE A BETTER WORLD FOR GENERATIONS

Sustainability @ WACKER – Making Net Zero Happen

Dominik Auer, CSI 2024, May 2024