

What are we all looking for in Storage?



Cost



Durable



Modular



Clean

Thermal Storage Based Generation



Brenmiller Energy

Decades
of
Experience

Over €1B
in
projects

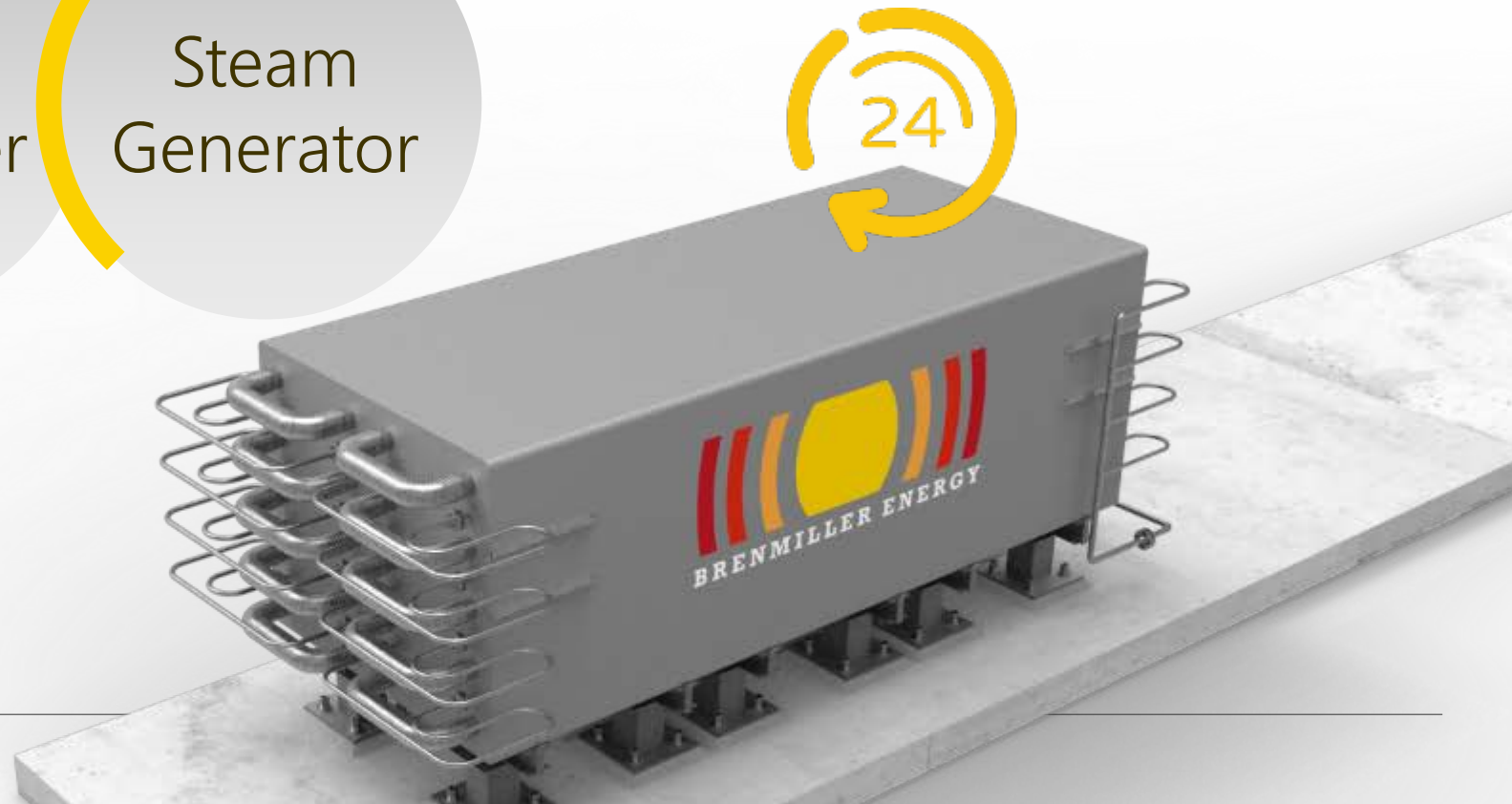
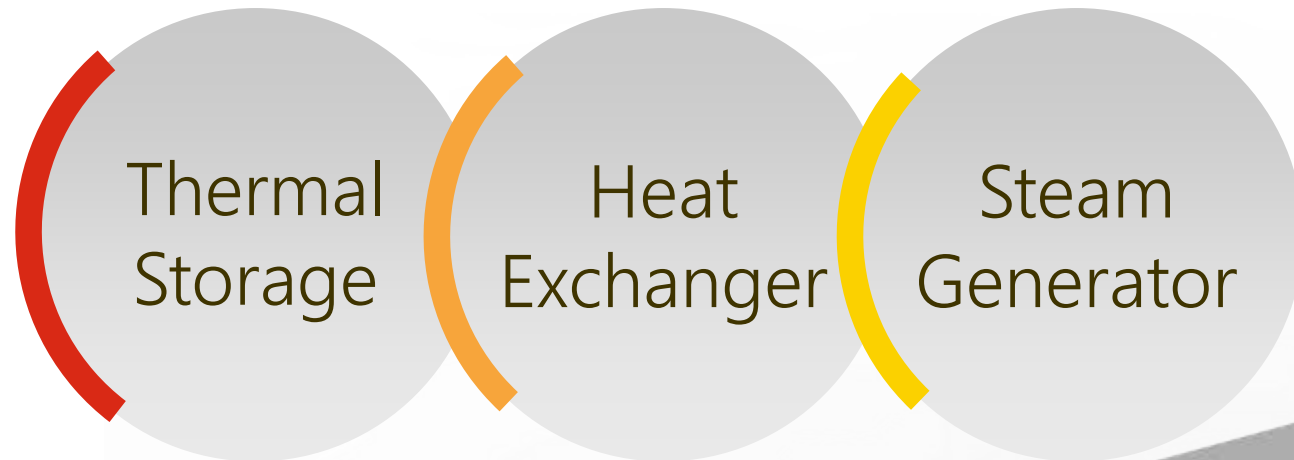
Founded
in
2012

