

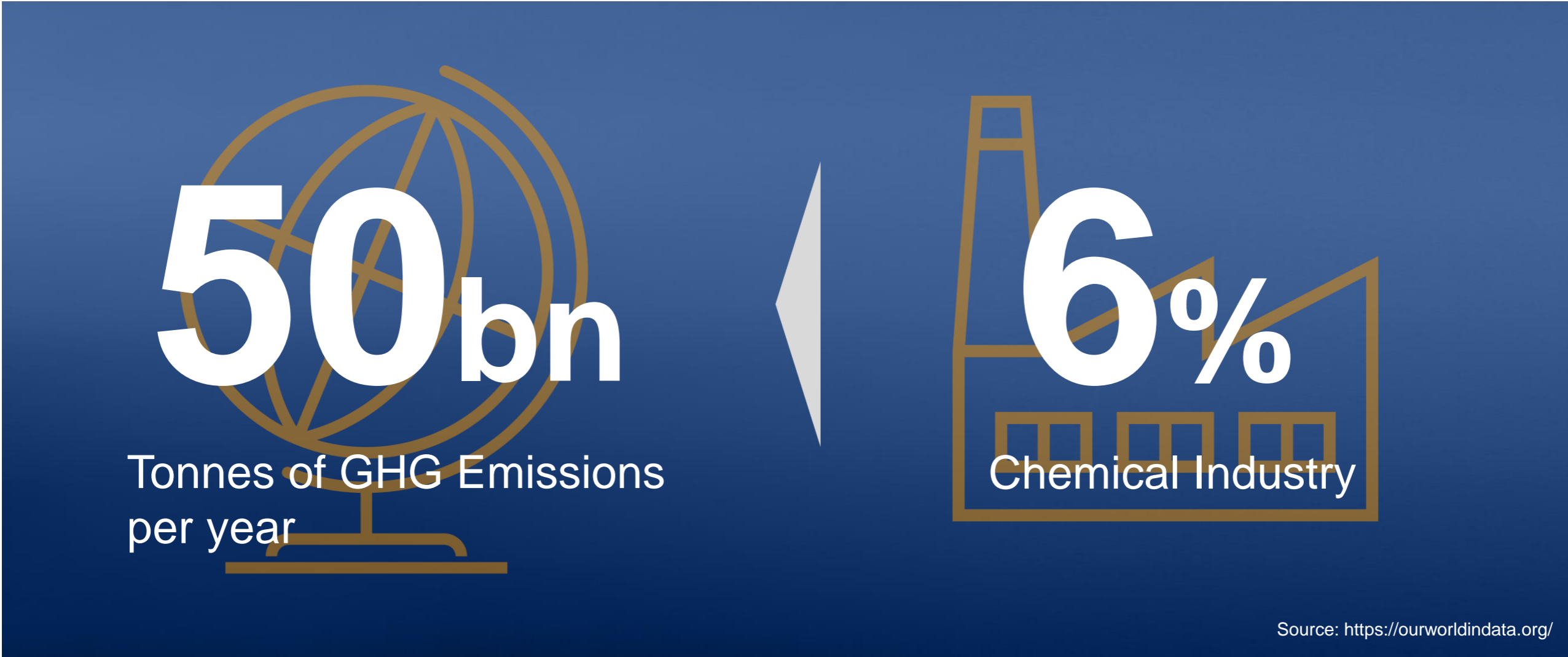


OUR SOLUTIONS
MAKE A BETTER WORLD FOR GENERATIONS

Sustainability @ WACKER – Making Net Zero Happen

Peter Gigler, HCR Excellence, April 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:
CO₂, biomass, recycling

Clear Focus on Enabling Technologies and GHG Reduction



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**.



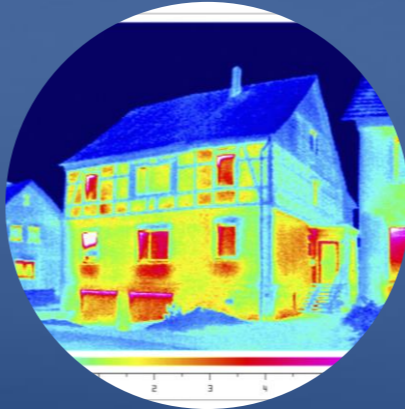
100 % Key suppliers meet sustainability standards



