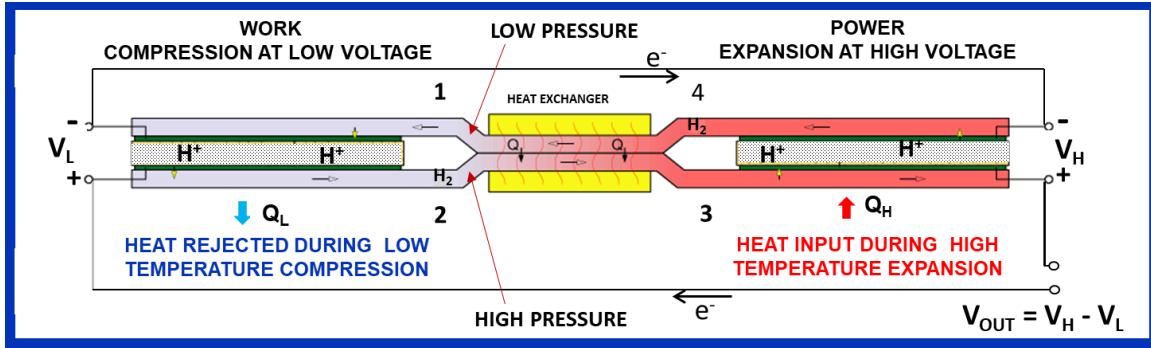
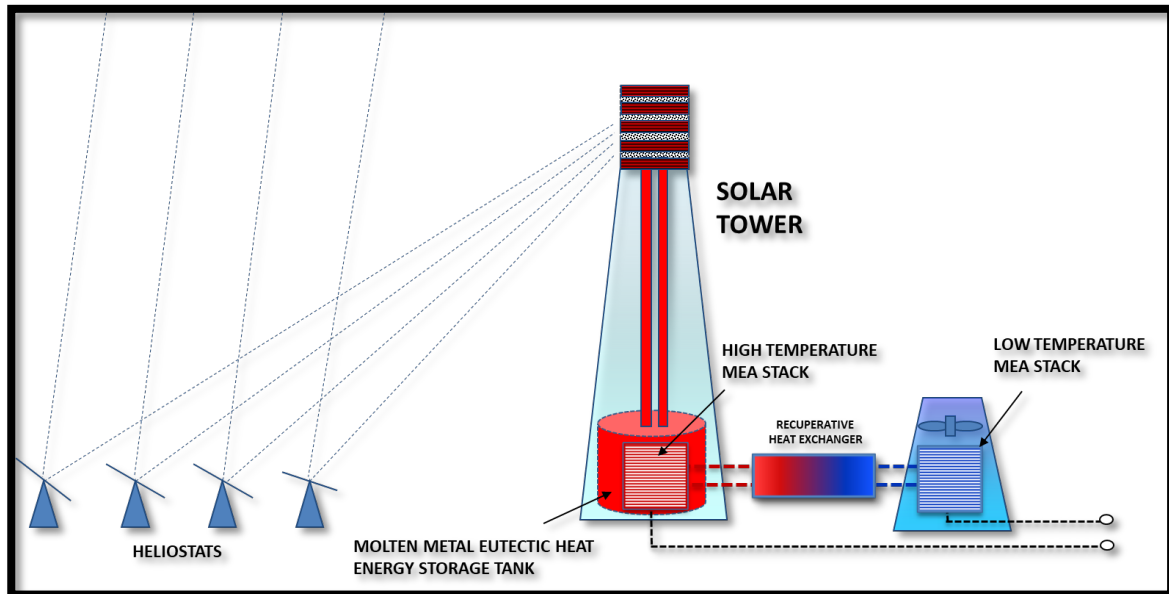


Technical Assistance Request
JTEC Energy

The Johnson Thermo-Electrochemical Converter (JTEC) is a device that converts heat into electricity more efficiently than any device in use today. It uses electrochemical reactions at gas/solid interfaces at different temperatures and pressures to create a potential difference, which can be harnessed to drive electrical current. It has no moving parts, which gives it an advantage over traditional Stirling engines.



When scaled up and used with a solar tower, it will greatly increase the efficiency of the tower:



The JTEC team has expertise in chemistry, engineering and business. We have selected the Solar Energy industry as one of our target markets, and would like to

better understand the industry and how we can develop our device to best integrate into and accelerate the performance of a solar tower.

Specifically, we would like to meet with industry experts early in the product development cycle to determine: packaging, materials, environmental, connectivity, security, storage and business considerations. We are looking for early input in the design phase as we productize and eventually commercialize the device.

We would like to be able to test our prototype at a solar facility.