

# SHELL AND TUBE HEAT EXCHANGERS



**TEi**  
a Babcock Power Inc. company

**THERMAL ENGINEERING INTERNATIONAL (USA) INC. (TEi)**, a Babcock Power Inc.® company, is the leading supplier of heat transfer technology to the electric power generation industry, with fully integrated design, engineering, manufacturing and research and development. Our companies have designed and fabricated surface condensers, feedwater heaters, power plant and industrial heat exchangers, and moisture separator re-heaters for the world's power generation industry for over 100 years. Utilizing assets from our EFCO and Struthers Industries units, TEi also designs and supplies a full range of waste heat boilers, and heat exchangers for the petrochemical industry.

## DESIGN & ENGINEERING SOLUTIONS

TEi is widely known for its depth of design engineering skills and ability to isolate, identify, and resolve complex problems, such as corrosion and oxidation. Every TEi heat exchanger design is subjected to comprehensive vibration analysis. Our products are manufactured to the highest standards and we have a distinct global reputation for elite customer service. These attributes, and one of the industry's most experienced staff, help us maintain a customer retention rate well over 80%.



## BENEFITS

- Conforms to all international standards and meets stringent vibration, noise, and performance requirements
- Proven carbon steel, steel with cladding, stainless steel, titanium, Alloy AL-6XN®, and Alloy 2205 duplex available to improve performance, reduce costs
- Isolates vibration from piping
- Balances system for local conditions
- 10 CFR 50 Appendix B Program

## FEATURES

- Full materials options
- Isolates vibration from piping
- ANSI type and rated nozzles
- Customized check valves



Proud member of:





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## 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.

## 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.

## 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.



## FULL RANGE OF HEAT TRANSFER COMPONENT SERVICES

- Feedwater heaters
- Surface condensers
- Moisture separator reheaters (MSRs)
- Heat exchangers
- Engineering & field services

### SAFETY<sup>9</sup> PEOPLE. POWER. PROJECTS.

We're giving safety the third degree.

Babcock Power Inc. and its subsidiaries place the safety, health and security of our people at the core of our company values. Our team is our most valuable resource, generating solutions everyday to deliver safe, clean, reliable energy globally. With a keen focus on safety, Babcock Power Inc. conducts business in a manner that protects our people, our customers and the environment. From innovation to generation, we are proud of our award-winning safety record and are committed to operating with integrity and excellence.

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