

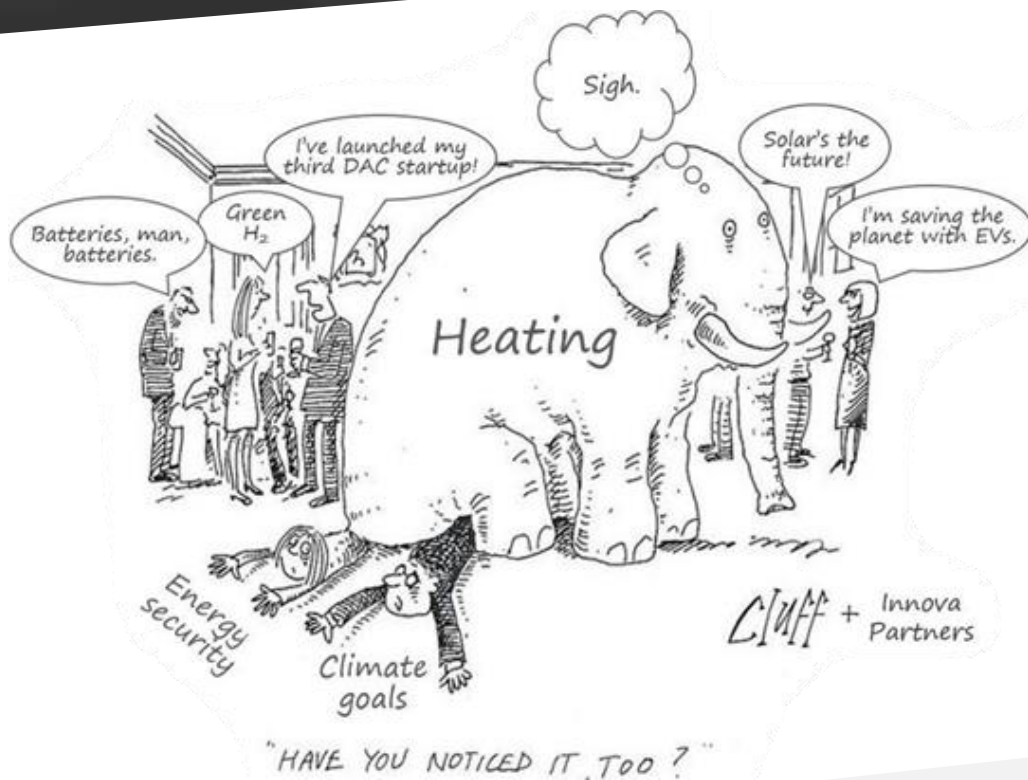


KRAFT
BLOCK

9th Annual EPRI-IEA Workshop Challenges in Decarbonisation

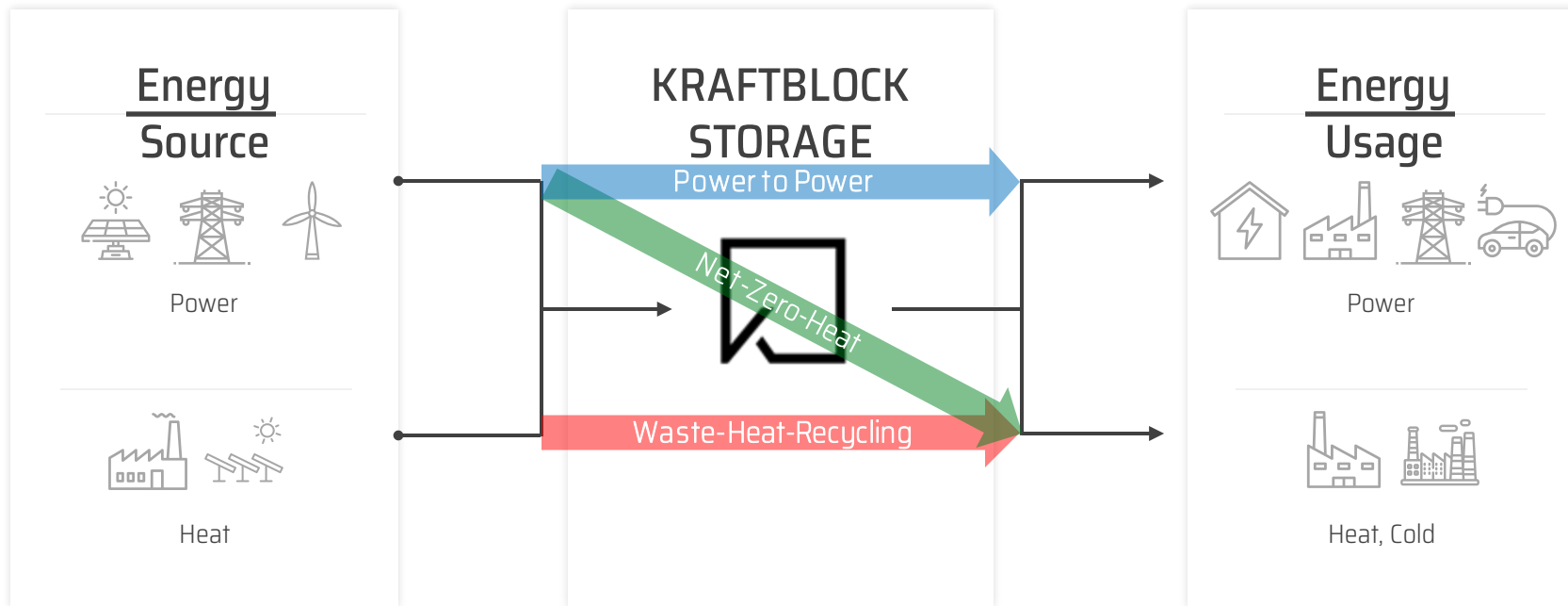


LET'S TALK HEAT





MULTIFUNCTIONAL SYSTEM





CORE CHARACTERISTICS



PATENTED



Up to **1,300°C** temperature

High Temperature



(Dis-)Charging unit **integrated**

Storage System



Infrastructure is **state-of-the-art**

Multifunctional



Outstanding **capacity**
up to **1.2 MWh/m³**



