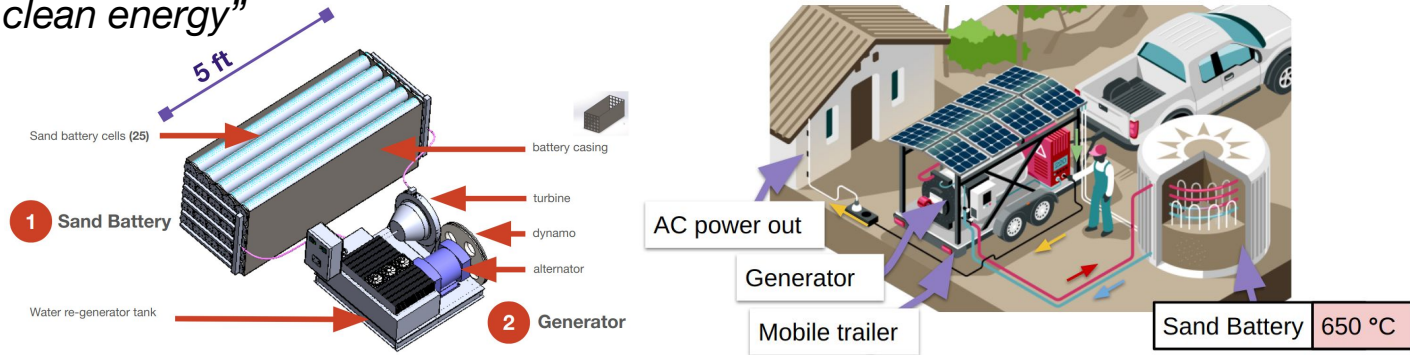


Mobile Solar Thermal Sand Battery System



“Sand Battery Solar: Cheapest, most eco-friendly way to transition off-grid communities to clean energy”



Problem: The **solar energy adoption** is limited by the **high cost of energy storage** for rural, off-grid, and tribal solar installations that **require batteries**.

Solution: mobile sand battery - store solar energy as heat in sand, and convert it back into electricity

>Successfully implemented in Saudi Arabia and Finland, goal is mass US adoption

Benefit: Cost-effective, enable US-Supply chain, no rare earth minerals, long-term durability

Team: experts in thermal sand energy storage and environmental justice

Target Partners: West Feliciana, Louisiana, Tribes of Warm Springs Reservation, Hopi Reservation