Reuse assets
Reduce costs
Re-energize power

3rd Thermal-Mechanical-Chemical Energy Storage Workshop
August 10th, 2021
PRODUCT | BOLDERBLOC™ MODULAR TES SYSTEM

- Patented Steel Tube & High-Temperature Concrete Design

- Over 55 BolderBloc™ modules manufactured to date

- Max Temp: ~600 °C

- ~650 kWh$_{thermal}$ per module
• $4 M DOE/NETL Award

• 10 MWh_e Pilot Plant

• Supercritical Steam
  • ~530 °C
  • ~230 bar

• Partners Include:
  • EPRI | Lead
  • Southern Co | Site Host
  • United E&C | EPC

• Operational: Q1-2022
Electricity (Resistively-Heated) or other Thermal Heat Sources
Save Jobs
Prevent Waste
Lower Capital Requirements

U.S. annual coal-fired electricity generation capacity retirements (2011-2025) gigawatts

Don't Destroy - Reuse

Turbine/Generator: $905/kW
Interconnection: $134/kW
SALES PIPELINE | TOP 12 PROSPECTS

Electric Power Market | Projects | Power (MW)
Southeast          | 3        | 972        
Southwest          | 3        | 539        
CAISO              | 3        | 259        
SPP                | 2        | 224        
ERCOT              | 1        | 261        

12                  | 2,255    

~2.3 GW
~$1.9 B