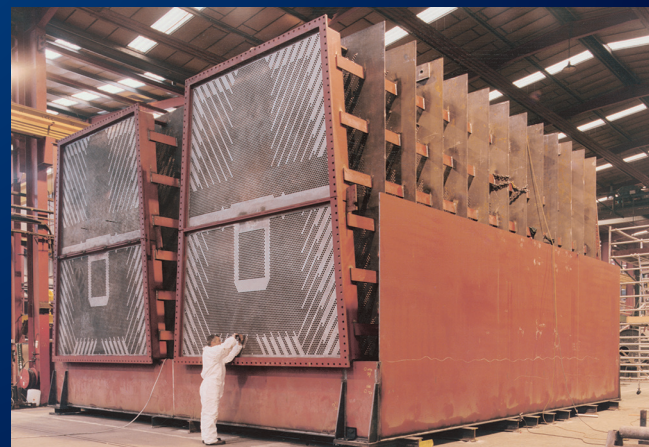


TEI

SERVING THE NUCLEAR POWER INDUSTRY



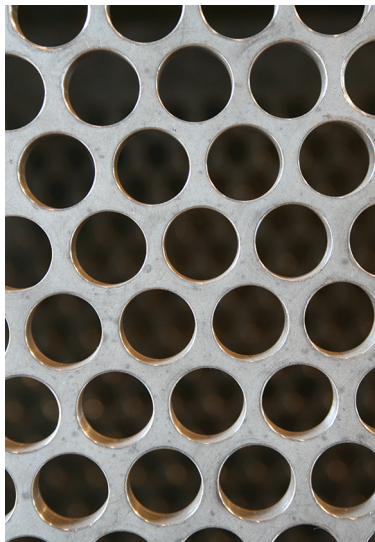


INTRODUCTION TO TEi

SPECIALISTS FROM THE EARLY YEARS

With 445 nuclear reactors operating in 30 countries world-wide and 50 under construction, the need for proven technology, highly skilled manufacturing, and dependable service is escalating.

A trusted supplier to the nuclear industry since 1964, THERMAL ENGINEERING INTERNATIONAL (USA) Inc. (TEi), a Babcock Power Inc. company, offers sound solutions that merge cutting edge technology with worldwide, world-class service. From feedwater heaters, condensers, condenser modules, moisture separator reheaters (MSRs), balance of plant heat exchangers and more, TEi will deliver. TEi provides solution based engineering, global manufacturing through partnered suppliers and turnkey services with on site technical support.



FORERUNNERS OF INDUSTRY

For nearly a century, TEi has developed and provided energy solutions that have set the standard for product, installation, aftermarket, and service to the evolving power industry.

The innovator of notable “firsts”—including the introduction of advanced MSR technology for early nuclear plants—TEi continues to seek new products and technology to improve plant operations and to position the industry for the future.

HISTORY

THERMAL ENGINEERING INTERNATIONAL (USA) INC. (TEi) began as Southwestern Engineering in 1916. Since then, TEi has been building on its solid base, reshaping its product line, and setting the pace for the world’s changing power generation needs. In 1985 the company purchased Perfex (Berlin, WI) and was acquired by Senior Engineering Company in 1987. TEi was formed in 1997; two years later, it merged with Blacke Dürr in Germany to form BDT Engineering. In 2002 the company purchased the soft assets of EFCO and became part of the newly formed Babcock Power Inc., which purchased the soft assets of Struthers Wells in 2004.

Over time, TEi has become a well-respected pioneer. The feedwater heater line was introduced in 1955 and the first steam surface condenser was shipped in 1968. TEi introduced its advanced MSR technology to the nuclear industry in 1974, followed by the delivery of the first condenser modules to the U.S. nuclear fleet in 1977.

TEi maintains headquarters in Los Angeles, California; global customers are served by numerous facilities and established working relationships with various fabrication companies in key international locations.



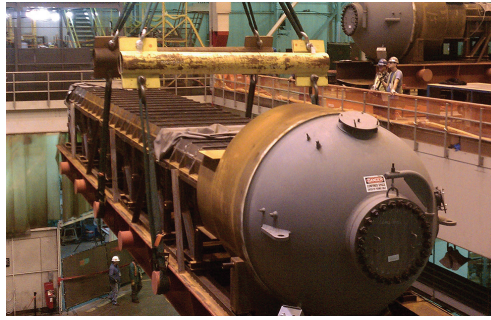
TEi—HEAT TRANSFER SOLUTIONS FROM A SINGLE SOURCE

In addition to providing the design, manufacturing, and service of heat transfer equipment for the nuclear industry, TEi offers comparable services for coal, gas, solar, and biomass power plants. TEi works closely with other companies under the BPI umbrella to provide the best possible solutions.

