

# Tecnologías sostenibles que cambiarán el mundo

*Sustainable technologies that will change the world*

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## ABSTRACT

### **Stationary Energy Storage: The Epicenter of Renewable Adaptation and The 21st Century Grid**

Eli Paster

Stationary energy storage seeks to disrupt the electricity markets on a global scale. Safe, inexpensive energy storage, the missing link in the electricity grid's 140-year history, will:

- Supplement large capital infrastructure upgrades with low-cost storage.
- Pair with renewables to realize cost effective alternatives to fossil fuel generation.
- Upturn legislative and regulatory restrictions, ushering in digital and energy-sharing economic and societal opportunities.

PolyJoule has developed a non-lithium form of energy storage that is built purposely for the electricity grid. Safety is molecularly designed into our battery chemistry, streamlining permitting and usability. PolyJoule batteries can respond to both base loads and peak loads in microseconds, allowing the same energy storage system to participate in multiple power markets and deployment use cases. Upfront asset costs are low. Lifetime battery reliability is high.

This lecture will introduce PolyJoule (<http://www.polyjoule.com/>), our proprietary energy storage chemistry, its performance profile, and how congested electricity grids, renewable adaptation, and environmental tidal waves all benefit from low-cost, high-power energy storage assets.