Clean, reliable electricity, ALL THE TIME

LDES National Consortium Annual Workshop Presentation September 2024



DOE: \$0.05/kWh Cost Target by 2031

Long Duration Storage Shot



Reduce storage costs by **90%***...



...in storage systems that deliver **10+** hours of duration



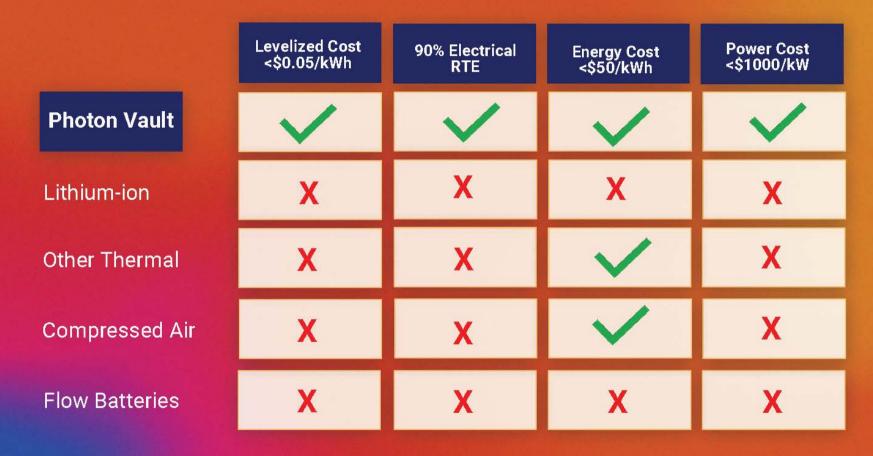
...in 1 decade

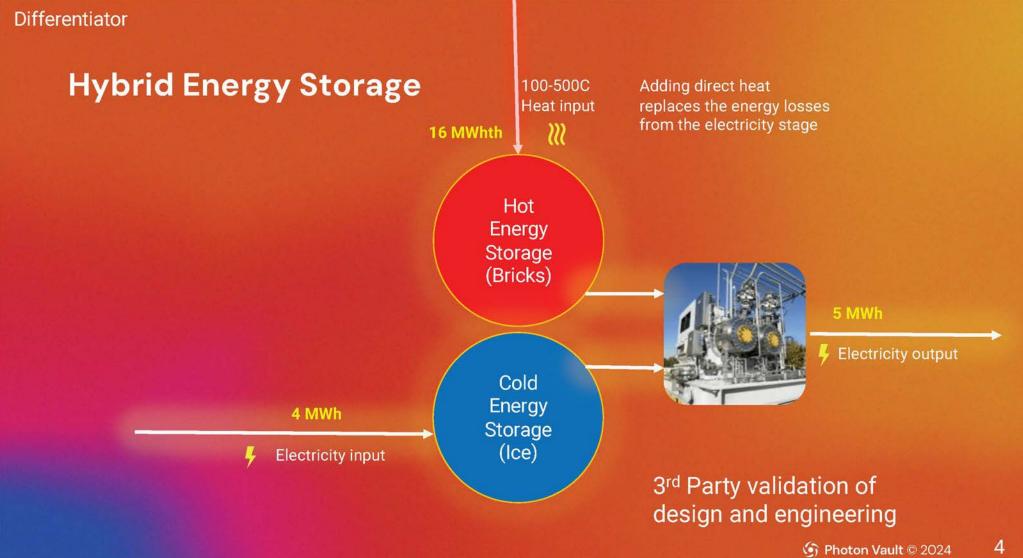
*from a 2020 Li-ion baseline

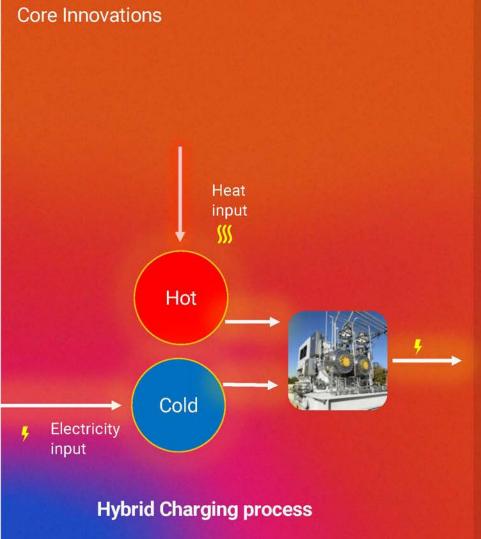
Clean power anytime, anywhere.

Solution

How do you get to 5-cent Storage??







10X Cost Reduction

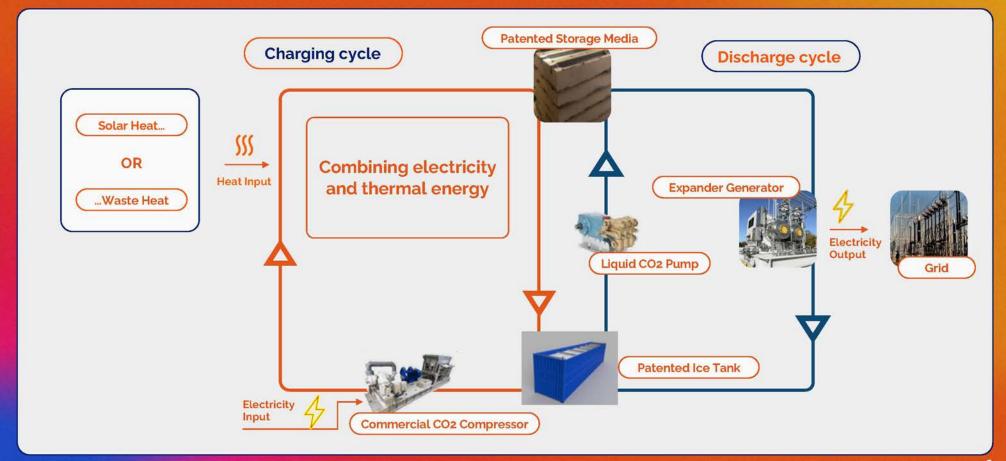
Bricks for storing heat





Ice Tanks for storing cold

Integrated System



Longer Duration Storage = Lower Spread

In California, a 4hr battery will earn about 35% more average revenue per hour than will a 10hr battery.

Longer durations require lower costs and higher efficiencies to succeed.



Recent historical example: hourly energy prices in CA

Clean, reliable electricity **ALL THE TIME**

APPENDIX

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