



**TEAM**®

# Heat Treatment



# Heat Treatment

Advanced solutions from the largest field Heat Treating Company in the world.

Heat Treating is the controlled heating and cooling of metals to alter their physical and mechanical properties without changing the product shape. It is often associated with increasing the strength of material, but it can also be used to alter certain manufacturability objectives such as improve machining, improve formability, or restore ductility after a cold working operation. It not only can help other manufacturing processes but can also improve product performance by increasing strength or other desirable characteristics.

TEAM provides complete heat-treating services for industries worldwide. We are the largest field heat treating company in the world. We combine the expertise of our professional, highly experienced heat treating personnel with unequalled service and state-of-the-art equipment to deliver exactly the right solutions for your field heat-treating applications and budget.

Ensure pinpoint precision and thermal processes accurately with our heat transfer analysis and heat-treating services.

## Electrical Resistance

Uses ceramic flexible pads to heat specific locations and is suitable for smaller, focused scopes where building a large furnace is impractical such as welds common in field and manufacturing settings.

## Combustion Services

Provides controlled heating environments ideal for most manufacturing and fabrication work. For assets too large for these furnaces, an internal combustion process within the asset can be used.

## Induction Capabilities

Employs non-contact heating via electromagnetic fields, generating heat within the part. It offers precise control and is efficient for specific applications, with the depth of heating dependent on frequency.

## Engineering Services

Going beyond heat treating methods to provide design and implement customized heat-treating solutions tailored to your specific needs.

### Why TEAM?

- Single supplier for asset integrity management solutions worldwide
- Company-wide commitment to safety
- Trained and certified expert technicians
- Complete range of maintenance and repair services
- Engineering, manufacturing, and technical support
- World-class quality processes and systems



## Post Weld Heat Treating and Pre-Heat Applications

Critical heat treatment processes to enhance the durability and performance of welded components.

## Bake Outs

Effective moisture removal from equipment and systems, ensuring operational efficiency and longevity.

## Solution Annealing & Normalizing

Precise thermal processes to improve material properties, such as strength and ductility.

## Paint & Refractory Curing Solutions

Specialized curing solutions to ensure the proper application and performance of protective coatings and refractory materials.

## Thawing Solutions

Effective solutions for thawing frozen materials and equipment, minimizing downtime and operational disruptions.

## Real-Time Remote Monitoring and Control

Cutting-edge monitoring systems that provide real-time data and remote-control capabilities, ensuring precise heat treatment processes.

## Mobile & Configurable Heat Treat Setups

Flexible heat-treating setups that can be quickly deployed and adapted to various field conditions.

## Expansion Heating

Controlled heating to facilitate the safe expansion of materials during maintenance and repair activities.

## Material Stabilization

Processes to stabilize materials, enhancing their performance and reliability in demanding applications.

## Space Heating

Efficient space heating solutions to maintain optimal working conditions in industrial environments.

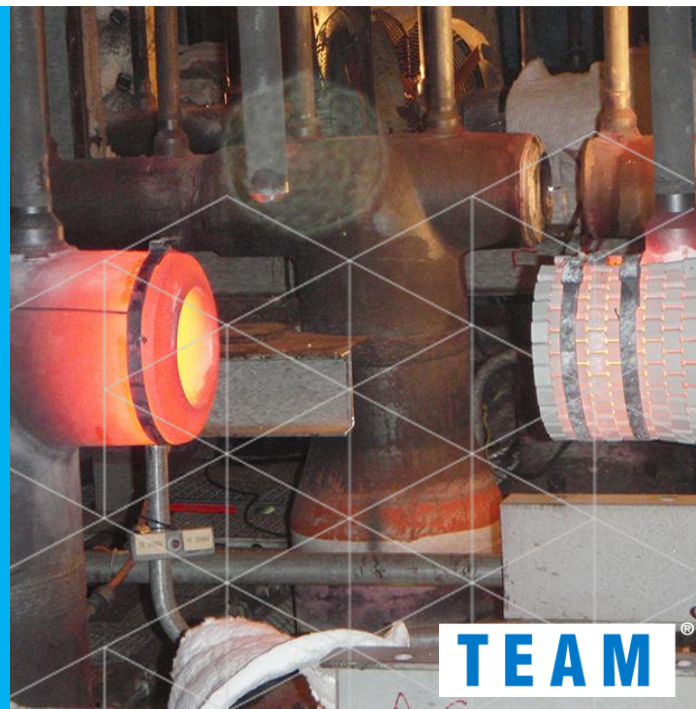
## Turbine Warming Systems

Warming systems to ensure turbines are maintained at optimal temperatures for immediate operational readiness.

## Bolt Removal

Advanced heating techniques for safe and efficient removal of bolts in high-stress environments.

TEAM Inc. is committed to delivering innovative and reliable heat-treating solutions that meet the evolving needs of our clients. Contact us today to learn how our comprehensive services can support your operational goals.



**TEAM**

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For over a century, TEAM Inc. has provided asset integrity to diverse industries, including oil and gas, aerospace, petrochemicals, pipeline, and power generation. Our integrated service approach covers everything from inspection to repair, ensuring our communities operate safely and efficiently.

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