

## TECHNOLOGY READINESS LEVEL: 6

DELIVERABLE PROTOTYPE TESTING HAS BEEN CONDUCTED.

**US PATENT PENDING**

## TECHNOLOGY SUMMARY

Sandia National Laboratories has created solutions to startup flow issues in supercritical power conversion systems. The Supercritical Brayton Cycle is a power conversion system that is undergoing extensive testing and advancements at Sandia Labs. The Supercritical Brayton Cycle system has the ability to achieve higher efficiency and more cost effective power conversion than current art forms. The new design features and procedures will improve the already advanced capabilities of the supercritical power conversion system. The new design features have been developed and tested over many months, with consistent results.



### POTENTIAL APPLICATIONS

- Electric utility
- Nuclear power
- Oil and gas
- Water Supply and Sewage Treatment
- Renewable Power & Energy

### TECHNOLOGICAL BENEFITS

- Significantly smaller size
- Increased efficiency & power
- Reduced cost due to compact size
- Solution to startup flow issues

### TECHNOLOGY INQUIRY?

For more information or licensing opportunities contact us at

**[ip@sandia.gov](mailto:ip@sandia.gov)**

Refer to SD # 11916

or visit

**<https://ip.sandia.gov>**