

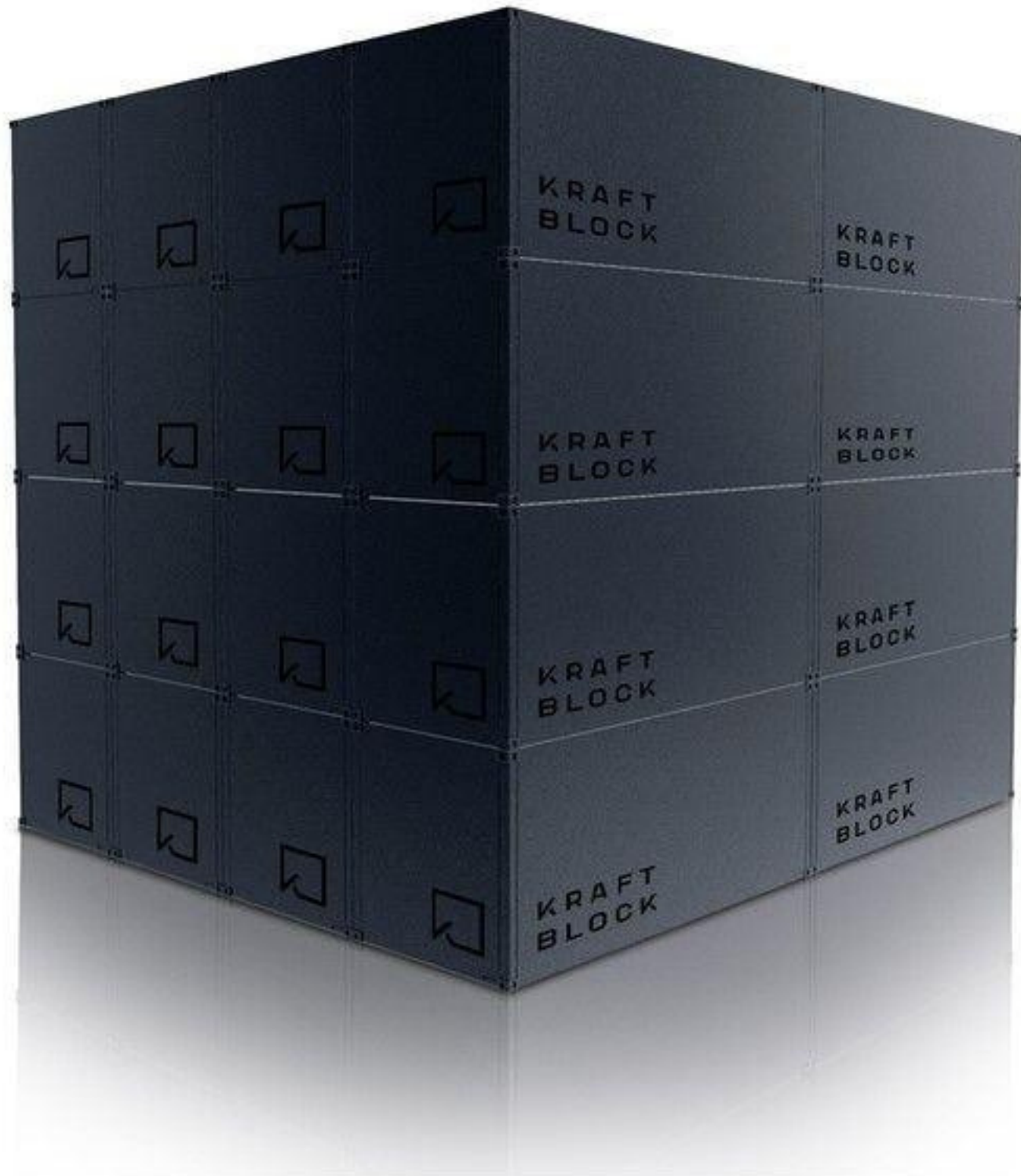


KRAFT
BLOCK

KRAFTBLOCK

RETHINKING Energy Storage!

Kraftblock develops and produces **high-temperature energy storage-systems** to **decarbonize** energy-production and industrial processes.



