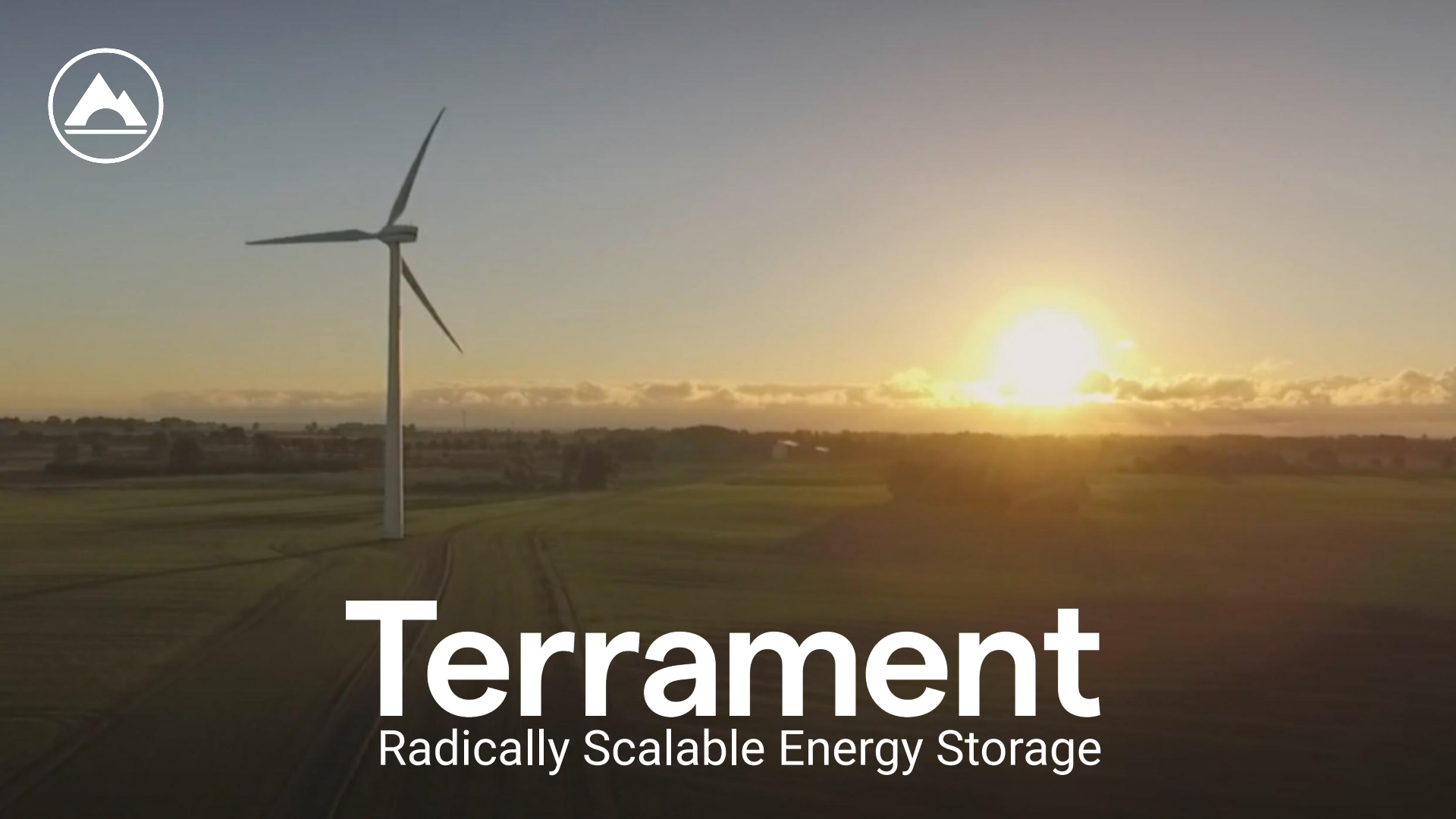
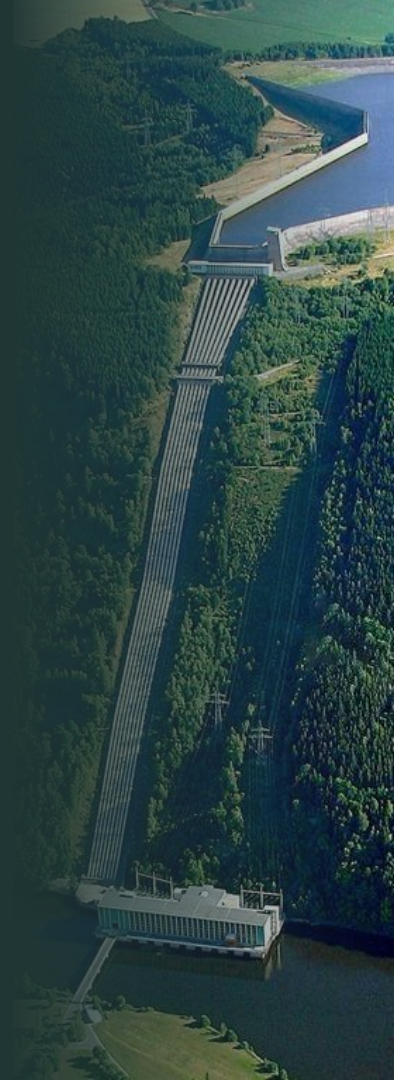

