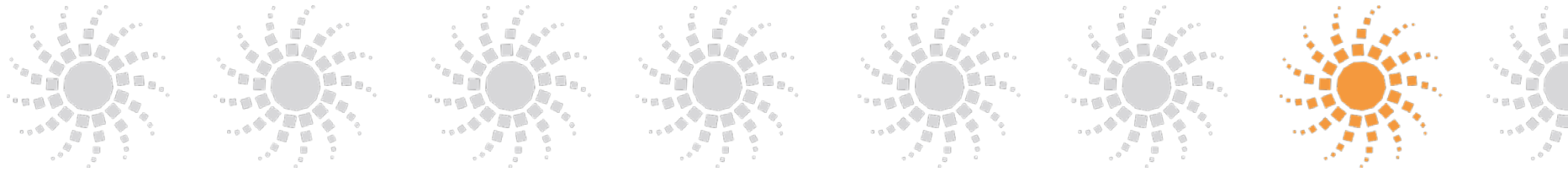


SOLARRESERVE



THERMAL ENERGY STORAGE

Tim Connor, VP of Engineering

May 2010

TURNING THE SUN INTO THE SOLUTION

ABOUT SOLARRESERVE



Developer, owner and operator of large-scale concentrated solar power (CSP) projects

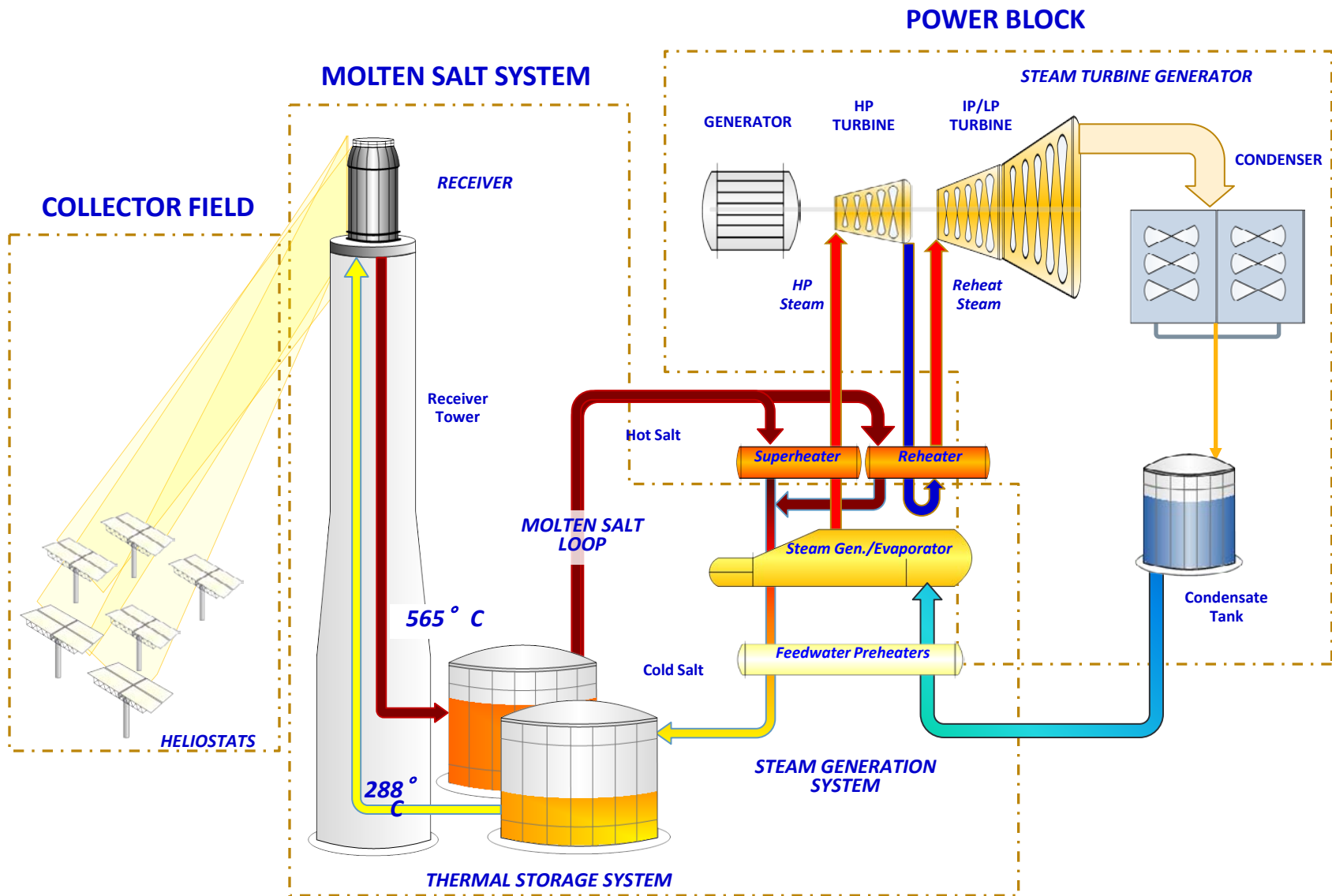


Technology provider is United Technologies Corporation's Pratt & Whitney Rocketdyne division, premier designer of rocket engines

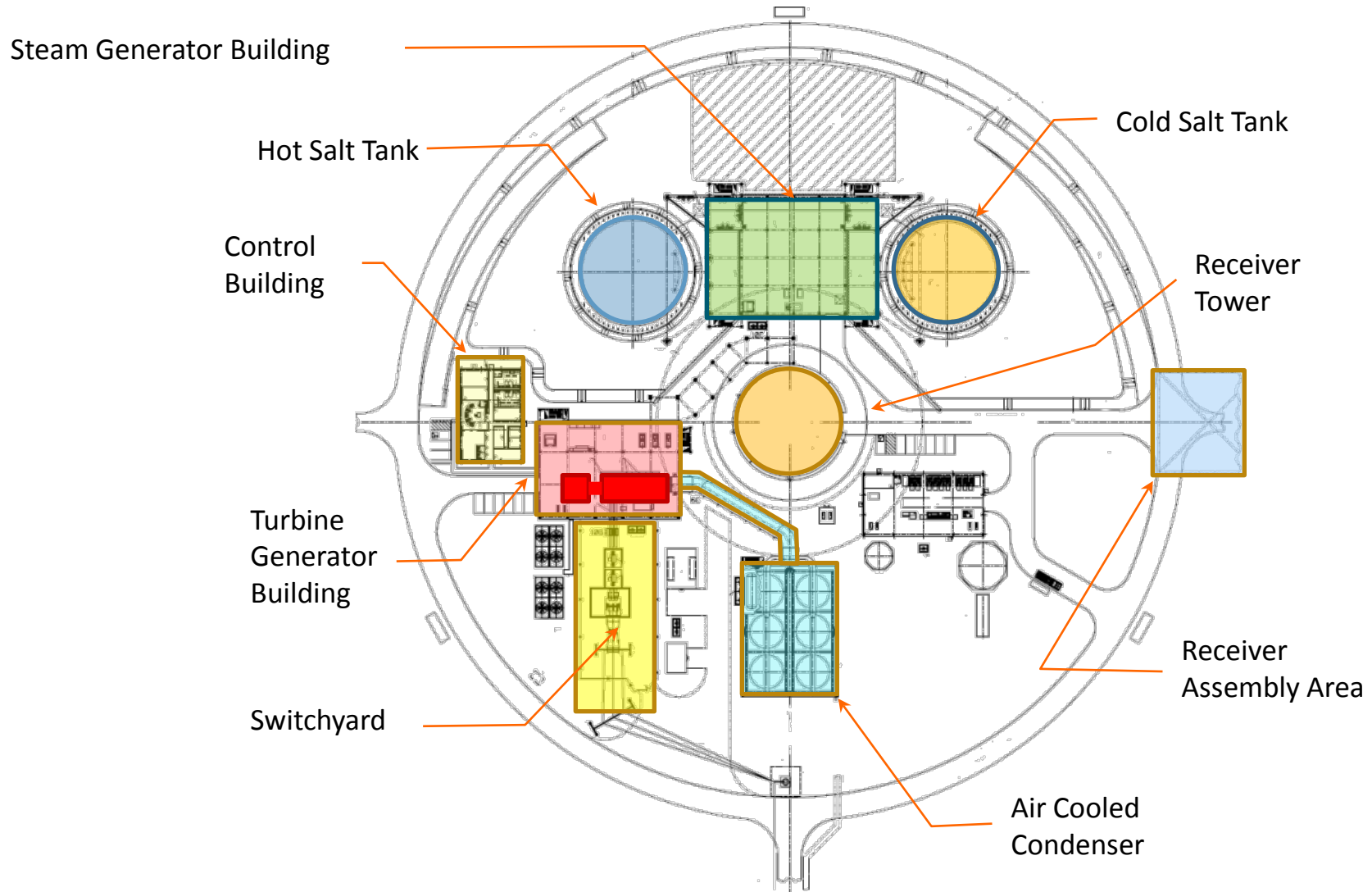


Well capitalized solar energy development company based in Santa Monica, California

