



Empowering Greater Efficiency and Reliability
with data-driven insights

A photograph of an industrial facility, likely a refinery or chemical plant. The scene is dominated by large, silver, insulated pipes and structures. In the foreground, two workers wearing blue hard hats and dark blue work clothes are engaged in a task. One worker is holding a green tablet, and the other is holding a handheld device with a screen. The background shows more industrial equipment, including tall distillation columns and a large building with a glass facade. The sky is blue with some clouds. A white text box is overlaid on the left side of the image.

TEAM delivers optimized
asset integrity management
solutions through an integrated,
digitally-enabled approach.

Utilizing high value, data-driven inspection
and maintenance solutions, the company
empowers greater operational safety, asset
efficiency, and critical reliability throughout
an asset's lifecycle.

Dedicated to Providing Asset Integrity Management Solutions

TEAM, Inc. is a worldwide leading provider of integrated digitally-enabled asset integrity solutions. We deploy specialty inspection, maintenance, repair and engineering assessment services that result in greater operational safety, asset efficiency, and critical reliability. A professional team of experienced engineers, technicians, and client support personnel backs each service armed with the best training, equipment and technical support in the industry. With 220 branch locations in more than 20 countries, we fuse the delivery of technological innovation with over a century of integrity management experience to fuel a better tomorrow.

Through our unique ability to deliver integrated, digitally-enabled asset integrity solutions, TEAM empowers greater operational safety, asset efficiency, and critical reliability. When you work with any of our TEAM members you will learn that you are receiving truly individualized attention. From inspection to repair, each decision we make is made based upon the unique job situation. You can also rest assured that we will always pair you with a leading expert in the field, ensuring your projects will be completed correctly, successfully, and on time every time.

Safety First. Quality Always.

Our highest priority at TEAM is the safety of our employees, clients, and other contractors. We are committed to safety excellence and strive daily for zero injuries and incidents. We work with our suppliers, contractors and customers to promote responsible HSE&S practices.

TEAM maintains management systems designed to assure compliance with all applicable laws, regulations and internal requirements, as well as to facilitate the continuous improvement of our processes, products, and personnel.

Highly Trained Technicians

At TEAM we employ only the most qualified technicians to ensure each and every job is completed to the highest standards every time. Our quality management system requires quality indoctrination training for all personnel. Additional training and documentation are required based on specific technical job requirements. TEAM provides training as part of the preparation for certification.

Your Solution Source

- + Controlled and technical bolting/tensioning/torquing
- + Concrete repair
- + Composite repair
- + Emissions control
- + Exchanger services
- + Field machining
- + Fitness for service
- + Heat treating
- + Hot tap/line stop/line freeze
- + Isolation test plug installation
- + On-line leak sealing and repair
- + Manufacturing/engineering
- + Mechanical integrity
- + NDE/NDT inspection and testing
- + Rope access
- + Specialty welding
- + Turnkey tank program
- + Valve insertion
- + Valve repair/testing



NDE/NDT Inspection and Testing Services

TEAM provides complete NDE/NDT inspection and testing services for industries worldwide. Each inspection service we perform is carefully selected for each specific job, backed by 40+ years of experience and driven by innovative technologies and techniques that are employed by fully trained and certified, expert technicians. No matter how simple or complex your inspection requirements, our ultimate goal is to maximize quality, safety and productivity in your critical components, equipment and processes. TEAM technicians safely and reliably meet any inspection requirement or industry standard anytime, anywhere.

