

# National Solar Thermal Test Facility Control Room

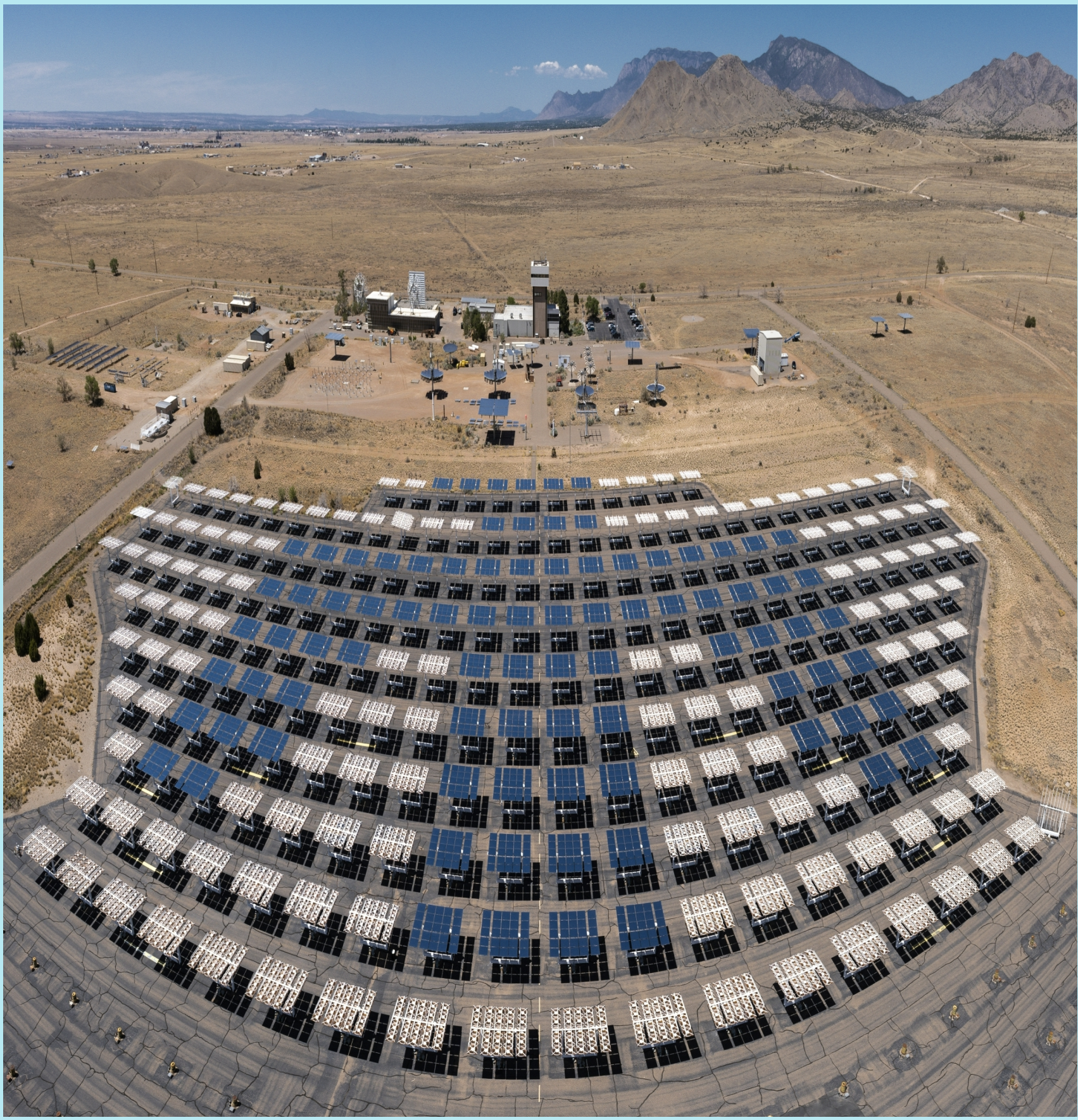
## General Overview

The control room serves the NSTTF to monitor and control testing to continue CSP and non-CSP research. It has high quality systems to continue the growth of partnerships and serve the nation security mission



## Heliostat Field Control System

- Open Control System
- Over 200 Heliostats
- Control Tracking by GPS System
- BCS aimpoint adjustments for optimization



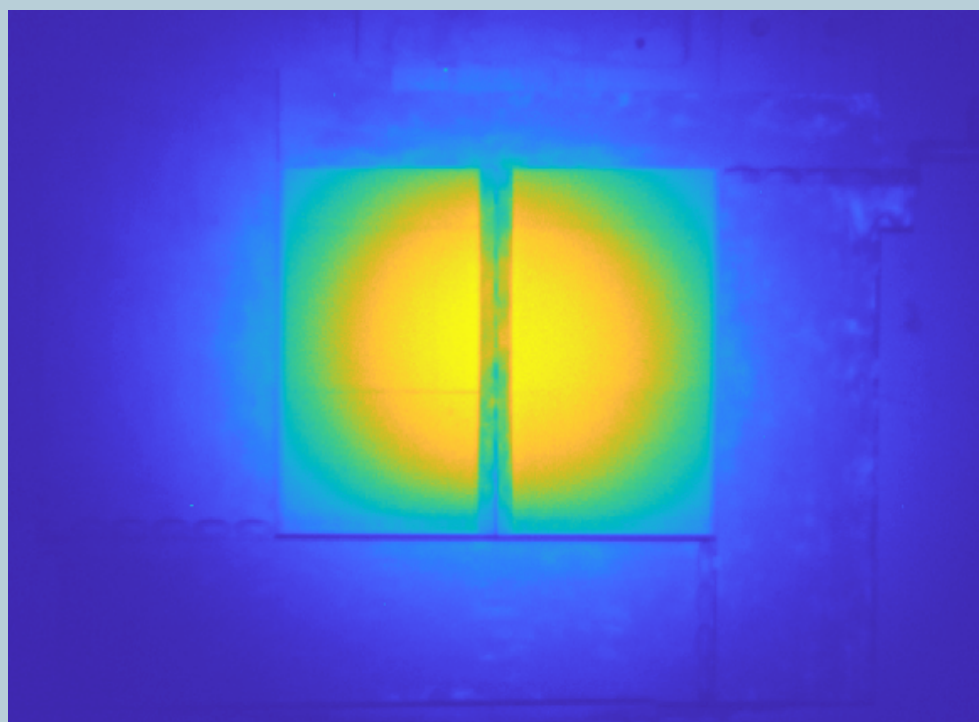
## Solar Tower Test Bays Control Systems

- 5 Test Bays with modular adaptive systems for high speed data acquisition and controls
- Local and Remote Controlled



## Beam Characterization System

- The Beam characterization system helps with characterizing Heliostat optical properties, aimpoint correction to maximize concentrated solar systems efficiency



## Industry Impact and Academia Partnerships

**Industry**  
Agira  
NRG  
SolarReserve  
Solar Dynamics  
Heliogen  
Hukseflux USA  
Raython

**Government**  
DOE  
DOD  
DLR  
FAA  
NASA  
NREL

**Academia**  
University of Tulsa  
Boston University  
Georgia Inst. Tech.  
U of C -San Diego  
Univ. of Arizona  
King Saud Univ.

Australia Nat. Univ.  
John Hopkins University  
University of New Mexico  
New Mexico State University