

Brenmiller Energy

A Thermal Storage Company



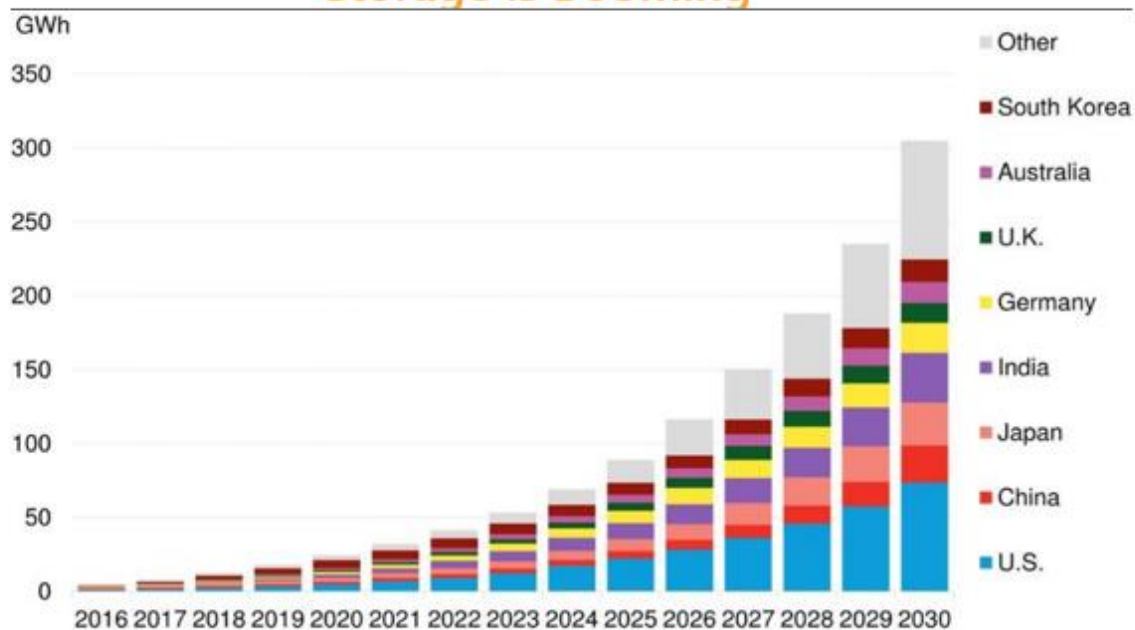


The Need - Stabilizing renewables

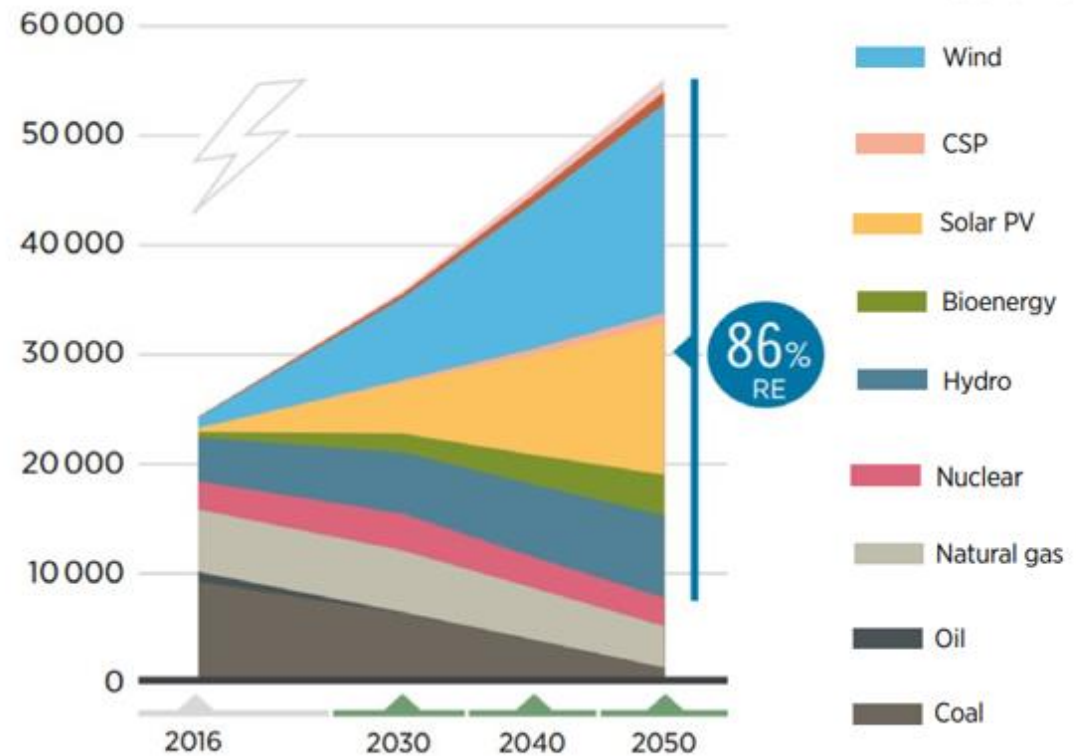


The Solution - Energy storage

Storage is Booming



Electricity generation (TWh/yr)



* International Renewable Energy Agency 2019 – A Roadmap to 2050



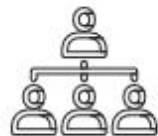
About us



2012
Founded



Patented
Energy
storage
solution



40
Employees



\$60m
Capital Invested



Avi Brenmiller,
Chairman &
CEO





Thermal Storage



Heat Exchanger



Steam Generator



Our Storage Technology
award winning patented
technology



Frost & Sullivan
2018 Best Practices
Award

European Thermal Energy Storage
New product innovation award



European
Commission
Seal Of Excellence



Key Advantages



Hybrid



Modular



Lifetime



Performance



Clean



Economic



Thermal storage applications



Renewable Integration



Peaker Replacement



Heat Recovery



Flexible CCGT



