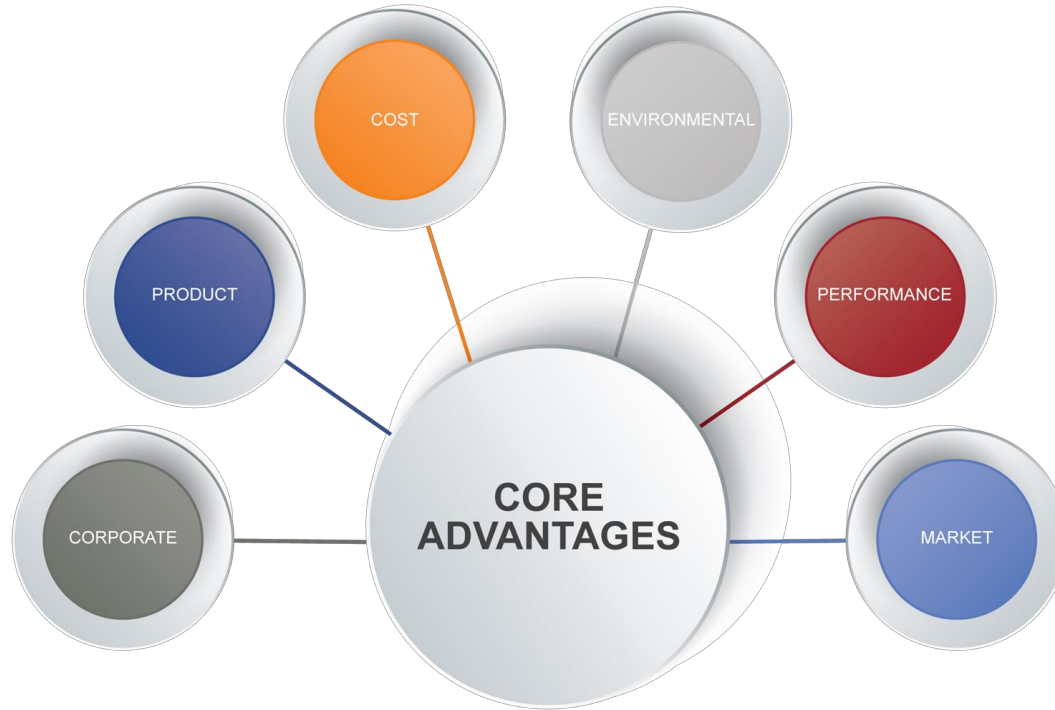


# Value Proposition



# Value Proposition

## CORPORATE

- **Technology expertise covering 10 years of R&D** funding from both private equity and DOE grants
- Extensive real-world lessons learned and over 120 patents
- Years ahead of the thermal energy storage competition
- Established industry partnerships and supply chains enable faster time to market and competitive pricing

## PRODUCT

- **Modular and scalable:**
  - 10 MW to 100 MW (50MW base configuration)
  - 6 to 24 hours of energy storage
- Reliable; built-in redundancy with no single point of failure for energy storage system
- Fast to deploy; plug-and-play system
- Inherently safe, no flammability or toxicity

## COST

- **Lower CAPEX than Li-Ion batteries** for long-duration storage:
  - At 12 hours half the CAPEX of Li-Ion
- Low lifetime cost – no replacement costs compared to batteries, with a longer system lifespan
- Mitigates risk of future price increases due to predicted shortages in key battery materials
- sCO<sub>2</sub> generates power at a lower installed cost

## ENVIRONMENTAL

- **Environmentally safe**
- No toxic chemicals – only uses nitrate salts, which are commonly used as fertilizer
- No battery disposal issue
- Smaller footprint

## PERFORMANCE

- **No degradation over 30 years of operation**
- Able to fully charge and discharge daily
- sCO<sub>2</sub> provides 60% RTE, and eliminates inherent steam power generation components and issues

## MARKET

- **Geographically unconstrained**
- Long-duration storage for wind and solar plants, providing supplemental generation during peak pricing as well as firm capacity