Terrament
Radically Scalable Energy Storage

Problem Long-duration energy storage

Wind & solar demand Long-duration energy storage

Pumped hydro is our only solution, and it's tapped out.

Need a new solution. Must be cheap/scalable/low-risk.



Solution Old: Pumped Hydro Gravity Storage

Mgh → (**Mass** × × **Height**)

↑High demand? Drop water through turbines

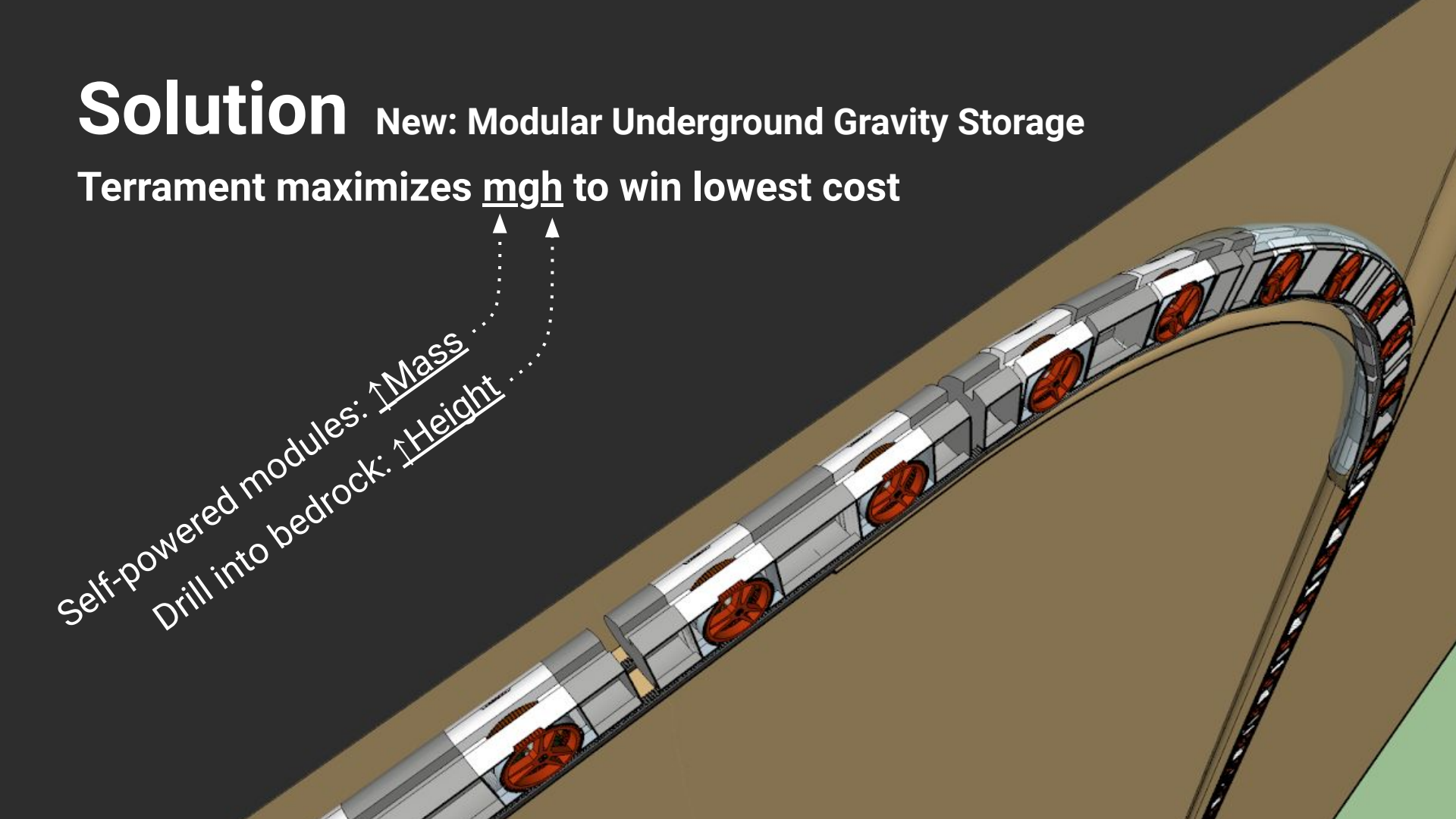
↓Low demand? Pump water back uphill

Solution New: Modular Underground Gravity Storage

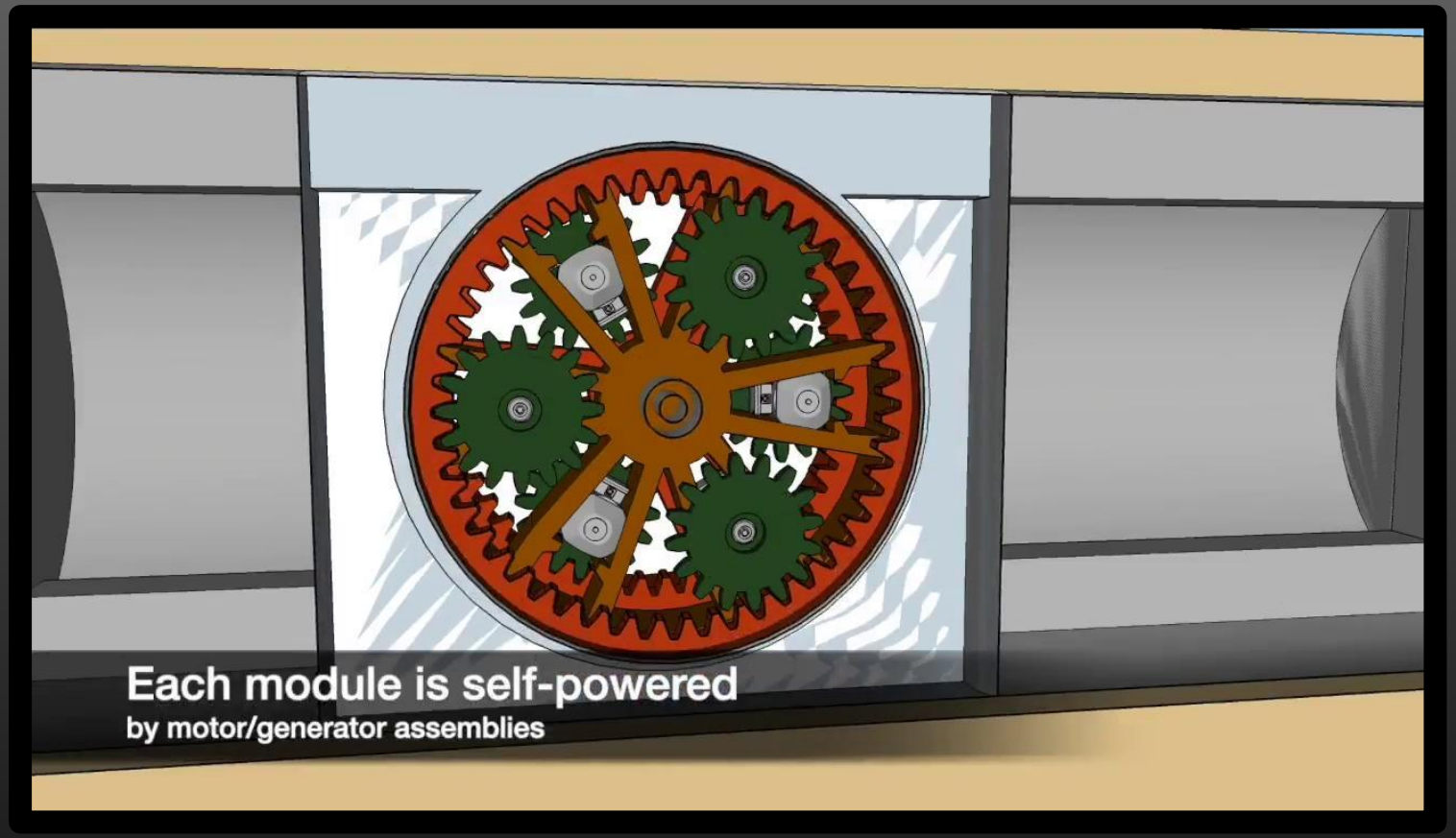
Terrament maximizes mgh to win lowest cost