Value **UP**

WACKER Enables Customers to Reduce CO₂ and Save Resources

WACKER products for CO₂ abatement and resource saving

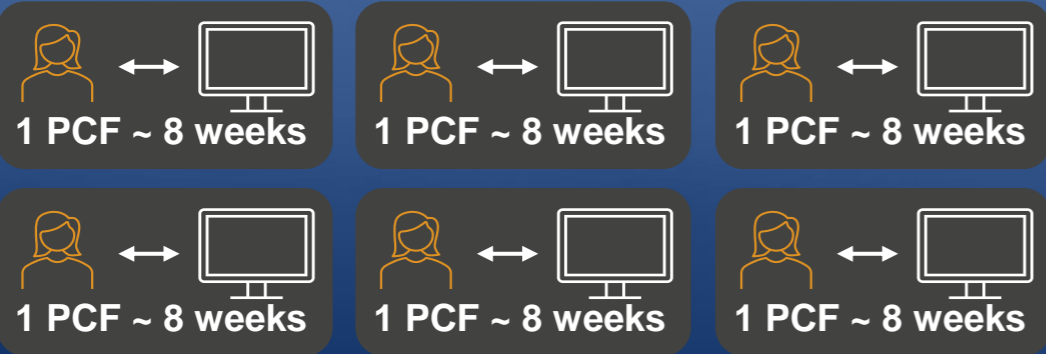


Already 2/3 of Sales with resource saving technologies

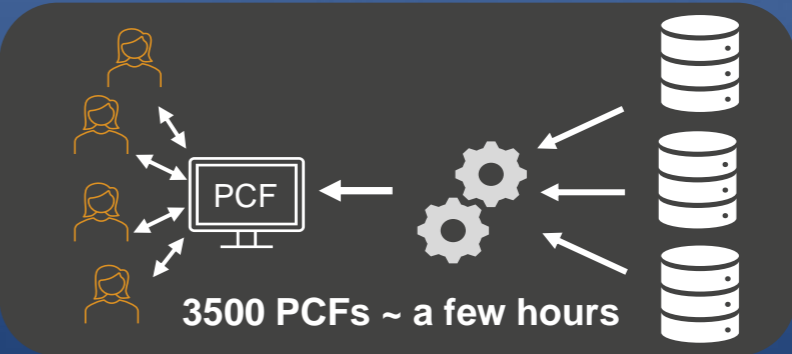


Product Carbon Footprint – From Manual Work to Automated Generation

**Manual Approach –
A lot of work for one PCF**



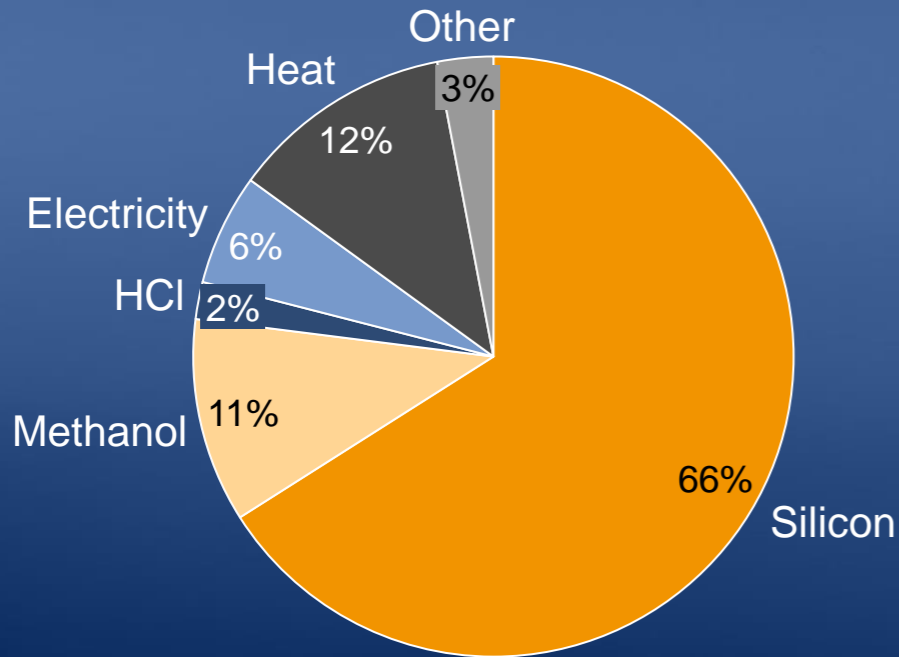
**Automated Solution –
Link data only once**



