

## Sustainability by Knauf



**KNAUF** 

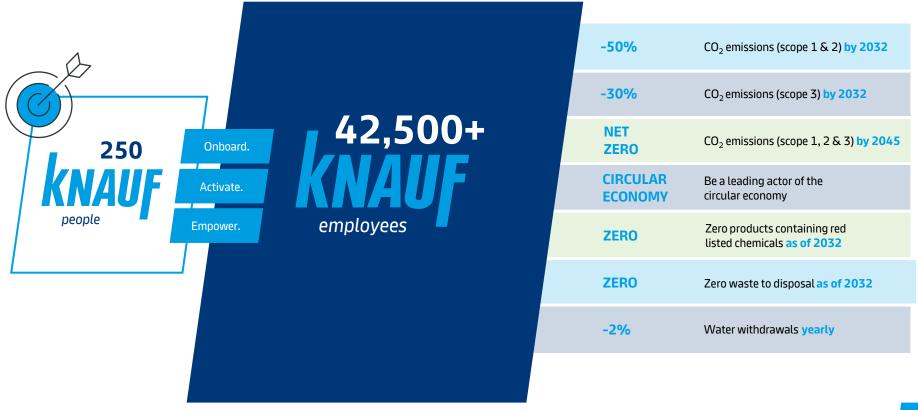


# Our Goals & How we get there



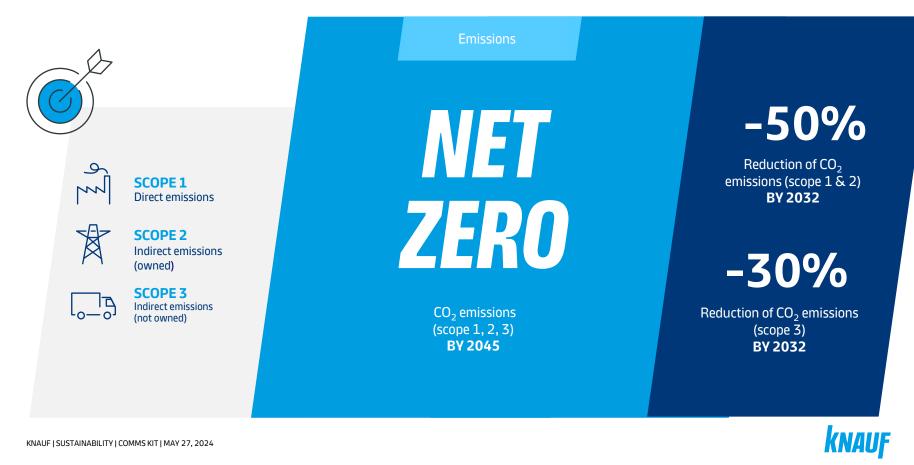


### **Our Goals**





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## How we get there

- **#1** Firstly, we believe in transforming the built environment. And to accelerate our sustainability leadership in the industry we are continuously innovating to create solutions that reduce the environmental impact of buildings and make homes more sustainable in future.
- #2 Secondly, at every step of our operations, we try to do things better – from naturally recultivating the sources of our raw materials and ensuring the wellbeing of the communities where we operate in, to driving a circular economy across our plants, supporting our customers, suppliers and partners to adopt the sustainability best practices that will be genuinely world-changing.







## **Best Practices**





#### The world's first 100 % climate-neutral fully recycled gypsum drywall



Circular economy



Chiyoda Ute, Japan – Yokkaichi Plant

#### Concept

A patented process that enables us to recrystallize gypsum from the demolition of buildings to a virgin state to create 100 % climate-neutral gypsum drywall.

#### Impact

The board will enable us to offer our customers **100 % sustainable gypsum** products in the future.





#### Dry stucco progress saves energy and costs



Emission



Baltimore, MD, and Jacksonville, FL

#### Concept

Reformulated product from an alpha stucco to beta stucco "treated" with liquid additives which allows product to be made at regional plants with beta stucco capacity.

#### Impact

Production of the beta stucco is 30%less energy intensive compared to existing continuous wet alpha stucco process. Cost savings due to lower raw material costs.







#### Solar power in Argentina

### Solar Power



Argentina, South America

#### Concept

Invested 1,2 Million € in a solar power plant to reduce energy purchases and generate green energy. The panels cover an area of 13,600 sqm.

#### Impact

The Knauf plant in Mendoza covers 50 % of its energy consumption through 2,000 solar panels. It thereby saves more then 540 tons of  $CO_2$  per year.







#### **Green roofs and walls**



Emissions & Energy



Knauf Insulation/ Green Solution

#### Concept

Our green roofs and walls make a difference in urban hotspots, being five times lighter than classic green roofs, suitable for water storage during drought and for mitigating flooding during heavy rains.

#### Impact

Normal roofs emit 5 - 6 kg  $CO_2$  per sqm, while our roofs emit less than half: 2 kg  $CO_2$  per sqm. Also, energy demand for cooling is reduced by 10 - 20 %.



