

KRAFT
BLOCK

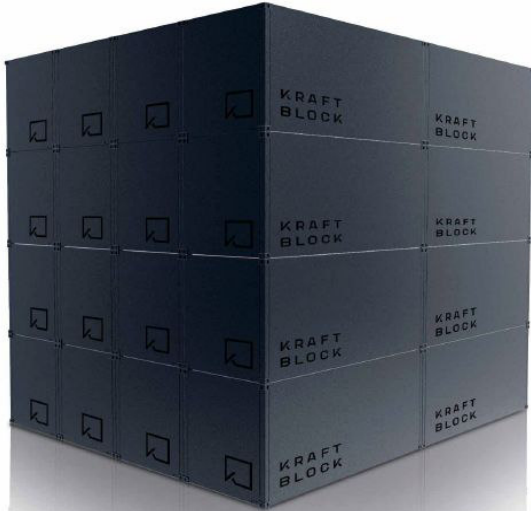
KRAFTBLOCK - ENERGY STORAGE

Large-scale | Sustainable | Cost-effective



PRODUCT OVERVIEW

KRAFTBLOCK PROVIDES AN ECO- FRIENDLY, COST- EFFECTIVE ENERGY STORAGE SYSTEM



KEY FACTS AT A GLANCE

- **High-temperature thermal storage system**, storing at up to 1,300 °C
- High **storage density of more than 1.2 MWh/m³**
- **Infinite lifespan** (tested for 15,000 cycles)
- Very economical with **specific investment costs of <17€ /kWh***
- Eco-friendly granule, consisting of up to **85% recycled materials**
- **Diverse heat transfer media can be used** such as air, flue gas or oil
- Extendable **modular system** with **30 and 60 MWh containers**
- Deep **discharges have no detrimental effects on storage capacity**
- **Efficient transformation into electricity** due to high storage temperature
- **Easy to store & extract energy** by pumping air through the storage

*calculated for a leading German energy provider

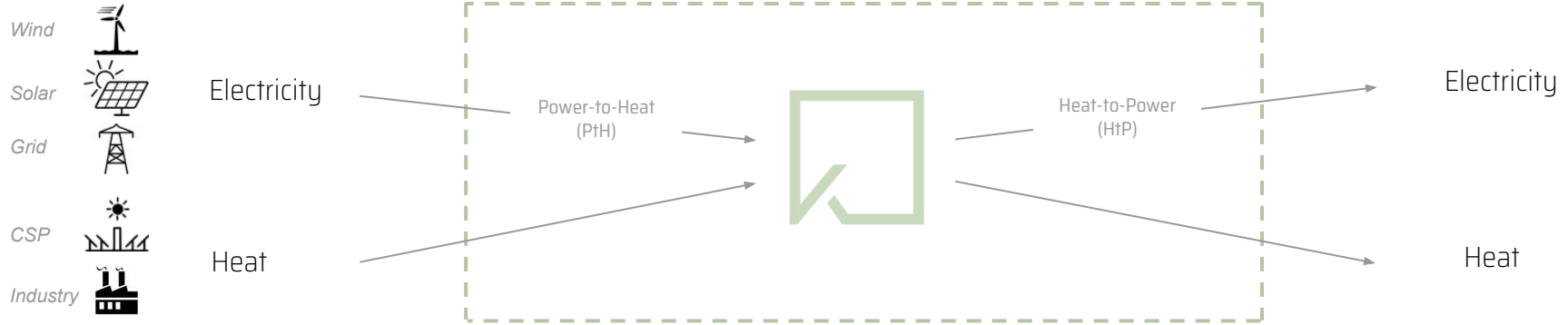


KRAFTBLOCK IS A UNIVERSALLY APPLICABLE STORAGE SYSTEM

ENERGY SOURCE

KRAFTBLOCK STORAGE SYSTEM

ENERGY USAGE



- KRAFTBLOCK is a **universal storage system where both heat and electricity** can be stored and extracted
- Electricity can be converted into heat (PtH) and back from heat to electricity (HtP)
- Total efficiency is up to **60% (Electricity → Electricity)** and **92% (Electricity → Electricity + Heat)**
- **Electricity production costs around 4 cent / kWh** at current cost



WE OFFER AN EASILY ADOPTABLE, SCALABLE AND STACKABLE SYSTEM

KRAFTBLOCK SYSTEM ADVANTAGES

- Modular **30 and 60 MWh standard containers**
- **Easy to transport and install** due to stackable container format
- **High cost reduction potential** due to standardized containers
- **Easy to adopt and expand** according to storage needs, even during operation
- **“Self-stabilizing containers”** result in a robust system
- **Easy insertion of walls within container** if needed





TEAM & INVESTORS

EXPERIENCED
TEAM BACKED BY
A DEEP-TECH
INVESTOR



Martin Schichtel - CEO, PhD in Chemistry

- 20 years of experience in material development, production and sales
- 8 years at Institute for New Materials, Head of the Department of Ceramics
- Head of Department Smart Coatings at ItN Nanovation AG



Susanne König - CFO, PhD in Economics

- CFO and later on CEO of an international trading group at Trucktec International
- Head of corporate management in treasury / accounting and risk controlling at a bank



Frank Thelen - CEO Freigeist Capital

- Freigeist Capital is a privately-owned investment firm working with visionary founders to fund and build disruptive technology companies
- Freigeist seed invested in Lilium Aviation, Neufund, Wunderlist (acquired by Microsoft), MyTaxi (acquired by Daimler) among others



CONTACT DETAILS

MARTIN SCHICHTEL

KRAFTBLOCK (formerly Nebuma GmbH)

Campus Geb. A1 2

66123 Saarbrücken

Tel: +49 681 302-64918

Tel.: +49 173 805 1642

martin@kraftblock.com