TEi has placed a priority on highly demanding and large nuclear project, supply over 12 condenser modules and 625 feedwater heaters to nuclear power plants with MSR equipment operating in over 150 reactor units world-wide.

TEi's capabilities encompass all aspects of heat transfer equipment (Section VIII and Section III) for nuclear power plants, including:

- Design
- Manufacture
- Repair
- Modification
- Installation
- On-Site Technical Support
- Engineering Consulting
- OEM Replacement Parts
- Logistics



IN-HOUSE DESIGN

“One-stop shopping” at TEi includes:

- Moisture Separator Reheaters (MSRs)
- Feedwater Heaters
- Steam Surface Condensers
- Condenser Modules
- Shell and Tube Heat Exchangers
- Aftermarket parts and services for any OEM’s equipment
- Balance of Plant Shell & Tube Heat Exchangers



COMPREHENSIVE ENGINEERING CAPABILITIES

TEi’s core strength is the technical expertise that drive the ability to provide plant specific solutions:

- Power Uprates
- Life Extension
- Upgrades / Optimizations
- Electric Gain (MWe)
- Site Installations / Replacements / Modifications
- Steam Cycle Analysis and Improvement Implementation
- Testing / Troubleshooting
- Thermo-Hydraulic Evaluation
- Equipment Model Testing
- Re-Certifications
- Performance Analysis
- FEA Analysis
- Heater Train Studies
- Vibration Analysis
- Repair vs. Replace Planning
- Training Seminars
- Technical Consulting

WORLDWIDE MANUFACTURING

Extending the breadth and depth of global experience, TEi has established working relationships with fabrication companies in Korea, Canada, Portugal, Czech Republic, Mexico, Italy, Spain, Taiwan, Thailand and other countries, enabling TEi to maintain fabrication volume without constraints.

In addition, TEi’s subcontractors are able to fabricate specialized pressure vessels to ASME Code (Section VIII & Section III), European Standards, and/or any local governing Code.

DOMESTIC FABRICATION – JOPLIN PLANT

Currently, TEi's 100,000 square foot in-house fabrication facility in Joplin, MO is furnished with sophisticated tooling for the manufacturing of various heat transfer equipment. Equipped with a 200T crane and rail spur through the middle, the recent expansion can accommodate oversized and/or modularized equipment.

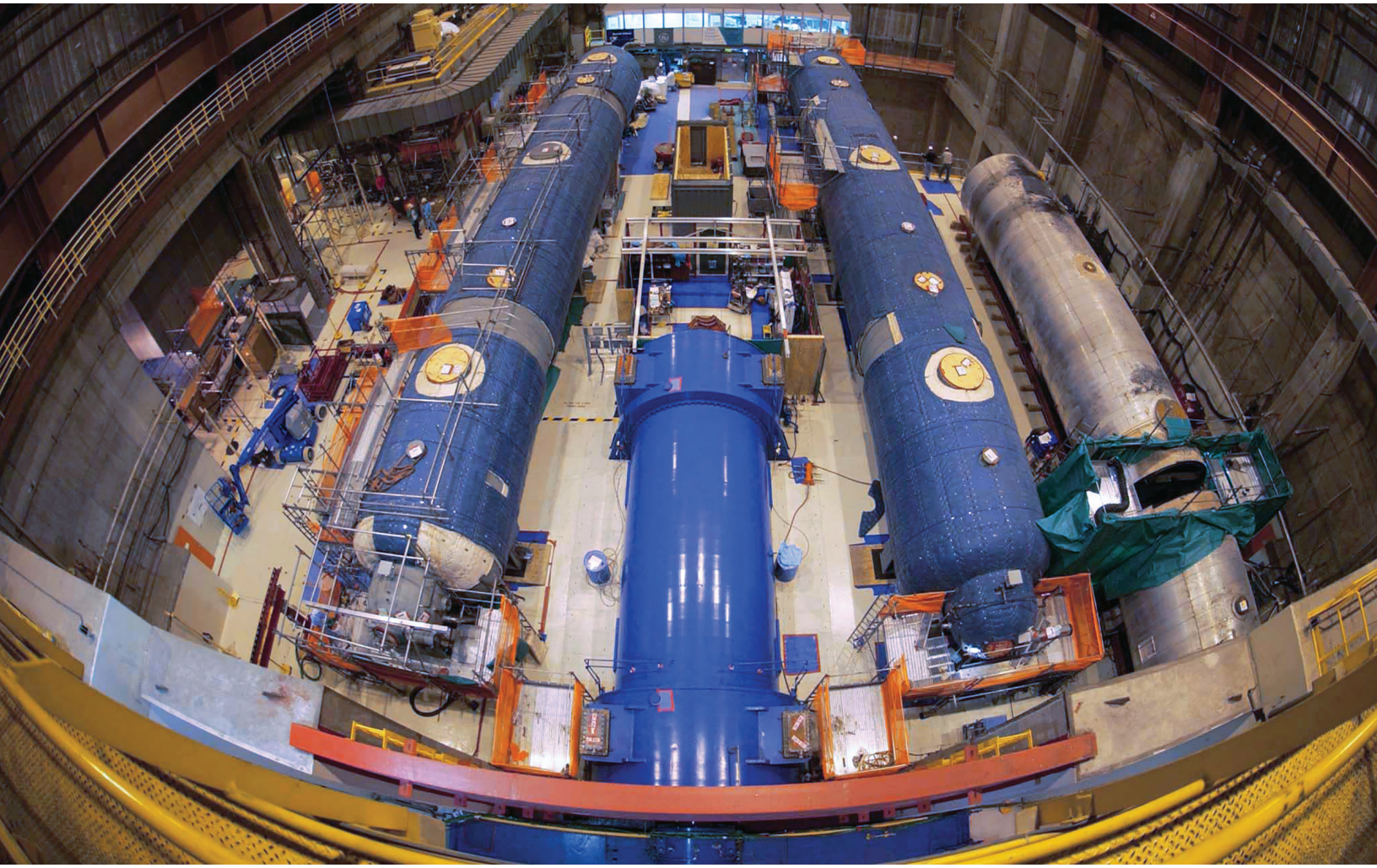
ON-SITE HEAT TRANSFER EQUIPMENT SERVICES

