LEADERS IN HEAT TRANSFER TECHNOLOGY
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,
ingineering, manufacturing, research and development services.
As the innovator in heat transfer technology, TEi provides exceptional
modular changeout options for steam surface condensers. Modular
changeouts are an efficient alternative to the conventional
retube. Existing condensers can be refurbished, redesigned, and
even upgraded to meet new performance demands and power
requirements. Complete surface condenser retrofits are possible
and can offer a multitude of benefits.
A surface condenser is critical to the efficient operation of a power
plant. Ensure your steam surface condenser is delivering optimum
performance; contact TEi today.

FEATURES / BENEFITS
Reuse existing shell and retain existing connections:
- Modify existing internal structure

New drilling pattern:
- Faster lead time
- Matching replacement support plates

Cages built and aligned in factory:
- Reduced outage time
- Facilitation of installation
- Modules delivered directly to site

Turnkey with TEi Heat Exchanger Services:
- Full range of heat transfer products and services
- Full-trained and certified maintenance personnel
- Wide range of emergency and planned services
- Skilled technicians available 24 hours/day, 7 days/week and 365 days/year
ADVANCED TECHNOLOGY AND TECHNIQUES
TEi’s R&D efforts in titanium and involvement in complex projects have led directly to highly refined fusion welding techniques. Our modular condenser change-out technology employs advanced metallurgy, proven roll/weld techniques, and enhanced installation methods to provide a long, trouble-free service life.

TEi provides surface condensers for conventional fossil generation, nuclear, biomass, solar, IPP/NUG/Co-Gen technology and programs utilizing advanced cycle configurations. Our designs incorporate enhanced deaeration systems, and can accommodate a variety of steam turbine exhaust options to optimize plant layouts.

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

JOPLIN, MISSOURI MACHINING CENTER
Equipped with sophisticated tooling necessary for the precise drilling of tubsheets 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
10CFR—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.