Range of Inspection Services

- Liquid penetrant inspection
- Remote visual inspection (RVI)
- Electromagnetic testing (ET)
- Electromagnetic acoustic transducer (EMAT)
- Ground penetrating radar (GPR)
- API-visual inspection
- Internal rotating inspection system (IRIS)
- Eddy current testing
- Remote field testing (RFT)
- Tube inspection
- Wet fluorescent magnetic particle testing (WFMT)
- Alternating current field measurement (ACFM)
- Radiographic testing (RT/ Digital RT)
- Ultrasonic thickness testing (UTT)
- Magnetic particle testing (MT)
- Dye penetrant testing (PT)
- Ultrasonic shearwave testing (UTSW)
- Positive material identification (PMI)
- Guided wave testing (GWT)
- Data management
- AUBT/ HTHA/ TOFD – Phased array and advanced inspections
- Quest Integrity’s innovative inspection offerings:
 - FTIS™ Furnace Tube Inspection System
 - InVista™ In-line Inspection System
 - HYDRA™
 - LOTIS® Laser Optic Tube Inspection System
 - MANTIS™ External Tube Crawler
 - RDVI™ Remote Digital Video Inspection

Advantages

- Validates the integrity of your materials, processes and components utilizing advanced testing methods and techniques
- Detects deficiencies prior to failure
- Ensures quality, safety and productivity in your critical components, equipment and structures
- Minimizes both scheduled and unscheduled downtime
- Guarantees your compliance needs are covered
- Detects and characterizes damage mechanisms utilizing specialized techniques



Emissions Control Services

TEAM's certified personnel, programs, experience and equipment guarantee your regulatory compliance right from the start. From fugitive emissions and technical compliance assistance to repair services and data management, TEAM's LDAR services are all encompassing to ensure your site's mandatory regulations are met.

TEAM can help design and implement a program tailored to your specific requirements. Whether you need skilled labor to supplement an existing program or want to develop a comprehensive LDAR program from scratch, TEAM is here to meet your every need.

Range of Emissions Control Services

- Stream applicability assistance
- Component identification, tagging and record keeping
- Method 21 monitoring/leak identification
- MOC services
- Component specific monitoring procedures
- First attempt and advanced repair services
- Data collection, data administration (on an offsite) and management
- General plant and process safety programs
- QA/QC programs
- LDAR compliance field assessments
- LDAR compliance audits
- Green house gas emission control services
- Auditing procedures

Advantages

- Encompasses all aspects of LDAR including inventory assessment, monitoring, repair, data management, and auditing to assure your equipment is in compliance with all applicable federal and state LDAR regulations
- Provides verifiable safety, quality and audit programs
- Offers VOC repair services for process equipment
- Utilizes advanced monitoring technology and software
- Enables quick response with access to more than 350 highly trained and fully certified LDAR personnel





Mechanical Integrity Services

TEAM's effective mechanical integrity services utilize a systematic approach to evaluating the whole process safety management process. Using this approach, the process design, process technology, process changes, operational and maintenance activities and procedures, non-routine activities and procedures, emergency preparedness plans and procedures, training programs, and other elements that affect the process are all considered in the evaluation.

Regardless of whether a company is trying to establish a new process safety management system, revamp an existing underperforming system or improve a solid system to achieve higher performance, TEAM can help.

Range of Mechanical Integrity Services

- Inspection data management
- Inspection planning
- Gap analysis
- Management system development
- Process safety review and development
- Risk analysis and implementation
- Mechanical engineering
- Computerized maintenance management system integration
- QA/QC program development
- Training and competency identification
- MI software
- AutoCad

Advantages

- Improved safety
- Improved reliability
- Reduced risk
- Improved data management
- Improved production



Hot Tap/Line Stop/Line Freeze Services

TEAM has led the industry in the delivery of safe, effective hot taps and line stops for more than 40 years. Using the latest technology, we are able to safely tie-in to, repair, and modify virtually any on-stream transmission or distribution line while under full operating conditions. Our tap and stops can be performed on all types of pipe grades, sizes, pressures and temperatures, utilizing our own equipment both on land and offshore.

In addition to our on-site servicing, we also provide engineering, manufacturing, and many other related services allowing you a single provider for all hot tap and line stop needs.