Self-powered modules: ↑Mass

Drill into bedrock: ↑Height

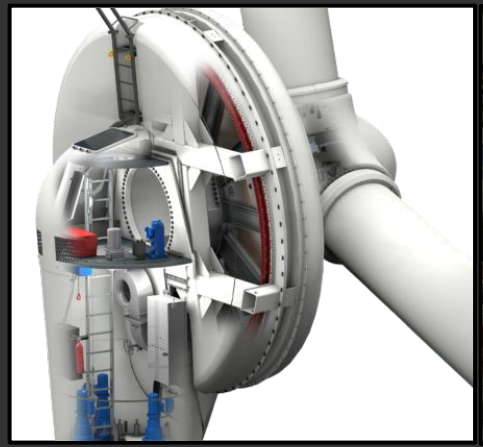


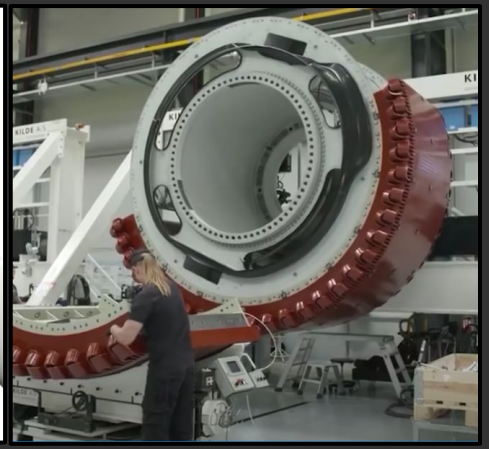
Solution: Video



How it works **Maximized <u>weight</u>**

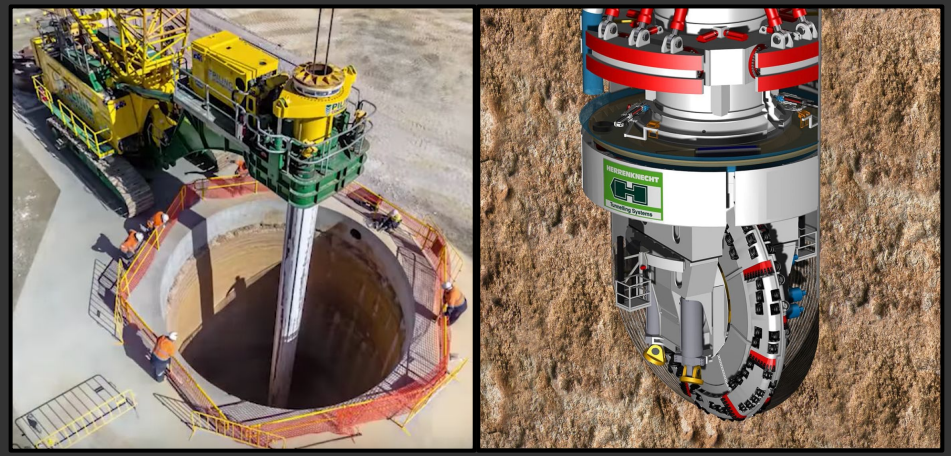
- Proven wind turbine tech
- Modules support their own weight
- 100% volume. 1 mile concrete stack.