Whether for planned maintenance or for an emergency situation, TEi has a team of highly skilled field technicians available around the world. Services include:

- Repair
- Installation
- Tube Mapping
- Field Technical Advisory Service
- Field Oversight
- Preventive Maintenance
- Diagnostic Testing
- Internal Inspection
- Mechanical Integrity
- Equipment Evaluation

INSTALLATION AND TURNKEY CAPABILITIES

TEi has extensive experience installing and assembling its equipment on-site.



WORLD CLASS MSR TECHNOLOGY

TEi engineers have established unparalleled technical competence in design, testing, fabrication, installation, analysis, and modification of new and existing MSR equipment—combined with a global reputation for getting the job done right.

The horizontal MSR design philosophy demands the highest possible efficiency. TEi's moisture separator systems achieve complete separation and removal of moisture with minimum pressure drop, are structurally sound and virtually maintenance free.

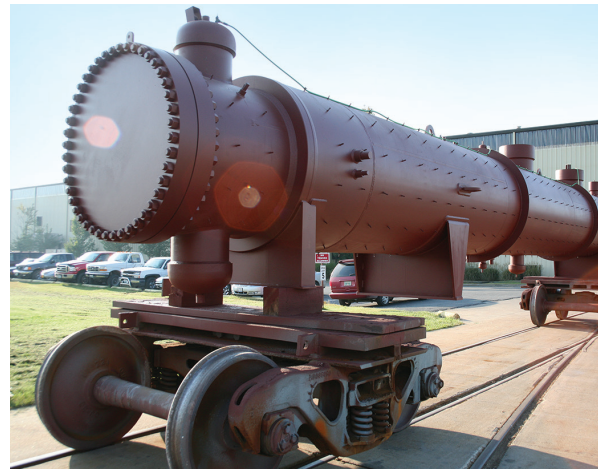
FEEDWATER HEATER TECHNOLOGY

As a global leader in design and manufacturing of heat transfer equipment, TEi has developed numerous proprietary software programs for thermal and mechanical design of feedwater heaters. Through 60 years of experience and the use of our proprietary software, TEi has developed the ability to optimize the design while maximizing the life expectancy. Feedwater heaters are designed to meet or exceed the requirement of ASME Code, HEI, EPRI and TEMA Standards.