Range of Hot Tap/Line Stop/Line Freeze Services

- Hot taps
- Traditional line stops
- Pivoting head line stops
- Folding head line stops
- Double line stop with bypass
- HotStops®
- HIStops®
- Super HIStops®
- Permanent HIStops®
- Specialty line stops
- Through-the-valve stops
- Across-the-header stops
- Tee stops
- Elbow stops
- Triple line stops
- Freeze stops
- Bag stops

Advantages

- No shutdowns or service interruptions
- Eliminates emissions and loss of product
- Backed by over 40 years of experience
- In-house engineering design and support
- In-house technician training and certification programs
- Single provider for all hot tap and line stop needs



Valve Insertion Services

TEAM's patented InsertValve™ delivers value, reliability and performance second to none. This field proven valve installs under pressure, eliminating the need for line shut downs in the event of planned or emergency valve cut-ins.

Designed for a wide range of line sizes and types, the InsertValve's wedge gate seats on the valve body, not the pipe bottom. This unique feature prevents the seat from coming into contact with the cut pipe edges to significantly extend valve life. If a repair is ever needed, it is the only valve on the market that can be repaired under pressure.

TEAM offers professional installation services by trained and certified technicians or packaged solutions ready for line cut-in. Either way, you get a valve that meets or exceeds recognized industry requirements and complies with all health and safety regulations.

Advantages

- AWWA C515 valve standards
- Resilient wedge seats on valve, not on pipe
- Ductile body with NSF 61 Epoxy
- Installs and repairs under pressure
- Reduces costly risks associated with shut downs
- Advocates trench and employee safety



On-Line Leak Sealing and Repair Services



TEAM is capable of repairing leaks with pressures from vacuum to 6,000 ppi and temperatures from cryogenic to 1,700°F. All TEAM leak repair methods are non-destructive.

Shutting down to repair leaks means a loss in production. TEAM's on-line leak sealing and repair services allow repairs to be made without interruption to normal operations. All methods help preserve the integrity and useful life of the equipment. Our nondestructive repair procedures, ISO 9001 hardware, and sealants are a result of more than three decades of continuing research, field experience, engineering and manufacturing expertise. TEAM technicians are thoroughly trained to accurately assess your needs and provide all services in accordance with documented procedures.

Our in-house engineering and manufacturing capabilities further enhanced our offerings. Whether it is a common in-stock item or a customized piece, TEAM can design, manufacture and install leak repair products to resolve your most complex industrial leaks.

Range of Leak Repair Services

- Composite leak repairs
- Drill and tap leak repairs
- Clamps and enclosure manufacturing and installation

Advantages

- Prevents expensive shutdowns by providing safe, controlled on site and on stream leak repairs for any component or process
- Helps preserve the integrity and useful life of the equipment
- Saves time and product
- Minimizes environmental impact
- Reduces administrative burden

Valve Repair/Testing Services

TEAM provides full inline, onsite and shop valve repair services and maintenance programs for virtually all valve types, brands, sizes, materials, pressures and operating conditions, including actuators and operators.

TEAM can help you design and implement a program tailored to your specific requirements. Whether you need skilled labor to supplement an existing program or want to develop a comprehensive LDAR program from scratch, TEAM can assist to meet your every need.

Range of Valve Repair Services

- Inspection
- Machining
- Welding
- Repair
- Repacking
- Testing
- Documentation
- Onsite pre-testing and repairs for hydrofluoric and sulfuric alkalinization
- OLSPV (online set point verification) of PRVs (pressure relief valves)
- Low-pressure/vacuum vent repair and inspection
- High-pressure isolation valve program for 1,500 and 2,500lb class power valves
- Actuation repair and testing for hydraulic, pneumatic, electrical and manual operators
- Packing emissions and steam packing
- Control valve repair
- Pipeline valve conversions, preventative maintenance, repairs and testing
- Marine valve services
- TEAM valve database management



Advantages

- Eliminates or significantly reduces modifications to expensive pipe work
- Provides total valve inspection, machining, welding, repair, repacking, testing and documentation
- Performs all repairs according to applicable certifications and industry standards