High Temperature: 350°C.... 1,300°C

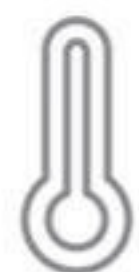
System charging-device//storage//discharging device



KRAFTBLOCK USP



Infinite lifespan & easily
recyclable & eco-friendly

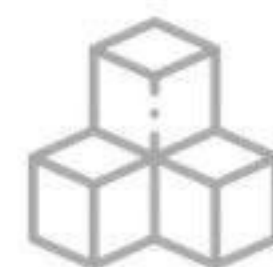


Up to **1,300°C** temperature



Highly economical

KRAFTBLOCK STORAGE SYSTEM



Modular, scalable energy storage for 4
MWh up to 10,000 MWh



Outstanding **energy density of 1.2 MWh/m³**



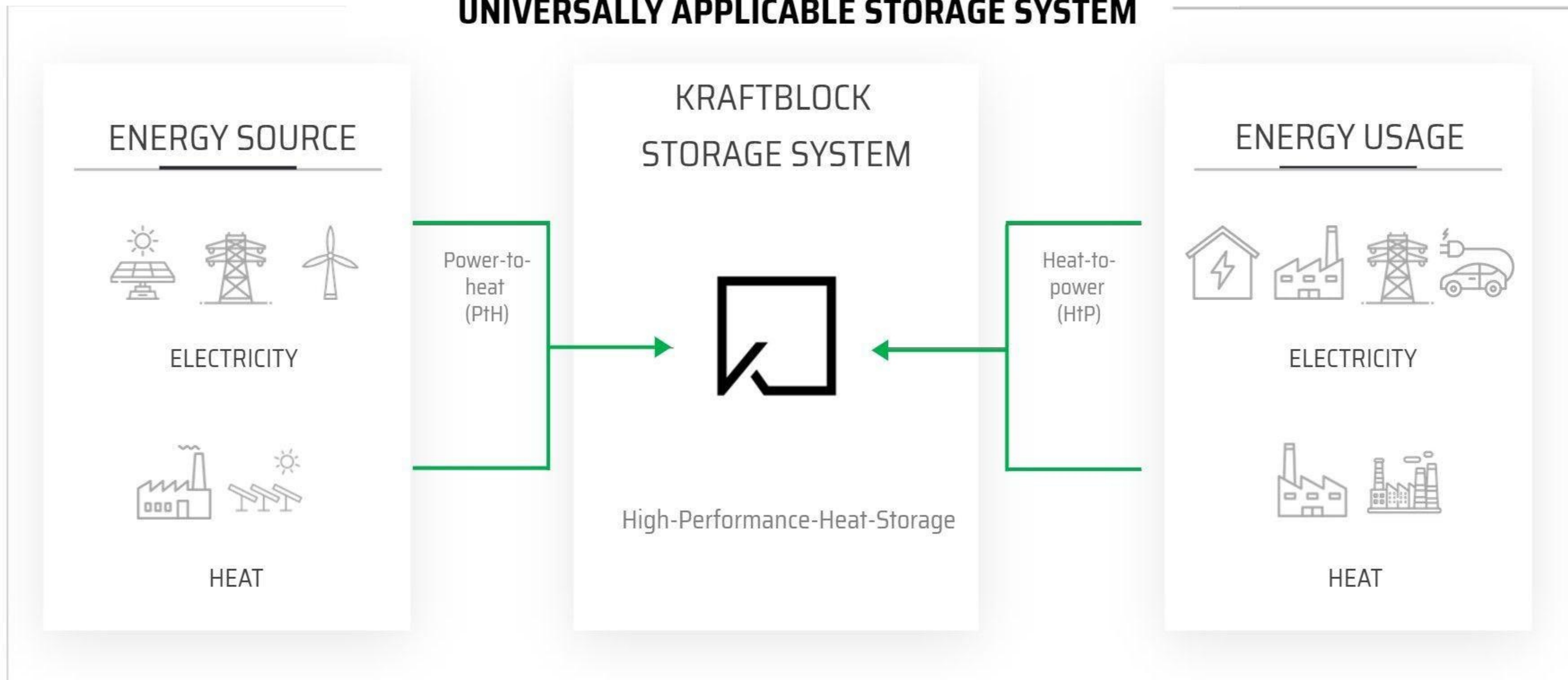
No rare earth materials - up to **85%**
recycled materials



Unbeatable **CO₂ footprint** for storage
technology: **180 kg CO₂/MWh** [600°C]

