

# ThermicPower Systems – Hybrid Heat Input & ORC Electricity Solutions

## Powering Efficiency, Capturing Value

### About ThermicPower Systems

We generate **low-cost electricity** by delivering cutting-edge hybrid energy solutions combining heat engines, advanced thermal storage and AI-assisted control to maximize efficiency, reliability, and sustainability across industrial and commercial sector.



### Key Features

- ✦ Low- and medium-temperature heat-to-power conversion
- ✦ Thermal storage for peak shaving and load balancing
- ✦ AI assisted real-time electricity load and predictive maintenance
- ✦ Integration of multiple heat sources: waste heat, renewable, and low-cost grid electricity.

### 👍 Key Benefits

- ✦ Reduce energy costs & carbon emissions
- ✦ Boost system reliability & operational resilience
- ✦ Unlock untapped energy from waste heat and renewables
- ✦ Maximize performance enabled through intelligent peak demand anticipation and predictive maintenance, including real-time health monitoring and failure prediction: reduced downtime, lower cost, and reliable performance.



### Available Configurations

- ✦ 100 kW – 1 MW, custom engineered systems



### Target Industries

- ✦ Industrial manufacturing
- ✦ Food & beverage processing
- ✦ Chemicals & pharmaceuticals
- ✦ Data centers & IT facilities
- ✦ District heating & cooling networks
- ✦ Waste & water treatment plants
- ✦ Federal manufacturing facilities

### Operational Procedures



- ✦ Phase I: Feasibility studies & technoeconomic assessments
- ✦ Phase II: Virtual prototyping & system optimization
- ✦ Phase III: Pilot installation & performance validation
- ✦ Phase IV: Full-scale system deployment
- ✦ Phase V: Longterm operations & AI-assisted performance management

### Contact Us

#### ThermicPower Systems, A Division of SmartEnergi Corp

📍 SmartEnergi Corp. 235 Peachtree St, NE, Suite 402, Atlanta, GA 30303 USA

[sales@smartenergicorp.com](mailto:sales@smartenergicorp.com)

Phone: 404-301-7385.

<https://smartenergicorp.com/thermicpowersystems/>