WACKER corporates with AllocNow to setup an automated solution until end of 2024

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

Typical Carbon Footprint* of Polydimethylsiloxane



PCF : 6 – 8 kg CO₂e/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



RACE TO ZERO



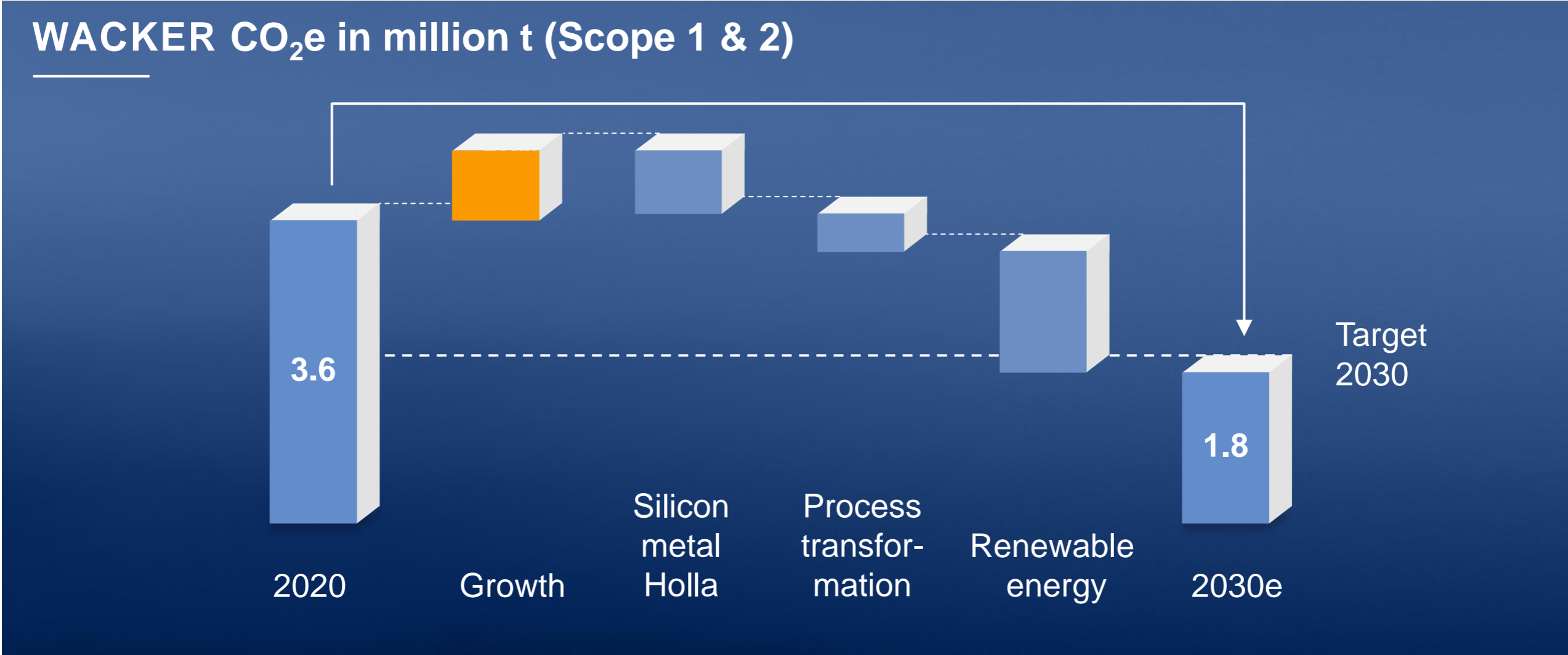
SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

THE NET
ZERO
STANDARD

APPROVED NET-ZERO TARGETS

Pathway for Absolute CO₂ Emission Reduction



Top Challenge: Reduce CO₂ 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 CO₂ 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...