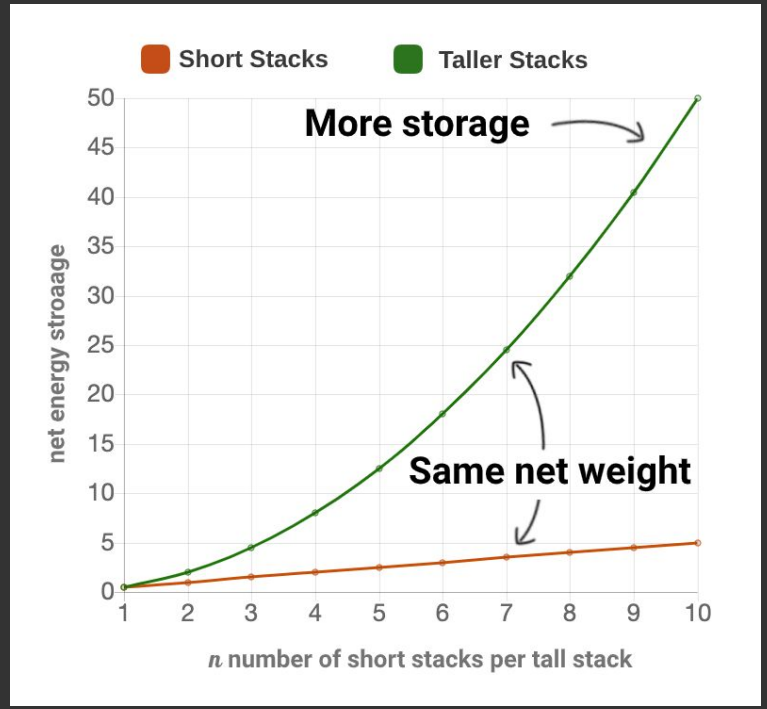




How it works **Maximized <u>height</u>**

- Proven mining tech
- 1 mile deep
- 10x height gives 10x storage/weight

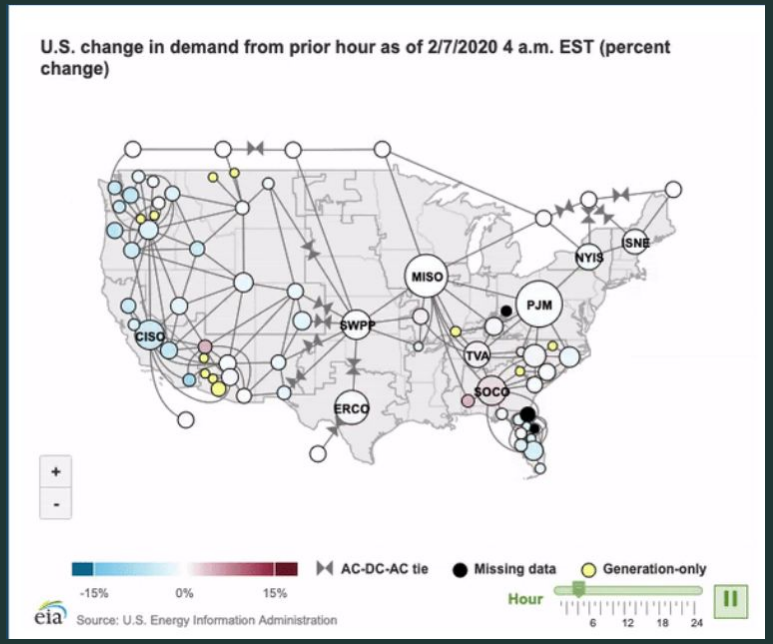


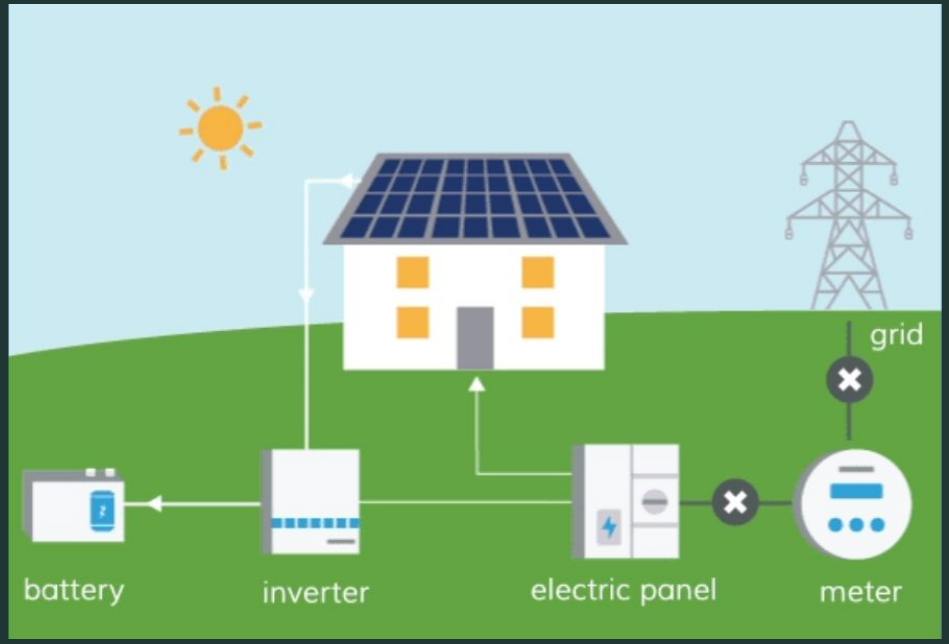


Environmental Impact

100% Wind & Solar only works if we *balance variability*

Transmission=location balance; **Energy Storage=time balance**

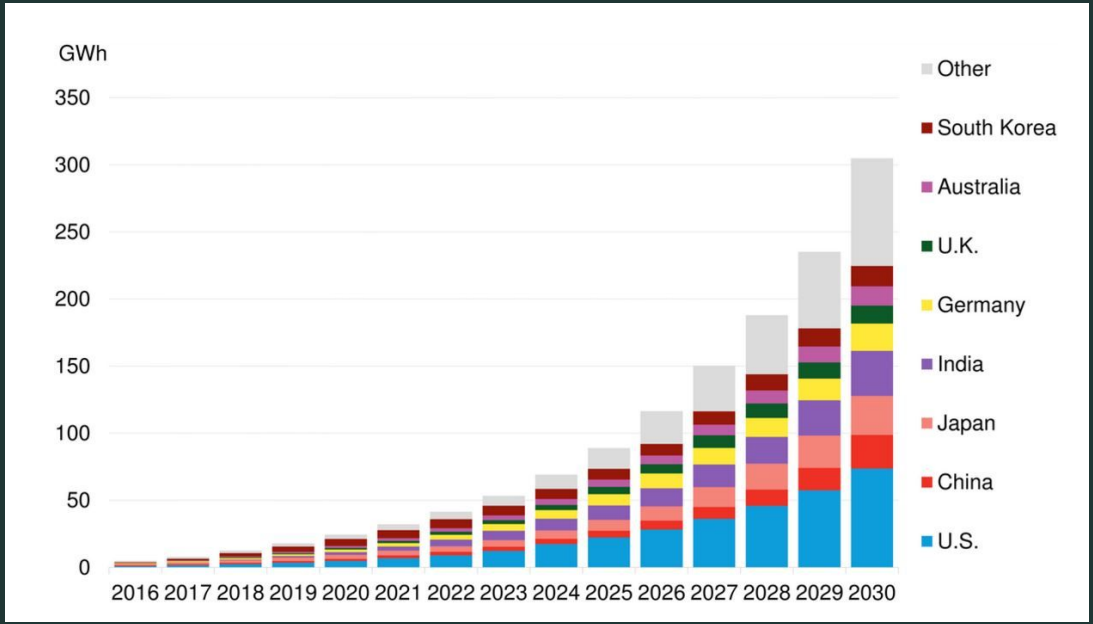




Market Growth 3.5% AAGR

TAM, Global: **$1.2 Trillion by 2050**

TAM, US: **$135 Billion by 2050**



<u>Market Timing</u>

- Pumped Hydro is tapped
