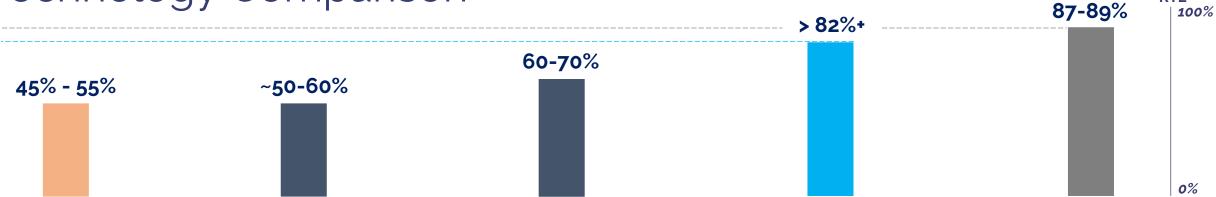


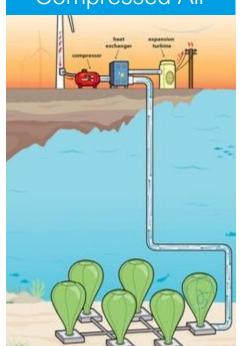
Technology Comparison



Thermally
Hot or Cold Storage



Mechanically
Compressed Air



Mechanically
Pumped Hydro



Mechanically
Energy Vault (CDU)



Chemically
Batteries of All Types

RTE



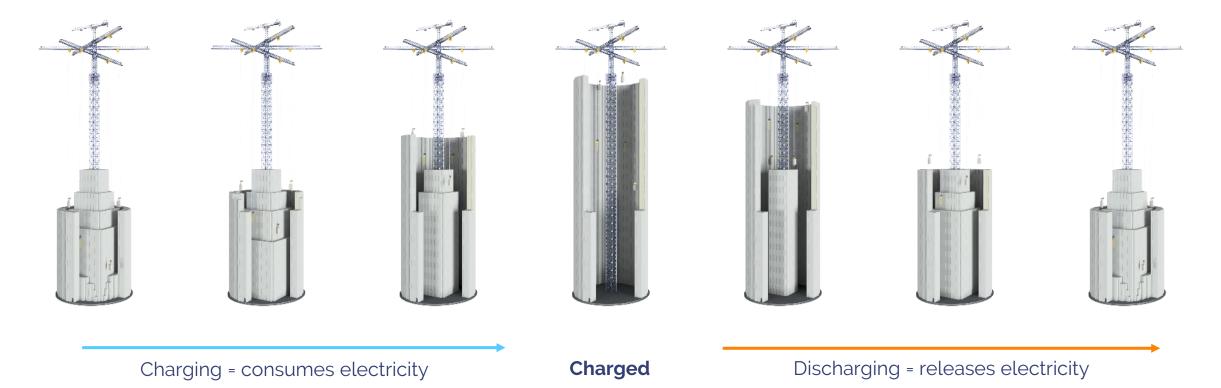
Gravity Energy Storage - How does it work?

EV₁ Product

Power: 5 MW Energy: 35 MWh

Using gravity and kinetic energy to charge, store, and discharge energy

- Energy Vault places bricks, one top of another, to store potential energy and lowers bricks back toward ground, to release energy
- Fully automated 6-arm crane operated by software, provides up to 5 MW of electricity without interruption
- Can charge and discharge between 4 and 50 hours depending on product and customer needs

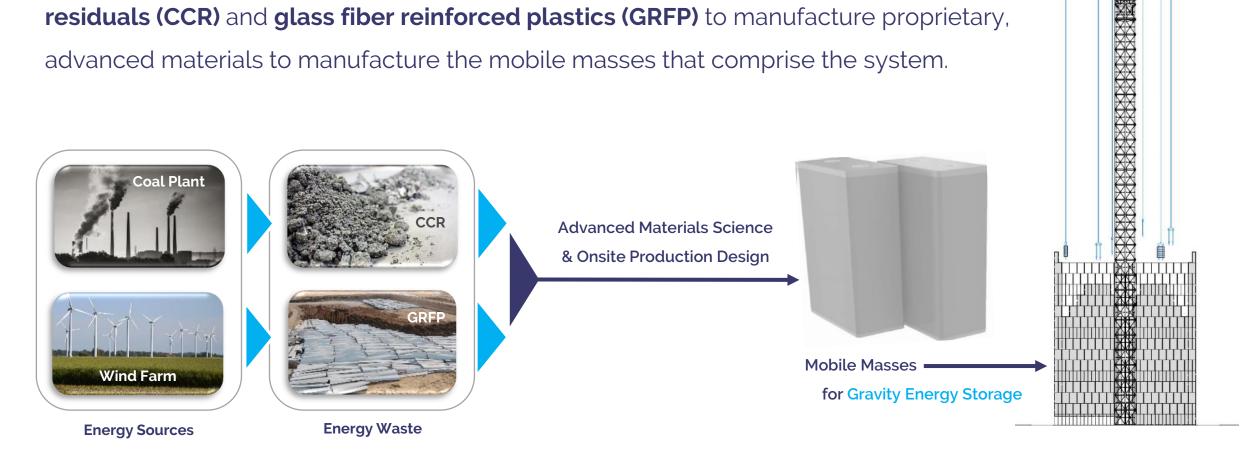




Waste to Energy Storage Opportunity

Converting environmental liability to value via beneficial reuse of waste materials

Energy Vault is the only energy storage solution that repurposes **coal combustion** residuals (CCR) and glass fiber reinforced plastics (GRFP) to manufacture proprietary, advanced materials to manufacture the mobile masses that comprise the system.





EV₁ Product

Power: 5 MW Energy: 35 MWh

MMMMM



Energy Vault offers
gravity-based energy
storage solutions that
are transforming the
world's approach to
delivering reliable and
sustainable electricity.

Gravity Energy Storage

Value Proposition

Energy Vault's technology helps Load Service Entities, Independent Power Producers and Large Energy Users, that need affordable, sustainable and dispatchable power, by reducing their green energy and storage procurement cost.

Advantages

- no storage medium degradation>> lower Capex and Opex
- no fire and hazardous gas riskshigher level of safety
- no end-of-life disposal issues>> lower environmental impact
- levelized cost of storage 40% lower than equivalent Li-ion solution.

Applications

- Renewable shifting
- T&D investment deferral

- Peaking capacity replacement
- Microgrid resiliency

Environmental Remediation

Energy Vault provides the **unique opportunity to remediate environmental liabilities at low cost** by sequestering waste materials into the large bricks and beams used in the storage system.



Proven Technology

fundamental physics combined with proprietary automated control software



Environmental Remediation

opportunity to sequester waste material for mobile mass production



Best In Class Economics

40% lower LCOS; 100% automated operation with minimal OpEx



Unmatched Performance

35+ year life with zero degradation & up to 85% round trip efficiency



Flexible – Modular Scalable

portfolio of solutions from power applications to long duration storage (10+hrs)







1ST Commercial Scale Unit -Mechanically completed in July 2020

Power: 5 MW COD: Sep 2020

THE ENTIRE CONTENTS OF THIS DECK ARE CONFIDENTIAL