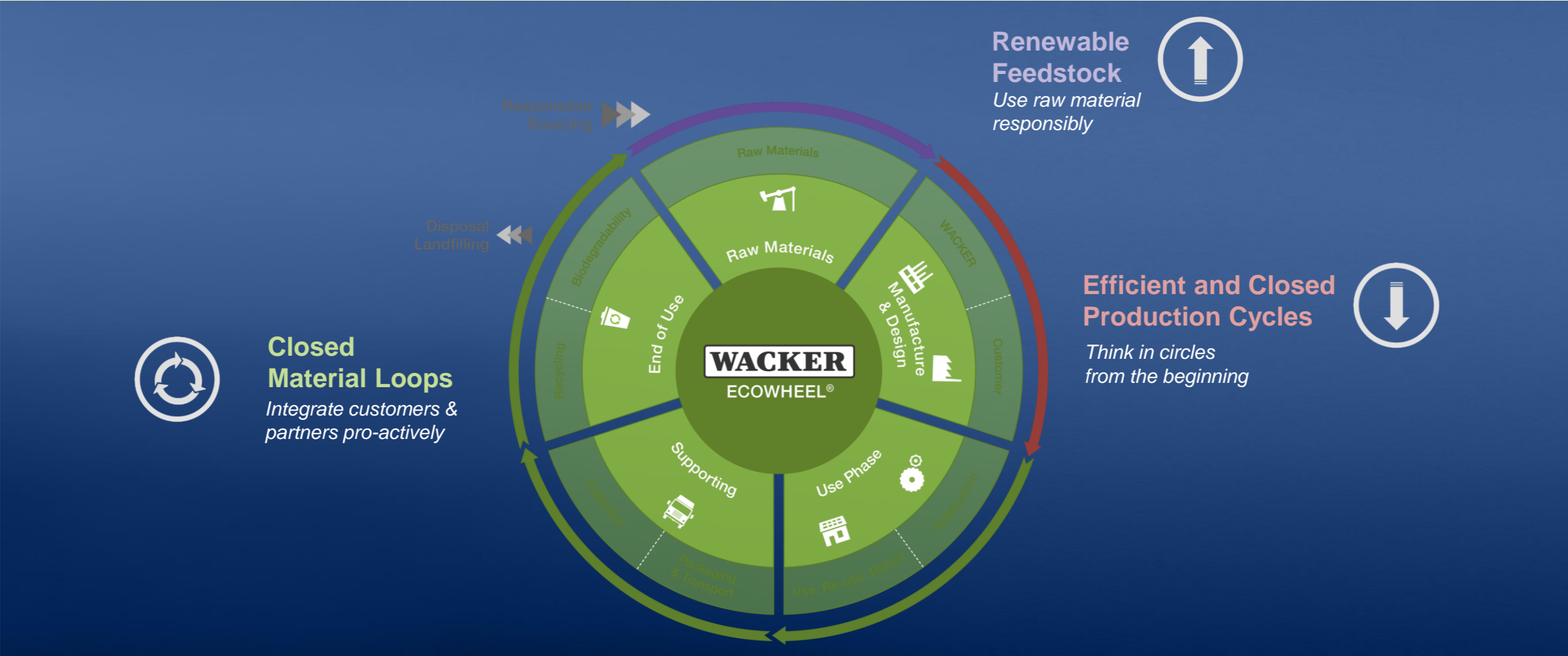
Collaboration **BEYOND**

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

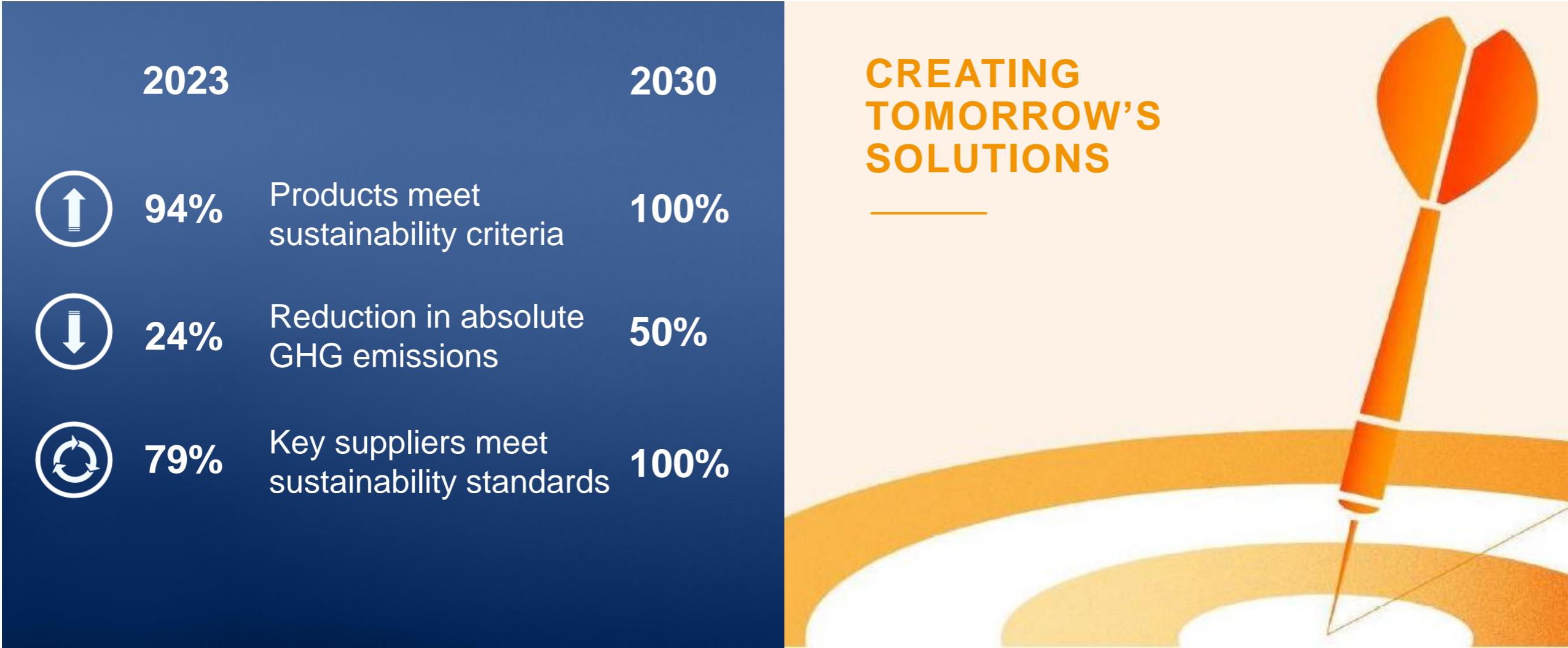
- ▶ 51 members worldwide
- ▶ 2 instruments:
Assessments and Audits
- ▶ Sharing of results between members
- ▶ Common approach towards suppliers, e.g. TfS Academy, Scope 3 emissions
- ▶ Target: Transparency, Synergies, Development of suppliers



