



COMPANY OVERVIEW

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. We offer fully-integrated design, engineering, manufacturing, research & development, construction and service capabilities.

HISTORY

Formerly Southwestern Engineering—and most recently Senior Engineering Co.—we have been designing and fabricating surface condensers, feedwater heaters, power plant heat exchangers and moisture separator reheaters (MSRs) for the world's power generation industry continuously for over 100 years. We own and operate dedicated manufacturing facilities within the U.S. and license local shops throughout the world. TEi also engineers and manufactures industrial heat exchangers. Located at our Los Angeles headquarters, our design teams have the unique capability to provide integrated product engineering, resulting in single-point responsibility for design and manufacturing. Utilizing assets from the purchase of EFCO and Struthers Industries, Struthers Wells designs and supplies a full range of waste heat boilers and heat exchangers for the petrochemical industries.

TEI ENGINEERING CONSULTANTS: A NETWORK OF ENGINEERING SOLUTIONS

TEi Engineering Consultants, as a collaborative technology partner, provides technical support to your organization's feedwater heater, condenser, and heat exchanger needs. Based on our progressive design, manufacturing and service experience, we provide solutions to **increase equipment efficiency, reliability, and performance. Our solutions are tailored to the specific needs of our clients. Built on extensive industry knowledge, innovative design, and proven technology, we remain committed to providing outstanding value to our clients with creative engineering ideas.**

Our technical capabilities cover a vast array of activities, including, but not limited to:

- Performance analysis
- Cycle analysis
- Failure analysis
- Condition assessment
- Thermal & structural analysis
- Conceptual system redesign
- Design optimization
- Finite element analysis
- Solid modeling
- Piping flexibility analysis
- Field modification evaluation
- Equipment re-rates
- Physical inspection
- Troubleshooting
- Engineer & operator training

ENGINEERING CONSULTING SERVICES

There is no substitute for knowledge when it comes to supplying the right replacement part for plant equipment. Many suppliers either manufacture parts that fit their own equipment or sell prefabricated parts. TEi applies extensive engineering knowledge and manufacturing experience in building replacement components that stand the test of time in the aggressive environment of a power plant. We provide all replacement parts for feedwater heaters, condensers, heat exchangers, moisture separator reheaters, and other heat transfer equipment found in power plants.

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

18000 Studebaker Road, Ste 400, Cerritos, CA 90703
P (323) 726-0641 | F (323) 726-9592 | (800) 523-0480 | thermalengint.com
Struthers Wells 18000 Studebaker Road, Ste 400, Cerritos, CA 90703
P (323) 726-0641 | strutherswells.com

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.

SAFETY³ 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.

The data contained herein is solely for your information and is not offered, or to be construed, as a warranty or contractual responsibility.

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FULL RANGE OF HEAT TRANSFER COMPONENT SERVICES

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

WE SUPPLY SUCH COMPONENTS AS:

- Covers
- Diaphragm plates
- Expansion joint belts
- Expansion joints
- Gauge glasses
- Gaskets
- Hoses
- Manways
- Nuts & bolts