THERMAL ENGINEERING INTERNATIONAL (USA) INC. (TEi), a Babcock Power Inc.® company, is a leading supplier of heat transfer technology to the electric power generation and industrial markets. Backed by more than 100 years experience, we offer fully integrated design, engineering, manufacturing, construction, research and development services.

The surface condenser is a critical component in the operation of a steam power plant. Condenser failures can result in forced outages and loss of generation capacity. TEi condensers represent an evolution of advanced technology, offering improved thermal efficiency and advanced mechanical design to reduce forced outages and increase availability.

Our condenser designs can incorporate enhanced deareation systems, and/or a variety of turbine exhaust options, which can assist in improving plant layouts. We continually address and refine these and other considerations associated with circular designs where space is at a premium.
SERVING OUR CUSTOMERS

TEi provides feedwater heaters for conventional fossil generation, solar, biomass, nuclear, IPP/NUG/Co-Gen technology and programs utilizing advanced cycle configurations. TEi facilities are dedicated exclusively to the manufacture of heat transfer equipment for power plant and process industries. Our organization’s advanced programs ensure compliance with the highest quality requirements at our U.S. facilities and licensed overseas operations.

LOS ANGELES HEADQUARTERS
Design teams provide integrated product engineering, resulting in single-point responsibility for design and manufacturing.

JOPLIN, MISSOURI MANUFACTURING FACILITY
Equipped with sophisticated tooling necessary for the precise drilling of tubesheets and support plates. Large floor and lay-down areas eliminate assembly bottle necks and promote efficient material flow.

CERTIFIED SHOP PER THE FOLLOWING:
9001 : 2008
ASME Section I & Section VIII
Chinese Manufacturing License, PED, CRN
National Board U, S, R
Military Standards
IOCFR—Nuclear Non-Safety Related

AWARD RECIPIENT
SHARP (Safety & Health Achievement Recognition Program 2009–14)
FM Global Manufacturing Award of Excellence 2009
TECO Westinghouse Blue Diamond Award 2009
Deviation Management System tools to identify, record, analyze non-conformances and improve quality control system.

FULL RANGE OF HEAT TRANSFER COMPONENT SERVICES
- Feedwater heaters
- Surface condensers
- Moisture separator reheat (MSRs)
- Heat exchangers
- Engineering & field services