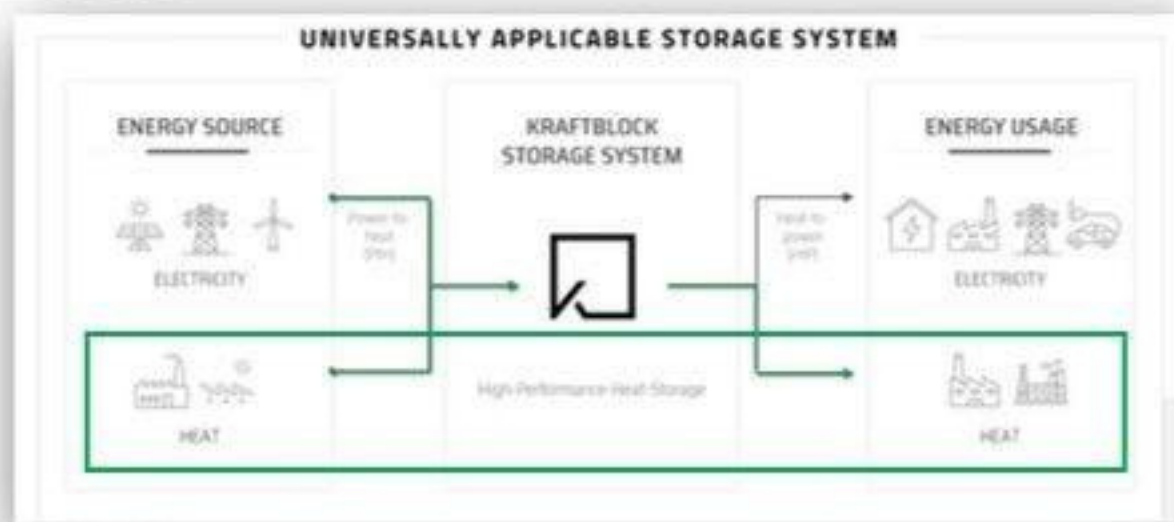


UNIVERSALLY APPLICABLE STORAGE SYSTEM





INDUSTRIAL WASTE HEAT



Up to **15%**
increase in
production

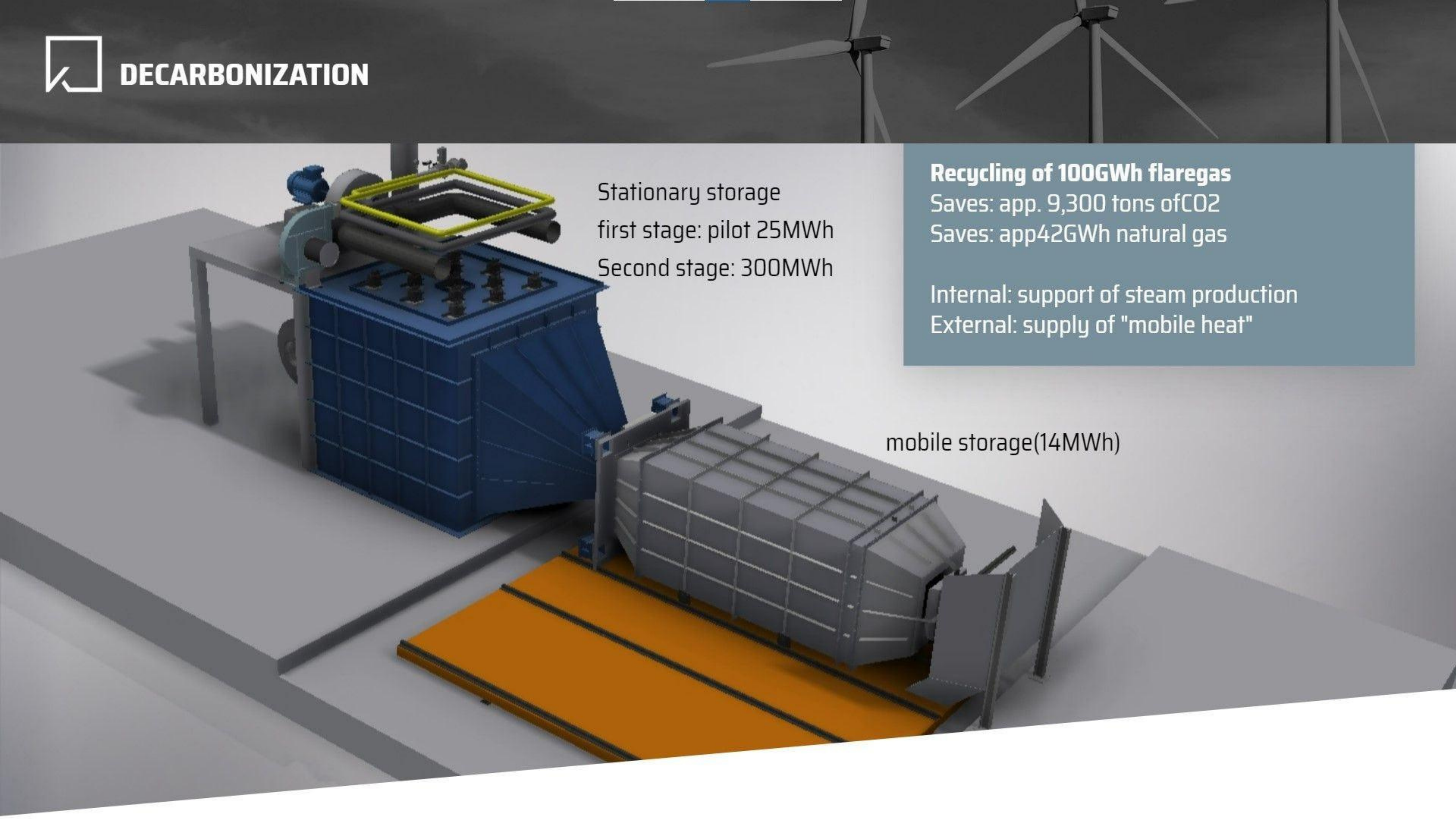
Up to **25%***
reduction of
primary energy