- No market-ready solutions
- Favorable low interest rates

<u>Terrament is Ready</u>

↑Scale ↓Cost ↓Risk

Terrament Team

Our team of advisors; co-founders TBD

Eric Chaves

CEO, Technologist

Entrepreneur, Software Developer. Background in Architecture & Engineering

Colin Bateson

Mechanical Engineer, PhD

Mengye Chen

Civil Engineer, PhD (2021)

Isabelle Heye

Mechanical Engineer, ME

Gregory R. Scott

Civil Engineer, PE

Etinosa Ogiesoba

Electrical Engineer, ME

Support Crew

Creatives, etc

Business Model **Sell a green energy “holy grail”**

24/7 green energy, cheaper than oil

- Renewables → 4¢/kWh
- Terrament → 2¢/kWh

= 6¢/kWh LCOE. *Cheaper than fossil fuel!*

Key Early Strategies

- Inspire & hire top experts
- Find patient, long-term investors
- Launch with small utility partners
  - Growth in CA, OR, WA, NY, etc

Typical Project Scale

- Power: 200 MW → 2 GWh
- Cost: $175M → $90/kWh
- **LCOE: 2¢/kWh**

Go To Market **Sell expertise. Outsource scale.**

Leverage patents. Sell solutions, and IP.

- Terrament will architect & engineer installations.
- Utility companies will fund and own them (with outsourced construction)