HOW THE TECHNOLOGY WORKS

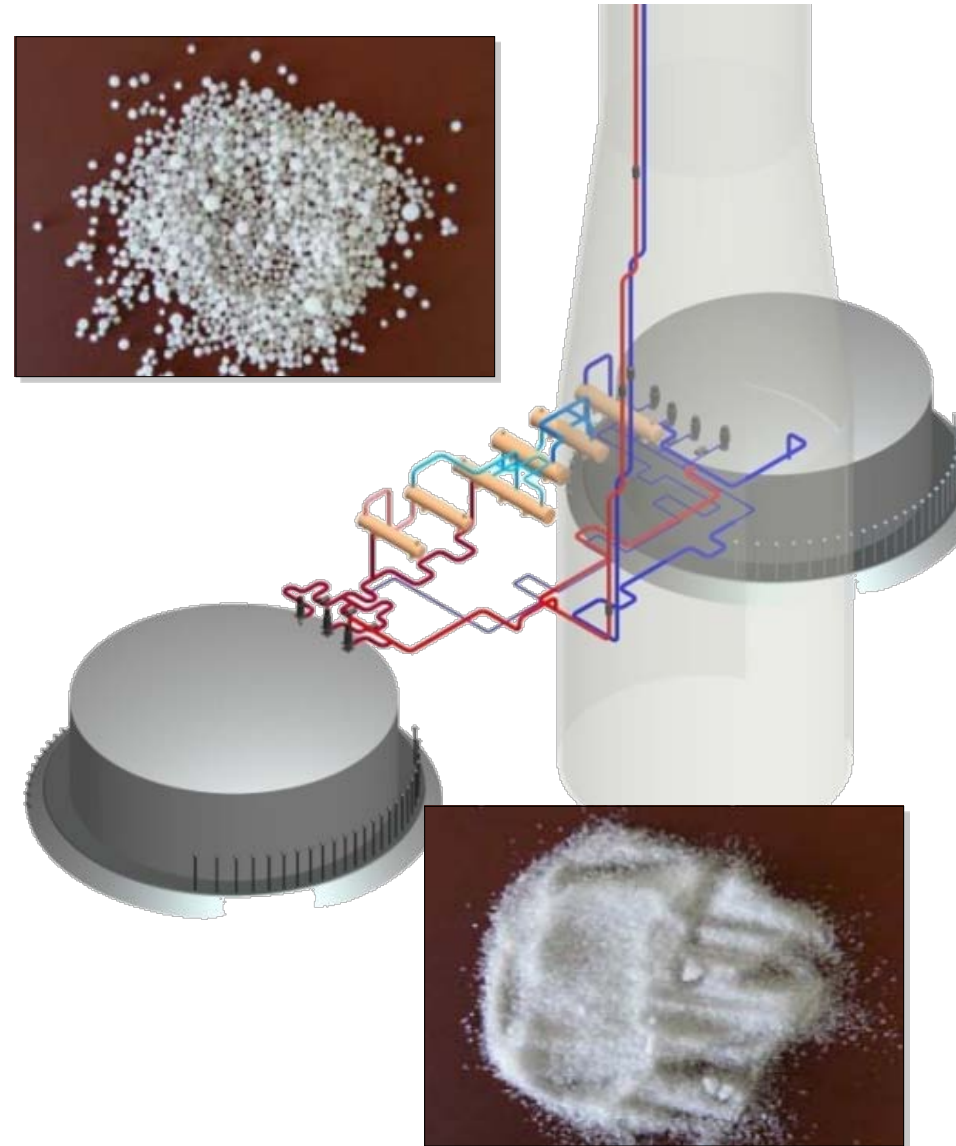


GENERAL PLANT ARRANGEMENT



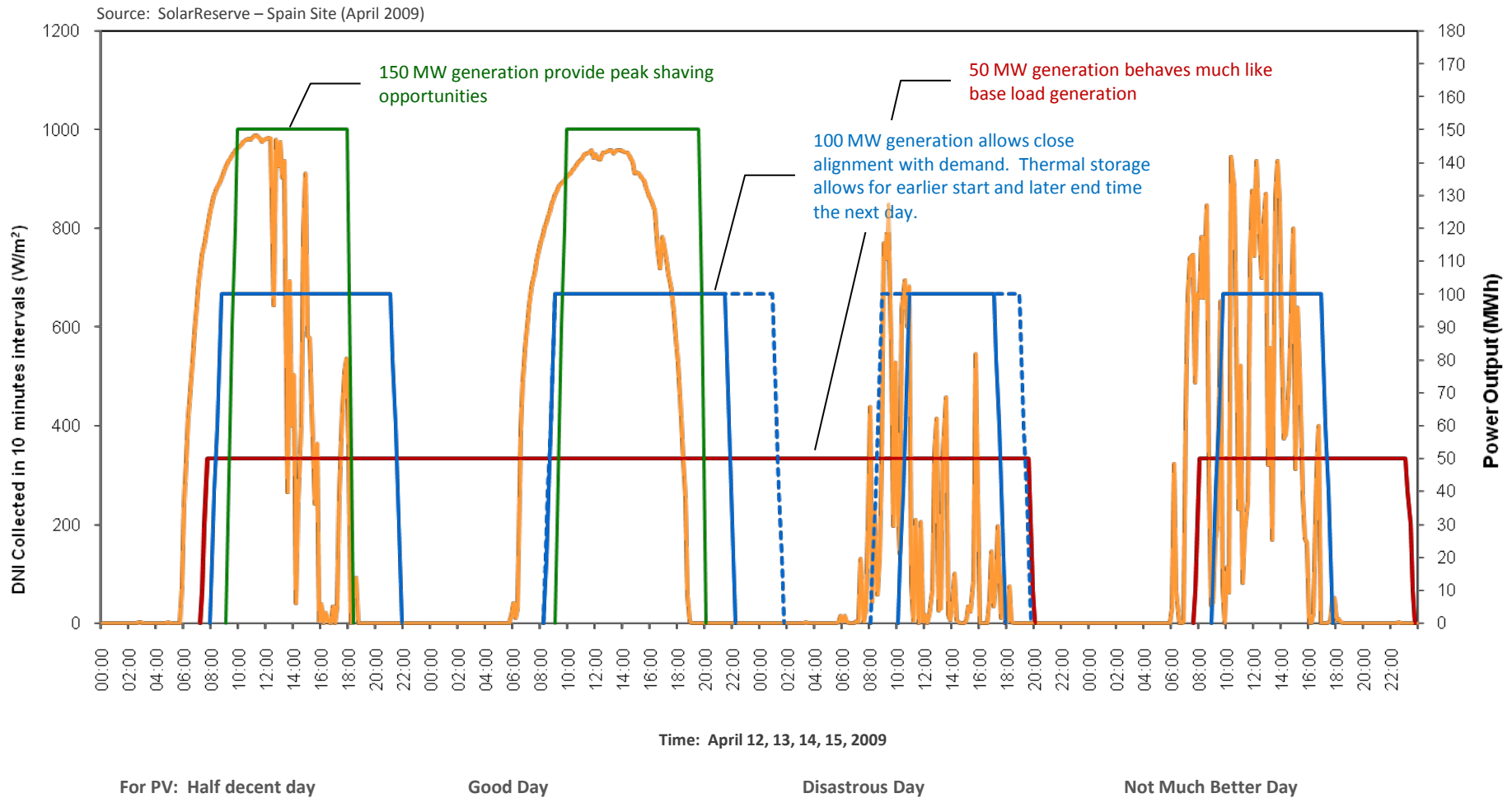
VALIDATED MOLTEN SALT MIXTURE AT DOE SOLAR TWO

- 60% NaNO₃ / 40% KNO₃
- 550 ° F – 1,050 ° F range
- Demonstrated at Solar Two
- Environmentally benign
- Typically 2,500 MW-thermal of storage
 - 20 hours for 50 MW systems
 - 10 hours for 100 MW systems
 - 7.5 hours for 150 MW systems
- Tank, pump & valve systems matured
- Negligible loss – no makeup necessary



INTEGRATED STORAGE

Integrated Storage Eliminates Resource Intermittencies



Summary:

Proven energy storage technology

Dispatchable – ability to tailor delivery based on customer need

Contributes to grid stability

High level of design flexibility

- Peaking capacity**
- Base load generation**

CONTACT INFORMATION

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