Up to **30%***
reduction CO₂-
emissions

easily
scalable

Improvement of
Environmental
index

*if existing system is used at customer site.
Also possible to reduce more using the REET-model



Stationary storage
first stage: pilot 25MWh
Second stage: 300MWh

Recycling of 100GWh flare gas

Saves: app. 9,300 tons of CO₂

Saves: app. 42GWh natural gas

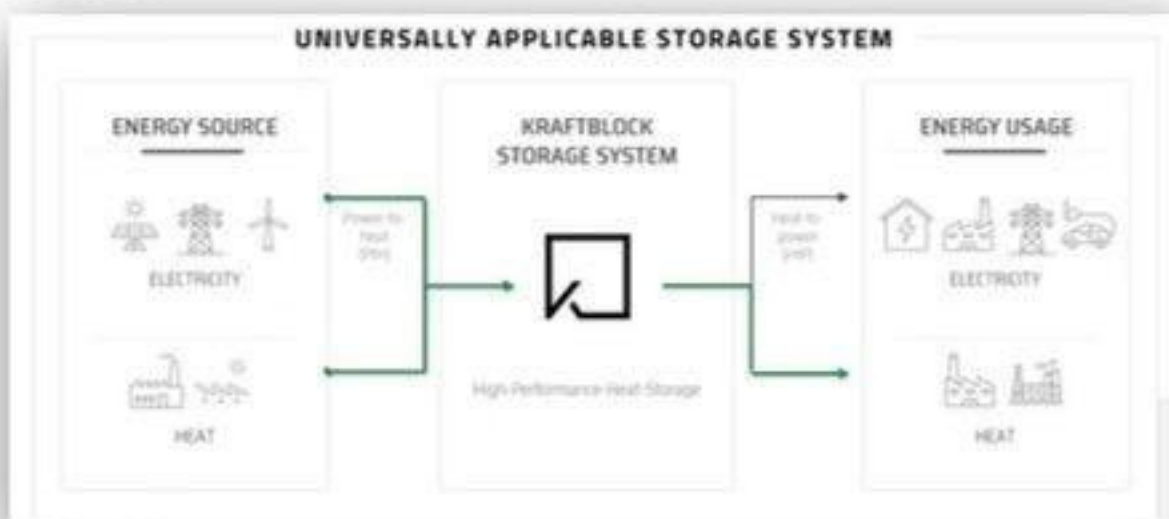
Internal: support of steam production

External: supply of "mobile heat"

mobile storage (14MWh)



Renewables Energies in Existing Technologies (REET)



Keep **existing infrastructure** but extend to renewables

Replace **conventional** against renewable **heating**

Up to **100%*** reduction CO₂-emissions

easily **scalable**

Improvement of **environmental** index and **reputation**





Renewables Energies in Existing Technologies (REET)