No rare earth materials -
85% recycled materials



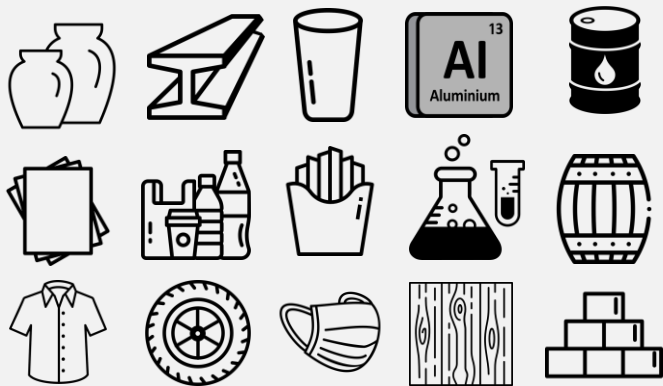
Modular, scalable energy storage 4 MWh upwards



Infinite lifespan & easily
recyclable & eco-friendly

Applications of Kraftblock's systems

Industries



Utilities & Other



Multifunctional application for decarbonisation throughout all **heat driven industries** as well as in the **utility field**



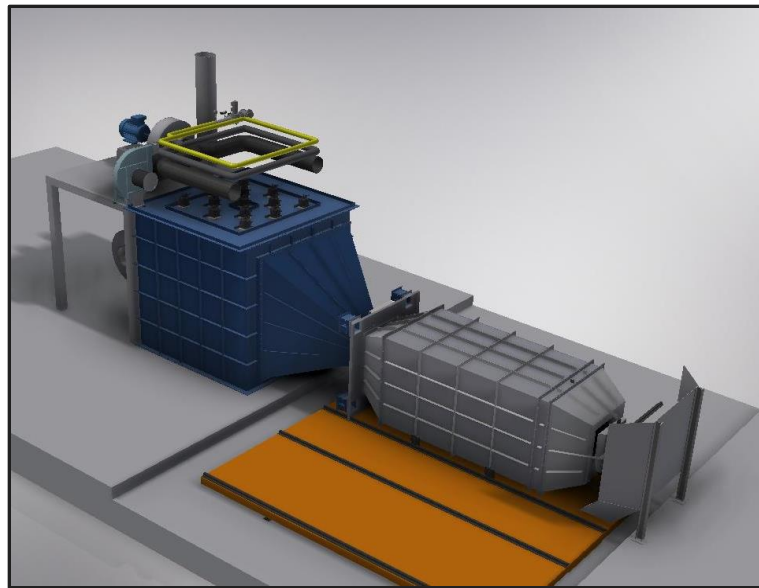
Excess Heat of a CHP
Capacity: 2MWh-5MWh