Combined Heat & Power

▷ Stabilizing renewables

▷ Load shifting

▷ Reuse of waste heat

▷ Energy shifting

▷ Decoupling production

▷ On Demand 24/7

▷ Peak shaving

▷ Heat on demand

▷ Adapt minimum load

▷ Higher efficiency

▷ Emissions reduction

▷ Shorten shut down

Solar + Storage in Israel

Rotem1 CSP + 90MWht Storage



- ▶ 24 hours electricity generation
- ▶ 16 hours of storage capacity
- ▶ \$15M project cost
- ▶ COD: Q4/2019
- ▶ PPA for 20 years, IEC

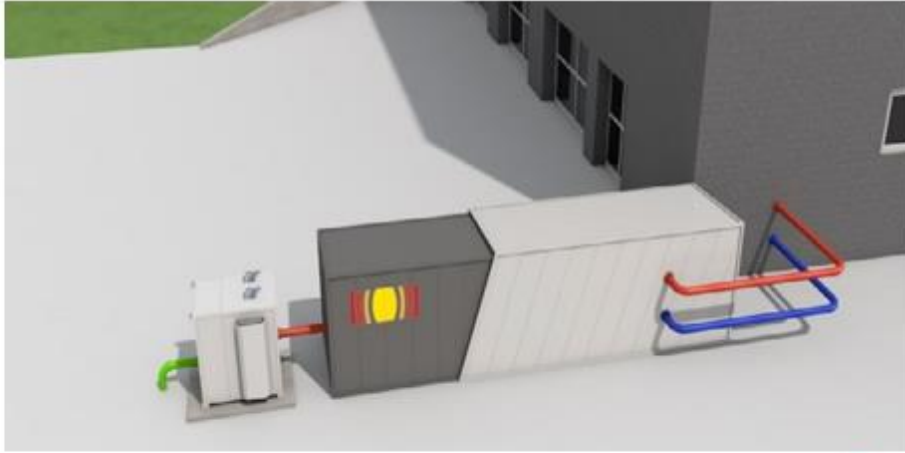
Rotem2 PV + 110MWht Storage



- ▶ 25 MW PV solar field
- ▶ 4 hours storage capacity
- ▶ PPA for 23 years, IEC
- ▶ \$37M project cost
- ▶ Start in 2020 Pending tariff approval

Global Projects

NYPA Co-generation



- ▶ Funded by DOE and BIRD
- ▶ COD: Q3/2019
- ▶ Increasing efficiency, reducing emissions

ENEL flexible combined cycle



- ▶ Funded by Israel Innovation Authority
- ▶ COD: 2020
- ▶ Optimizing revenue streams & ancillary services



Energy when you need it