CRATUS™

ThermaBlox™ EMPC Enhanced Molten Salt Thermal Energy Storage

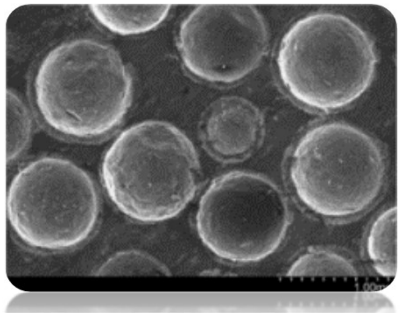
Solar Energy including PV and CSP is highly variable, and provides power only during daylight. To provide reliable solar power, long duration energy storage is required

ThermaBlox is a modular thermal energy storage system capable of providing long duration energy storage in 5MW-hr factory produced mobile modules. It can be coupled directly with a CSP system, or convert excess PV power into heat, to be released later

ThermaBlox™ provides molten chloride salt storage systems with the highest operating temperatures (smallest size, highest efficiency) coupled with sCO2 cycle generators and smart transformers for deployable and fixed local grid integration. 70% lower cost than current generation thermal energy systems. 15X the energy footprint of Li-ion, non-hazardous

ThermaBlox thermal energy storage offers truly scalable energy storage for large industrial, commercial, health care, data storage, and military facilities lowering energy bills and enabling reliable long term operation and significant freedom from the grid in emergency situations. Coupled with wind or solar renewable energy offers the lowest levelized energy and CO2 costs.

Current maturation stage: concept at systems design level. Testing prototype components that are part of the system



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