



Malta Inc.

ConVERSE 2026 – Alvaro Mozo

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CONCENTRATED SOLAR POWER (CSP) + MOLTEN SALTS STORAGE

POWER TOWER / CENTRAL RECEIVER SYSTEM



Masdar Shams 1 100 MW CSP, UAE



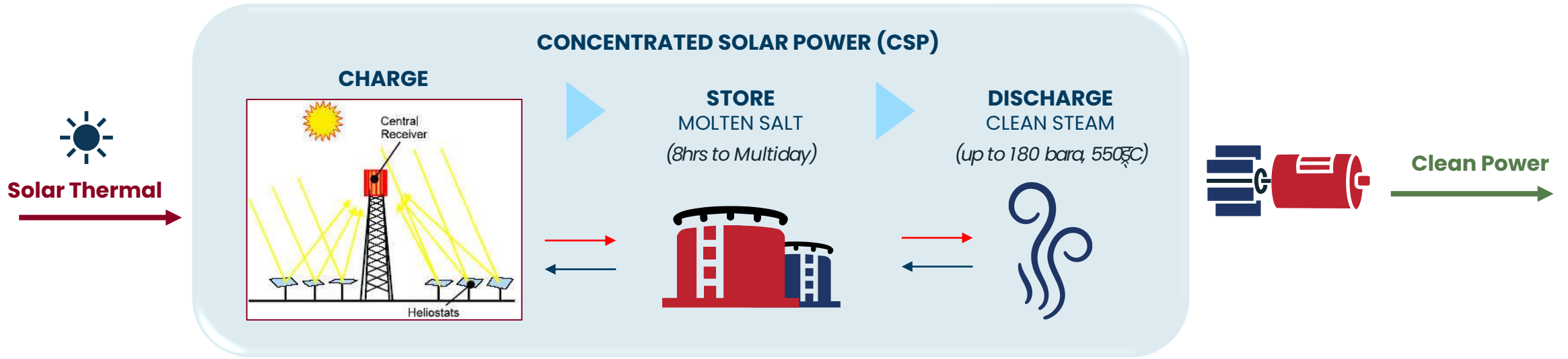
Jinta Zhongguang 100 MW CSP, China



Molten Salt
Tanks

CSP: SOLAR THERMAL ENERGY STORAGE

POWER TOWER / CENTRAL RECEIVER SYSTEM + MOLTEN SALTS



Advantages vs PV+BESS

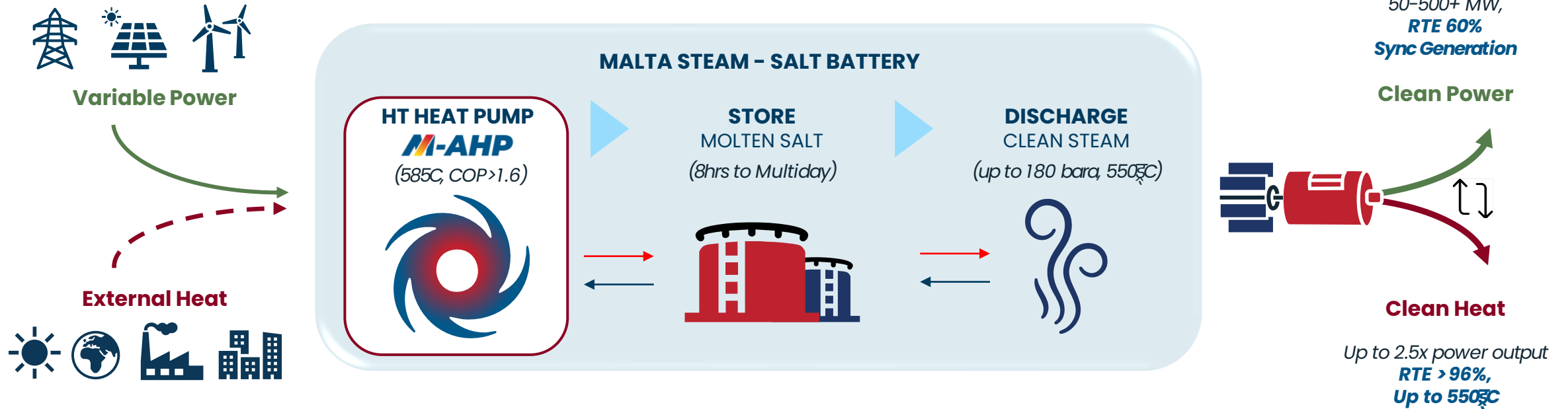
- Long Duration Energy Storage, without degradation
- Dispatchable, firm power with sync generation
- High temperature output
- No critical minerals

Disadvantages vs PV+BESS

- Higher LCOE vs PV+BESS
- Stricter geographical constraints
- Longer construction timelines