Savings:

- ☐ 330 tons on CO₂/year
- ☐ 1,5GWh natural gas



FLARE-GAS-RECYCLING



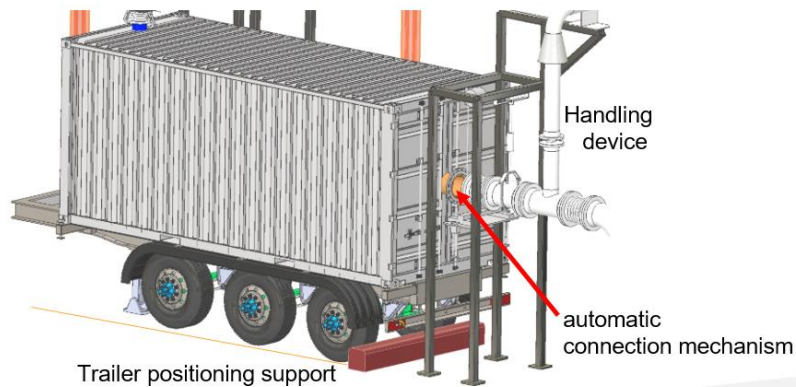
RECYCLING of 100 GWh/a flare gas

Savings:

- ❑ 9,300 tons CO₂/year
- ❑ and 42 GWh gas

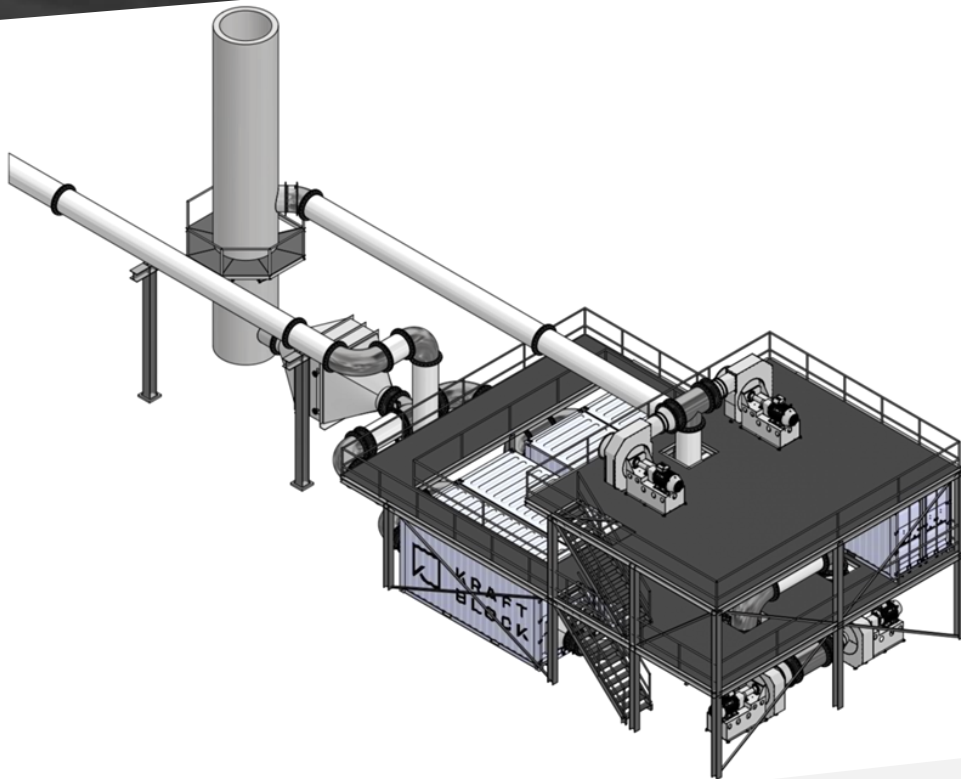
Internal: Support of Steam production

External: Supply of mobile heat





WASTE-HEAT-RECYCLING



Recycling of 7,300MWh waste heat

Savings:

□ 1.600 tons CO₂/year

Internal use: Back-up System and production support



REPLACEMENT of a 25MW Gas Boiler

Savings:

- ❑ 45.000 tons CO₂/year
- ❑ 225GWh gas

Fully modular
Charging: 4-6 hours/day
Discharging: 24/7

Savings:

45.000 tons CO₂/year

225GWh gas

Fully modular

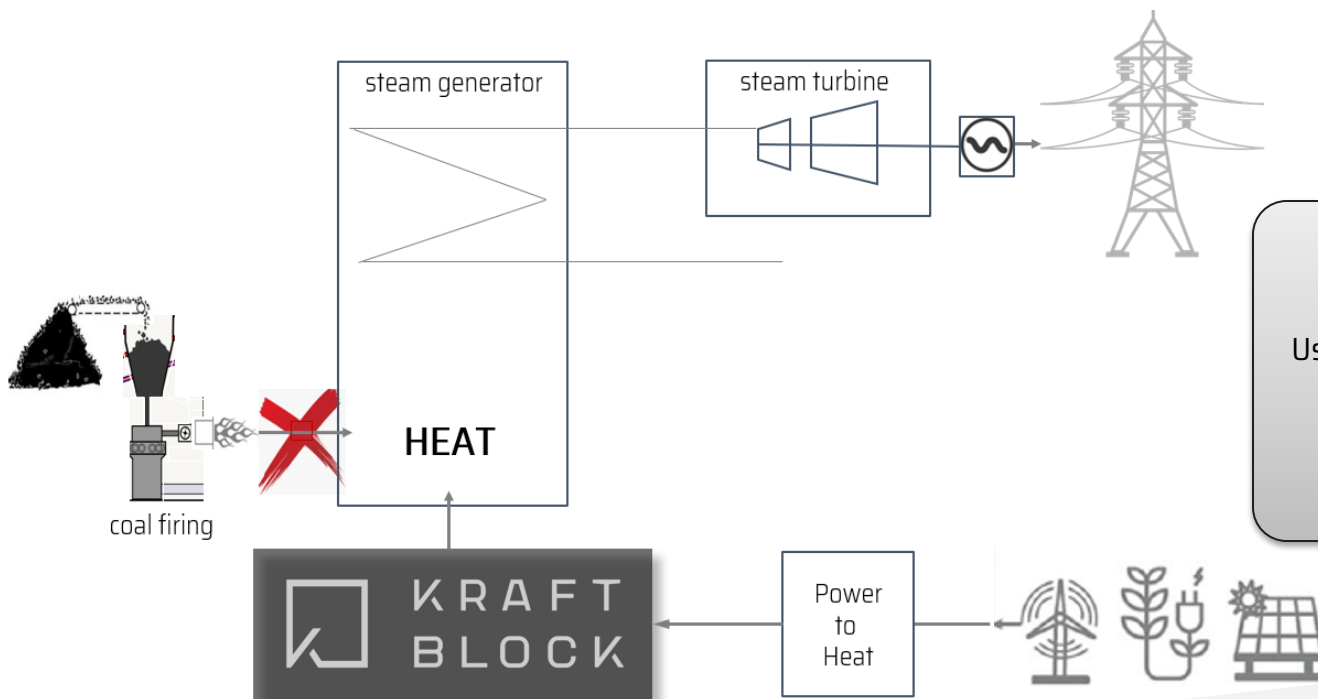
Charging: 4-6 hours/day

Discharging: 24/7

Food production, i.e. milk

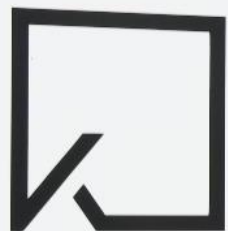


REPURPOSING POWER ASSETS



GRID SECURITY & STABILISATION

Using existing assets and grid connection, enabled by charging the Kraftblock storage up / over 1000°C with excess power from renewable resources



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