



High Temperature Repair and Inspection

Increased plant availability through HRI

TIMEC, through its HRI affiliate, offers consultation, inspection, maintenance and repair services in high-temperature environments, including turnaround duration-reduction services as well as on-line emergency repairs. HRI's patented system allows its highly trained technicians to work safely in extreme temperatures.

For nearly two decades, HRI has been serving the refining, petrochemical, power, steel, pulp and paper, and mining industries to implement preventive measures and critical repairs to increase plant availability.

▶ **Portfolio of Services and Cost Reduction Initiatives**

- ▶ NBIC, R-stamp certified repairs
- ▶ Non-destructive testing on virtually any equipment
- ▶ Risk assessment for immediate or long-term repair measures
- ▶ Videotaped inspections in hazardous atmosphere environments
- ▶ Real time communication and video feeds as technicians perform inspections or work
- ▶ Hot blinding to shorten turnaround durations
- ▶ Pre turnaround inspections in on-line high temperature environments
- ▶ Corrosion mapping and hot TOFD capabilities on lines and vessels exceeding 750 degrees F
- ▶ Ability to complete some key turnaround activities outside the turnaround window
- ▶ On-line and off-line emergency repairs to sustain operations until planned turnarounds

▶ **Unparalleled Performance and Results**

- ▶ HRI workers have an average of 6.5 years of hands-on experience
- ▶ Comprehensive job safety analysis and evaluation coupled with detailed planning ensure successful results
- ▶ Experienced crews routinely deployed rapidly in response to emergency situations
- ▶ Extensive client base includes major producers across industries requiring repeat work for both emergencies and planned events

Preferred supplier of maintenance solutions

By utilizing well-trained, safety-conscious personnel, TIMEC consistently delivers the safest, highest-quality and most cost-efficient services available. TIMEC relies on its field-proven work processes and its planning and management expertise.

▶ Services

- ▶ Routine maintenance
- ▶ Turnarounds
- ▶ Capital construction
- ▶ Outsourced training
- ▶ Safety support
- ▶ Specialty welding
- ▶ Catalyst handling
- ▶ High-temperature repair and inspection
- ▶ Tower and vessel maintenance
- ▶ Exchanger maintenance
- ▶ Scaffolding
- ▶ Insulation
- ▶ Instrument and electrical
- ▶ Millwrighting and machining