2017
Publicly
traded
company

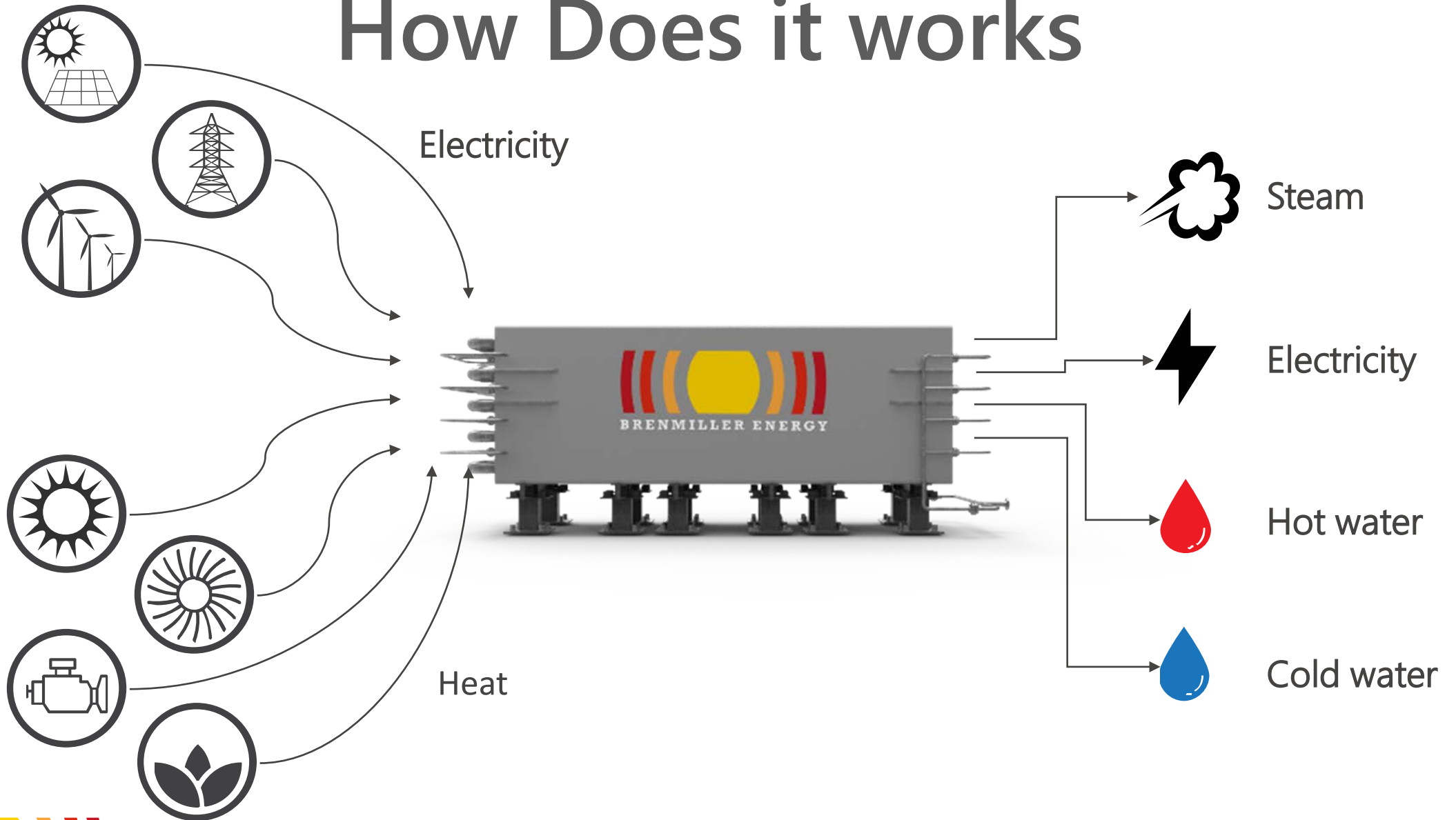


Our Solution

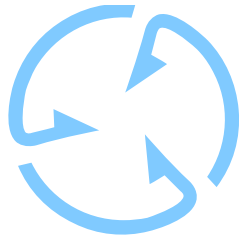
IP patented configuration – combining 3 key elements:



How Does it work



Key Advantages



Hybrid

Connects different energy sources



Modular

From industrial to large scale power plants



Lifetime

30+ Years



Performance

Unlimited cycles with minimal daily losses



Clean

