

# FIRED HEATER REVAMP 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 specialty chemical, petrochemical and refinery heaters.

## FIELD SERVICES

Struthers Wells™ can provide on-site construction services and project management for installation, repair, alteration, maintenance, overhauls and shutdown services for fired heaters.

## REVAMP SERVICES

In addition to new Fired Heater Systems, Struthers Wells™ offers the following services to improve the performance and reliability and extend the productive life of your fired heaters:

- Burner retrofits
- NOx reductions
- Performance optimization
- Efficiency improvements
- Capacity increases
- Upgrades
- Field survey
- Troubleshooting



## FEATURES

- Full line of replacement parts
- Thermal fluid systems
- Process furnaces

## BENEFITS

- Offers a full range of products
- Over 160 years of success in designing and manufacturing fired heaters and heat recovery equipment
- Provides on-site construction services and project management
- Proven technology
- Improves performance and reliability
- Extends the productive life of fired heaters



## ENGINEERING & AUXILIARIES

Struthers Wells™ engineers and manufactures all components of complete fired heat transfer systems.

- Fuel heating, pumping and metering
- Thermal fluid pumping and piping
- Emergency back-up or start-up
- Combustion air preheaters
- Add-on convective sections
- Economizers
- Waste heat recovery boilers
- Storage and expansion tanks
- Separator vessels
- Control panels – DCS panels

## SPARE PARTS

Struthers Wells™ offers a full line of replacement parts for fired heaters manufactured by Struthers Wells™ or its predecessors.

**Contact Struthers Wells™ and our process engineers will help you choose the optimum system to improve the performance and reliability of your fired heaters.**

## FIRED HEATER TYPES

- Thermal fluid heaters
  - Vaporizers
  - Radiant-convective; convective only
  - Fired convective
  - Heat-recovery
  - Liquid metal
  - Molten salt
- Superheaters
- Oxygen heaters
- Regeneration gas heaters
- TiCl4 heaters
- Ketene furnaces
- Refinery heaters
- EDC crackers
- Once-through steam generators (OTSG's)
- Waste heat recovery units



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