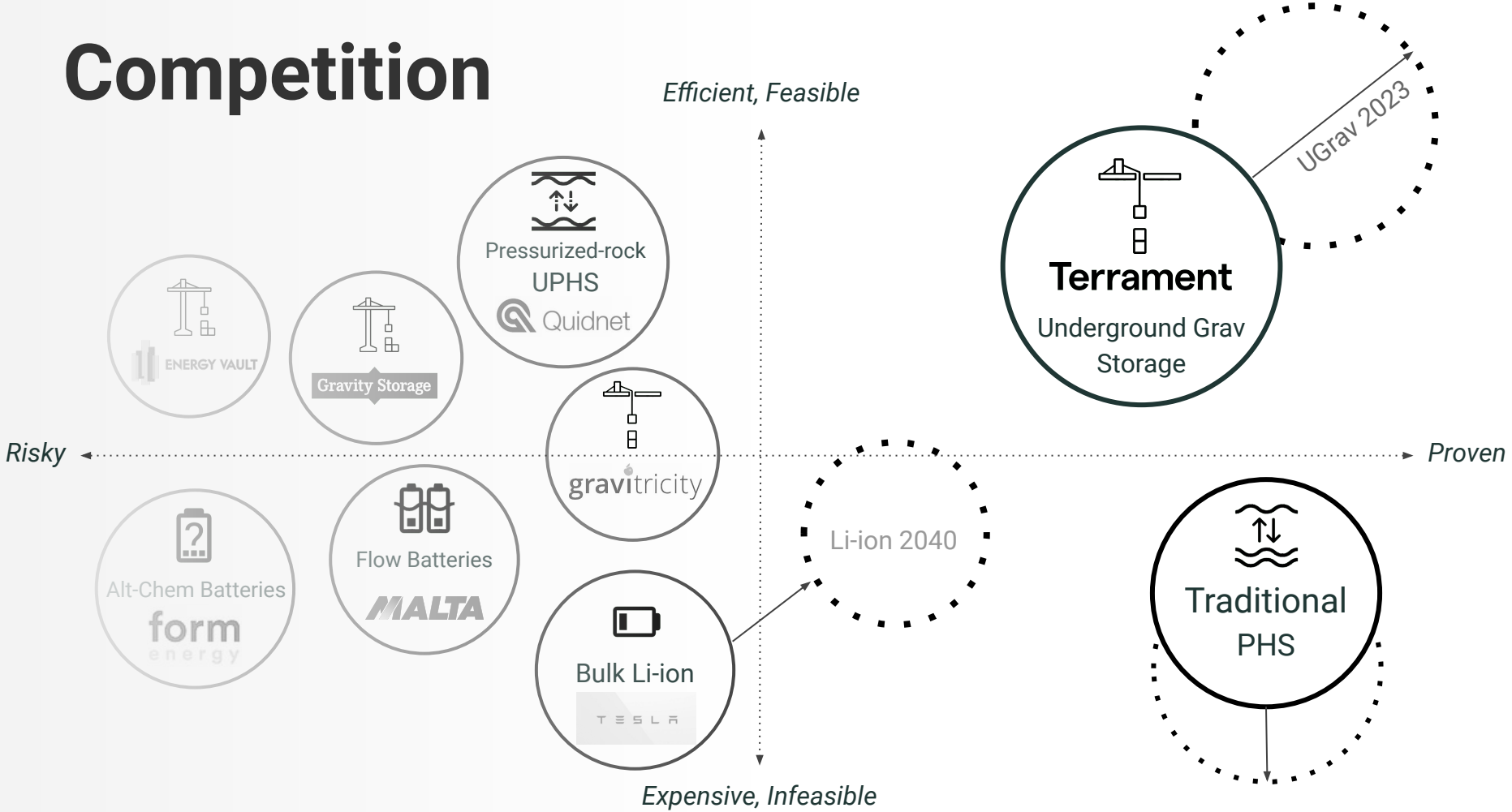
Years 1-5

- Sell/lease solutions
- Partner with utilities & energy developers to fund & build them.

Years 5+

- Build our own installations
- Value stack energy storage products

Competition



Financial Projections

We need patient investors seeking huge, long-term rewards.

1 yr

Alpha Phase

Debt: $1 million
Sales: $0
Profit: -

- Research and Design
- Prototyping

3 yr

Market Launch

Debt: $10 million
Sales: Minimal
Profit: -

- Launch First Projects
- Accelerate partnerships
- Sell IP and hardware

8 yr

U.S. Expansion

Debt: $XX million
Sales: $XXXX million
Profit: $XX million

- Multiple Projects
- Sell Energy Contracts
- Expand Product Lines

13 yr

Global Expansion

Debt: 0
Sales: $XX **billion**
Profit: $X **billion**

- Become a global leader in clean-tech energy

Our Ask: $200k Angel Investment

We’re seeking $200k to carry us to our $1M Seed Round

Angel Round

Ask: $200K

Timing: In 3 months
Monthly Burn: $10K
Current Runway: 6 months

- Patent lawyer fees
- Grant writing consulting fees
- Further develop designs and 3D CAD models

Seed Round

Ask: $1M

Timing: In 9 months
Monthly Burn: $20K

- Develop a functional bench-scale prototype
- Leverage Alpha to secure contract w/ partner Utility

Terrament

Thank you

See Appendix

eric@terramenthq.com