The acquisition of intellectual properties from the major feedwater heater manufacturers has enhanced TEi's technology and provided access to various design philosophies. TEi-owned brand names include:

- Struthers Wells
- Marley
- Perfex
- Westinghouse
- EFCO
- Senior Engineering
- BDT Engineering
- Southwestern Engineering





CONDENSER TECHNOLOGY

As a global leader in design and manufacturing of heat transfer equipment, TEi continues to provide the most advanced and proven technology for steam surface condensers. TEi's proven design has been demonstrated by condenser performance and overall plant reliability time and time again. TEi's design strength is evident in Nuclear Power Plants worldwide including one of the largest steam surface condensers (Triple Shell; Quadruple Pressure; 1,200,000 Sq. Ft. Surface Area) in the Southern United States, now in operation for over four decades. TEi has supplied over 23 condensers and / or condenser modules operating in Nuclear power plants globally. TEi is the leader for condenser Module replacements in the United States, and have installations around the world.

HEAT EXCHANGER TECHNOLOGY

TEi Industrial Products Group maintains capabilities to design and manufacture heat exchangers for the Nuclear Power Industry in a wide variety of applications. These include but are not limited to:

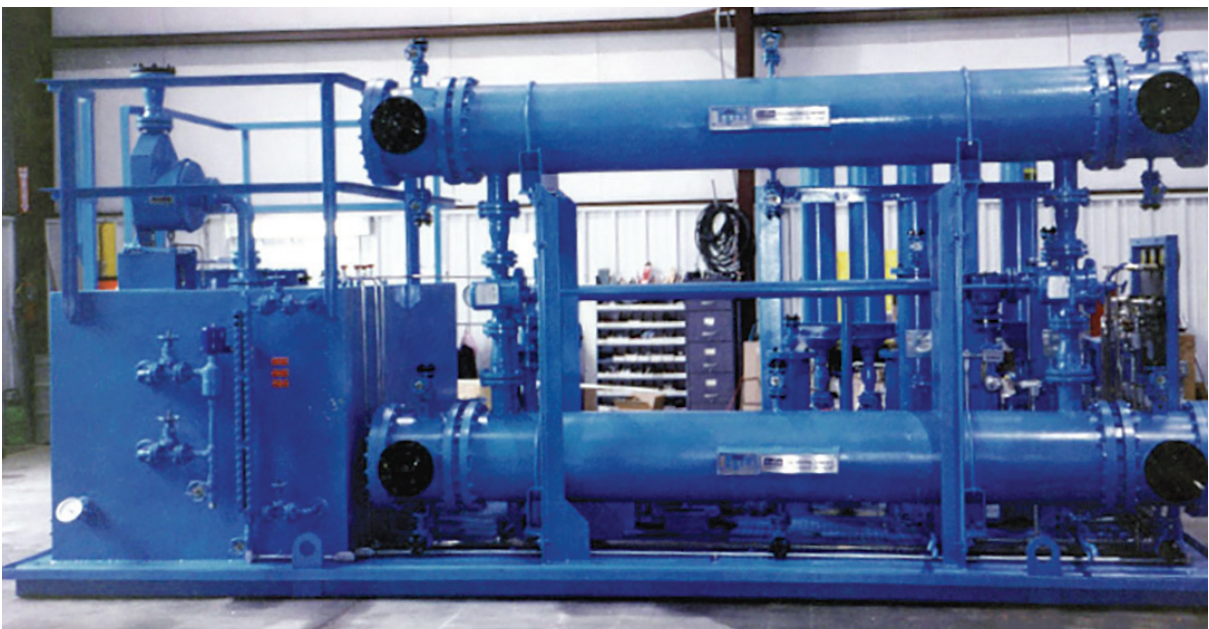
- RHR (Residual Heat Removal)
- CCW (Component Cooling Water)
- SGBD (Steam Generator Blow Down)
- RFP (Reactor Feed Pump)(Oil Coolers)
- TCW (Turbine Cooling Water)
- RFP/MC (Reactor Feed Pump Motor Cooler) (Air Cooled TEWAC)
- GSC (Gland Steam Condenser)
- Motor/Gen Set Coolers

TEi is compliant with 10CFR50 Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants, as directed by USNRC. TEi maintains the ability to design and manufacture per ASME Section VIII Division I and II. TEi also offers Section III design using licensee for specific fabrication.

PARTNERSHIPS

TEi is proud of the partnerships it has built throughout the years—and continues to build to ensure quality and consistency. These partnerships have proven to be essential to fine-tuning communications while improving the capability to meet and exceed expectations.

When a subcontractor manufactures on behalf of TEi, we maintain a continuous presence in that location to ensure all aspects of fabrication and quality control requirements are met. TEi has and will continue to take an active part in every process of our business.





ABOUT BABCOCK POWER INC.

Thermal Engineering International (USA) Inc. (TEI) is a wholly owned subsidiary of Babcock Power Inc. (BPI). BPI, through its subsidiaries, is one of the world's leading suppliers of technology, equipment, and services to the power generation industry.



TEi

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