MALTA: PUMPED HEAT ENERGY STORAGE

MALTA ADVANCED HEAT PUMP + MOLTEN SALTS = DECARBONIZATION OF POWER & HEAT + GRID SERVICES



Flexible Power and Heat



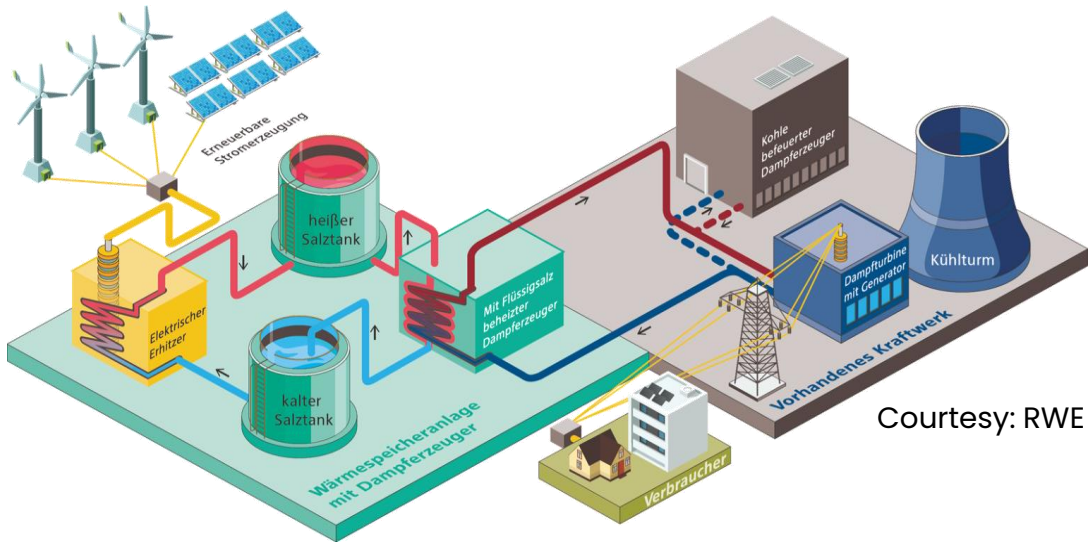
Integration-Ready with Existing Assets



Scalable / Grid Services

INTEGRATING MOLTEN SALTS + FOSSIL FIRED POWER PLANTS

OPPORTUNITIES FOR LARGE SCALE INTEGRATION



Courtesy: RWE

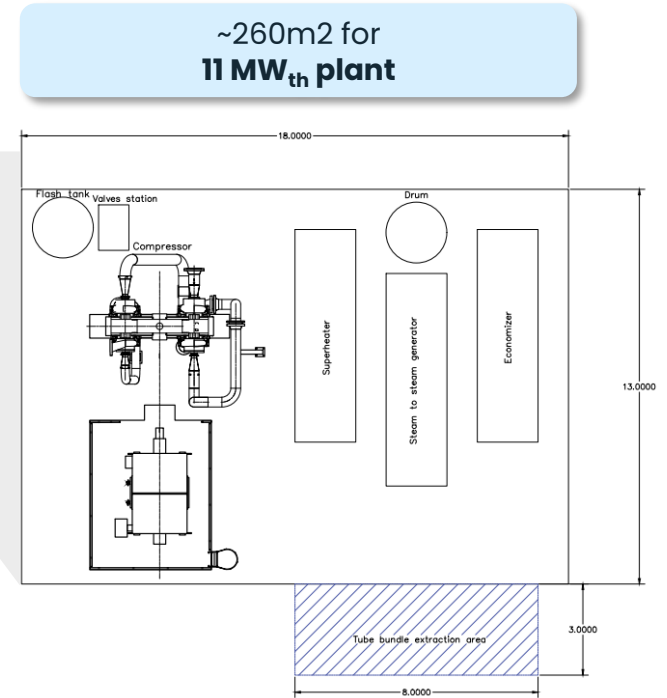
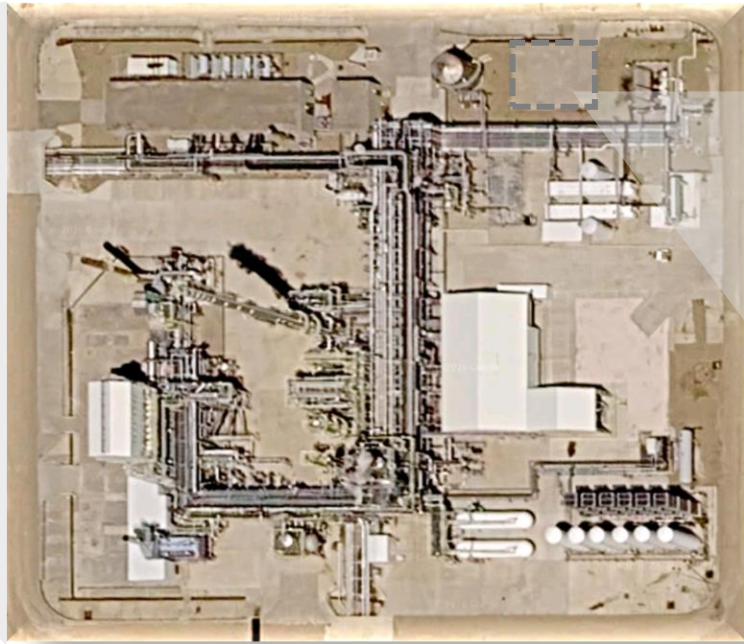
RWE Pilot project: coal power plant, Germany (2019)



1GWh_{th} molten salt in CHN Energy's 630MW coal power plant, China (2025)

MALTA - FIRST COMMERCIAL PROJECT

11 MW_{th} MALTA ADVANCED HEAT PUMP (AHP) AT METHANOL PLANT IN TEXAS



PRODUCT & COMMERCIAL PATHS

COMMERCIALIZATION ROADMAP

- Industrial applications
- Energy applications