environmentally friendly materials (crushed rocks)



Economic

lower investment with kWhth < \$1 cent



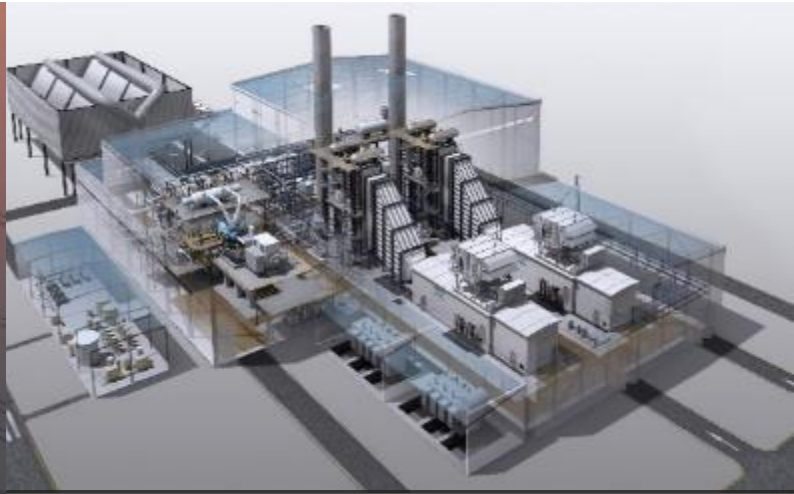
Applications



Renewables Integration



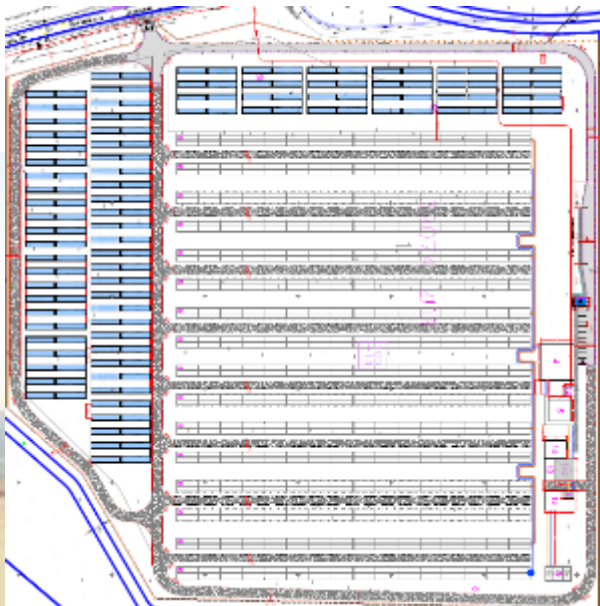
Grid Support



Energy Efficiency

Renewables Integration - Rotem1 Project

- Combining solar thermal, solar PV and natural gas
- 24 hours daily peak production
- 16 hours of storage capacity
- construction started in Q1 2018



