

HEAT RECOVERY STEAM GENERATORS/ ENGINEERING SERVICES



OVERVIEW

Struthers Wells™, a TEI line of products, has been designing and supplying fired heaters and thermal fluid systems for more than 70 years. Their design and manufacturing expertise competitively supplies all types of fired heaters from small vertical cylindrical furnaces to complex specially chemical, petrochemical and refinery heaters.

With Struthers Wells™ proven technology and extensive expertise, providers are able to efficiently utilize the hot gases generated by process reactions during the production of chemicals and processes including:

- Ammonia
- Sulfur recovery
- Ethylene
- Fluid catalytic cracking
- Methanol
- Flue gas cooling
- Hydrogen
- Reactor effluent cooling
- Sulfuric acid



ENGINEERING SOLUTIONS

Struthers Wells™ is a full service engineering contractor. With a pioneering history of successful design and fabrication of heat recovery equipment, a team of engineering experts in global power generation equipment and processes have been assembled to handle any engineering assignment. With an eye toward reducing costs, improving performance and system reliability, Struthers Wells™ engineers ensure their product and services offer solutions to meet today's exacting standards.

FEATURES

- Water tube type design
- Single or multiple pressure designs available
- Superheater sections can be provided
- Parallel or cross-flow designs available depending on pressure drop restrictions
- Provided in shop assembled, modular, and field erected designs
- Available with or without a duct burner
- Available with or without SCR depending on local NOx requirements

BENEFITS

- Economizer sections provided for efficiency optimization
- Designed to handle systems smaller than 10MW
- Custom engineered for specific customer applications
- Can be designed for gas turbine applications or process heat recovery
- Can be designed for forced, induced or natural draft
- ASME Section I (typical)



HEATER EFFICIENCY ANALYSIS & TUNING

- Analyze existing system to determine efficiency optimization
- Offer engineered solutions to increase current heater efficiency
- Offer engineered solutions to meet new emission requirements
- Offer engineered solutions to utilize existing systems for new applications

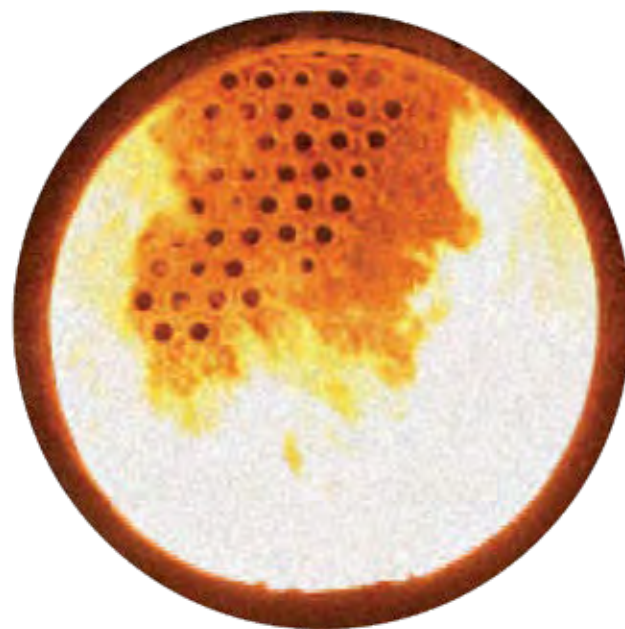
EQUIPMENT REVAMP SERVICES

- Provide equipment supply to support HEAT Services
- Replacement in-kind of existing systems
- Start-up support for retrofit supply

ENGINEERING & PROCUREMENT MANAGEMENT

- Provide total system design, engineering and documentation for packaged system from cradle to grave
- Provide site management for installation and start-up
- Capable of providing collaborative partnership for foundation and construction portion of projects installation and start-up
- One-stop shop for heat recovery islands

Contact Struthers Wells™ to discuss custom engineering services for heat recovery steam generators.



SAFETY² 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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