Heat Treating Services

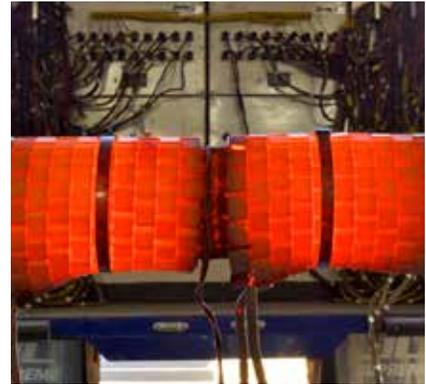
TEAM provides complete heat-treating services for industries worldwide. We are the largest field heat-treating company in the world. We combine the expertise of our professional, highly experienced heat-treating personnel with unequaled service and state-of-the-art equipment to deliver exactly the right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

Range of Heat Treating Services

- Electrical resistance heat treating
- Welding preheat
- Post-weld heat treatment
- Line thawing and melt-out
- Hydrogen removal
- Decontamination
- Combustion heat treating
- Refractory dry out
- Induction heat treating
- Turbine rotor de-stacks
- Retaining ring removal
- Heating of rotating parts
- Turbine bolt heating
- High temperature heat treatment
- Line thaws
- Exchanger bundle pulls
- Nut heating

Advantages

- Analyzes structural integrity and heat transfer to develop the most appropriate and cost-effective thermal processes
- Ensures your job is completed professionally, up to code, fully documented and in the shortest possible time, based upon planning conducted by our in-house engineers
- Features state-of-the-art burners for heating — 100°F over ambient to 2,600°F
- Manages the heat-treating flow and temperature requirements onto your hardware and equipment with pinpoint precision
- Utilizes NIST-traceable recorders and thermocouples
- Provides custom equipment design and manufacturing
- Ensures quality, safety and productivity in your critical components, equipment and processes
- Minimizes both scheduled and unscheduled downtime
- Promotes better budgetary and management decisions
- Meets the nuclear standard — we are a NUPIC-approved 10CFR 50 Appendix B supplier and a member of the Nuclear Industries Assessment Committee (NIAC)



Field Machining Services

TEAM's field machining services specialize in providing onsite repair solutions and modifications for equipment that cannot be shipped out for repair. We combine the best-in-field machining tools with our experienced cross-trained machining personnel, including more than 75 project supervisors, and bring them all to your job site. With one of the largest in-stock supplies of field machining equipment in the world, TEAM's FMS provides cost-effective modification and repair of parts and equipment for almost any industry, onsite and in place on a 24-hour basis.