Circular Economy – Three Focus Areas Identified To Leverage Opportunities



On Track to Meet Our Sustainability Targets



WACKER's Pioneering Role Acknowledged by External Institutions



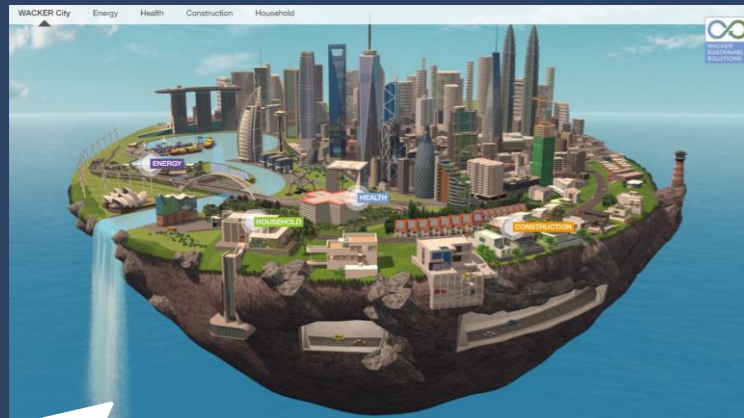
- ▶ One of 346 companies on the A-List (out of > 21,000)
- ▶ Climate Change: A Score
- ▶ Water Security: A- Score

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

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

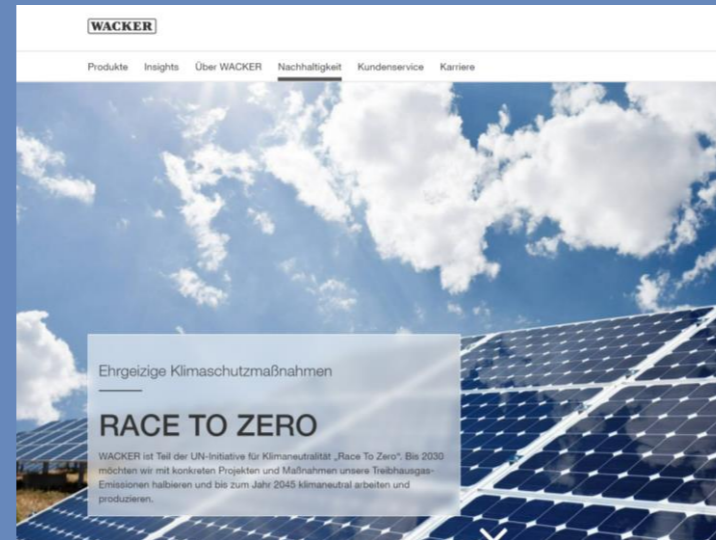
More Information on Sustainability @ WACKER

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



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