Replacing a 25MW gas boiler station

Saves: app. 45,000 tons of CO₂

Saves: app. 225 GWh natural gas

Needs: renewable energies and storage

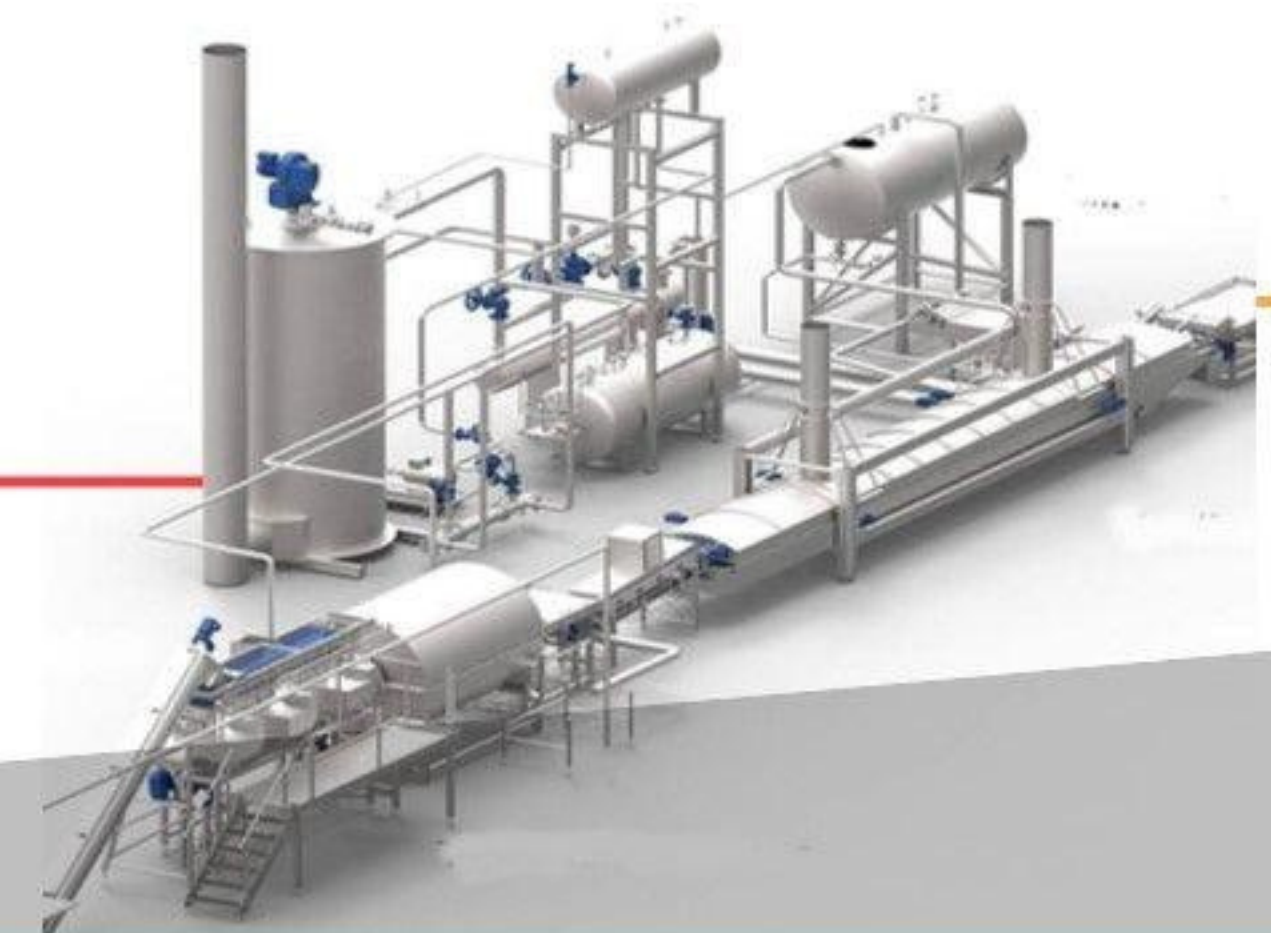
Renewable energies



pth storage conversion



Food production, i.e. milk





MOBILE HEAT STORAGES

Excess Heat from a CHP

Saves: app. 330 tons of CO₂/y

Saves: app 1,5 GWh natural gas/y

Heat Delivery to Third Parties





WASTE HEAT RECYCLING

Recycling of up to 1,5GWh flue gas

Saves: app. 330 tons of CO₂/y

Saves: app. 1,5GWh natural gas/y

Internal usage (batch ovens)

 KRAFT
BLOCK

Tare 825kg
NETT 9.500kg



KONTAKT

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