Solar Thermal



PV



Natural Gas



Grid Support



Low capital investment



Durability



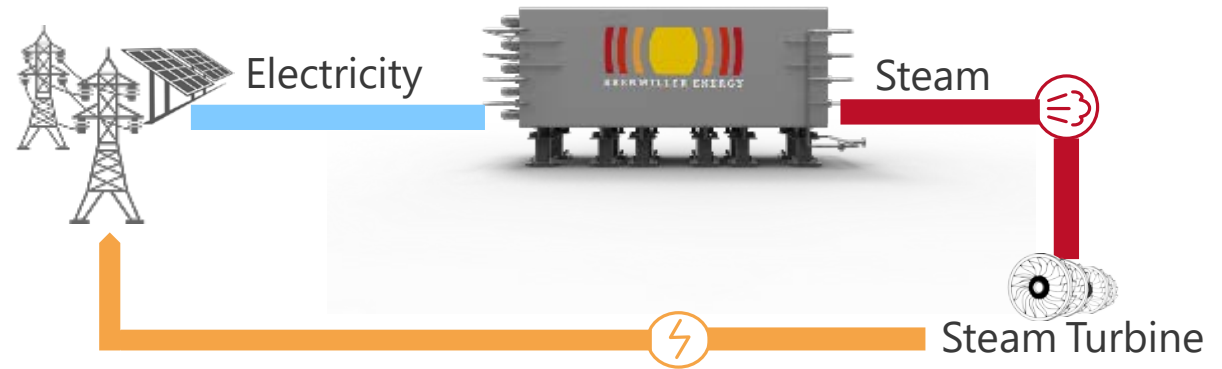
No degradation



Clean & Safe



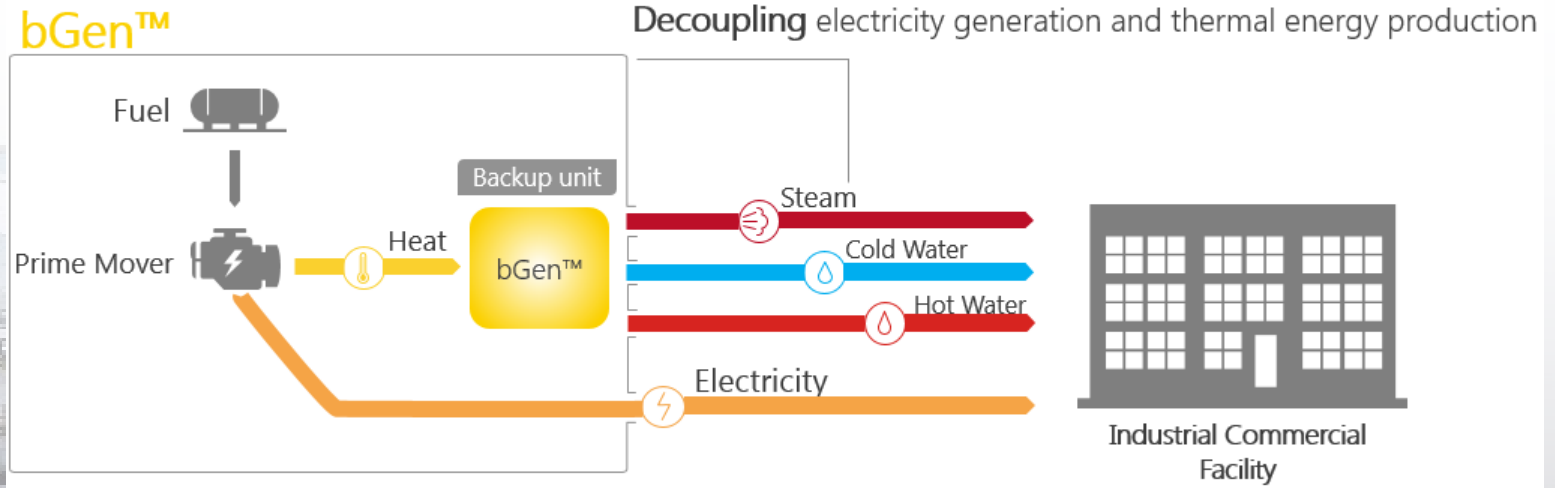
Modular



Energy Efficiency – Storage based DER

Key Advantages

1. Higher efficiency
2. Energy independence
3. Reducing Emissions
4. Gas peak shaving



Storage Based CHP Project in the US



Joint project with the New York Power Authority (NYPA)

- Approved and funded by the DOE
- A storage-based CHP unit at a local SUNY campus
- Off grid solution: taking it off the central heating system
- Expected commissioning: Summer of 2019

bGen™

THERMAL STORAGE GENERATION UNIT

RENEWABLE INTEGRATION ▪ ENERGY EFFICIENCY ▪ LOAD SHIFTING



-  **Low Cost**
\$1 cent/kWhth
-  **Unlimited Cycles**
-  **Up to 95% Efficiency**
-  **Multiple Heat Sources**

Energy When **YOU** Need It

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