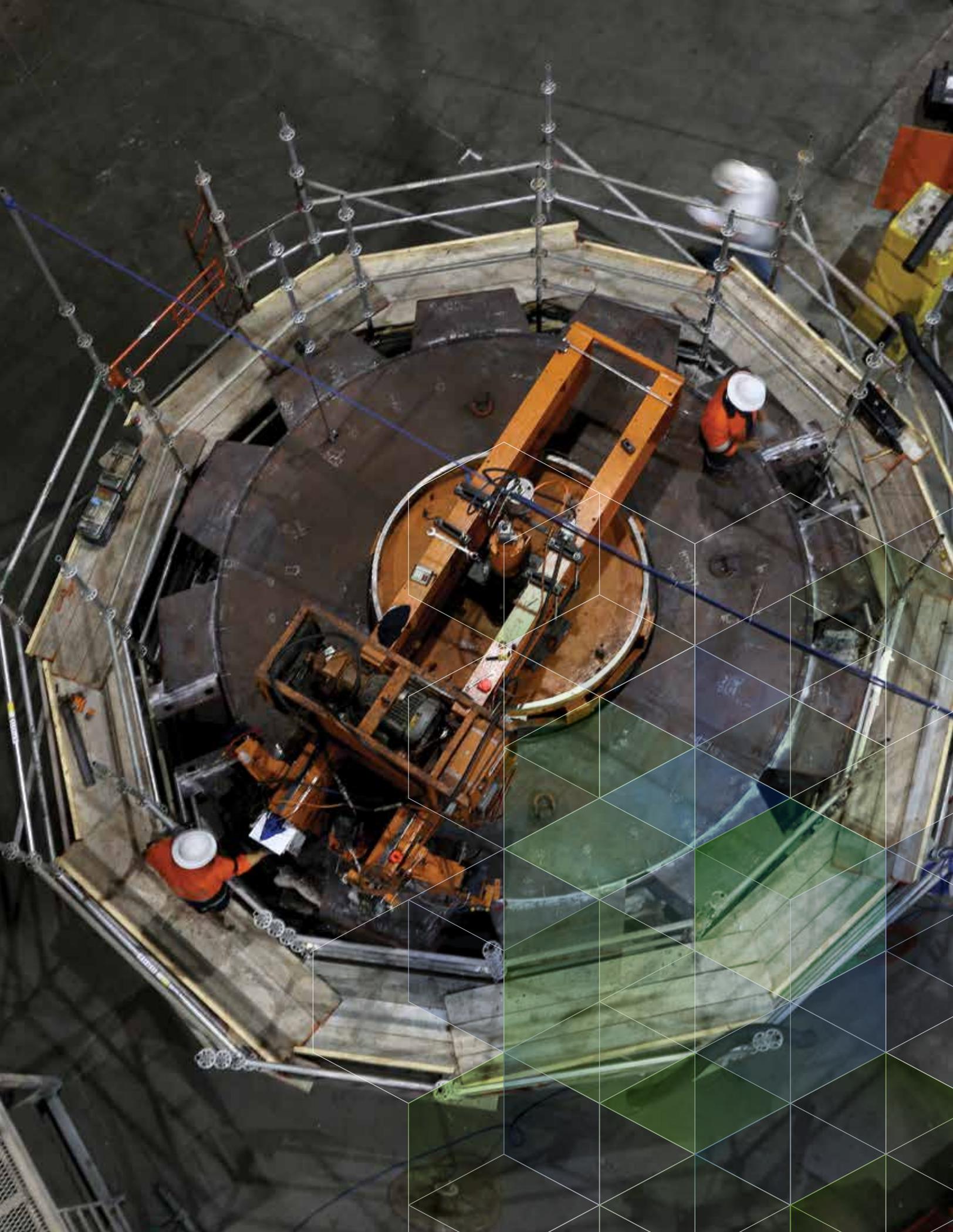
Range of Field Machining Services

- Laser and optical measuring
- Flange facing
- Shaft turning
- Pipe cutting and beveling
- Drilling and tapping
- Thread reconditioning
- Milling
- Line boring
- Valve seat grinding
- Spot facing
- Weld testing
- In-house engineering support and design
- In-house manufacturing

Advantages

- Precise, turnkey services with minimum dismantling required
- Compact tools for tight, cramped locations
- Simultaneous jobs with multiple tools and sizes
- Saves time, reduces costs compared to offsite services
- Utilize stocked mobile shops with advanced machines for fast, efficient cutting, beveling and lathing







Technical Bolting, Tensioning and Torquing Services

Technical bolting is a safe, fast, accurate and reliable way to ensure joint integrity during routine maintenance to inspection and disassembly. Our technicians are highly trained, prepared for both large and small jobs, and armed with the highest quality bolting tools and equipment, with torque capacities up to 106,000 ft. lbs. and hydraulic tensioners to 4" diameter studs.

Range of Technical Bolting, Tensioning and Torquing Services

- TEAM's range of technical bolting and torquing services
- Joint integrity and quality assurance program
- Hot bolting
- Induction bolt heating
- Induction nut heating
- Nut splitting
- Stud removal

Advantages

- Ensures joint integrity
- Reduces gasket leaks
- Ensures leak-free and safe start-ups
- Utilized in confined spaces
- Provides uniformed bolt loading
- Archives historical flange data
- Offers in-house technical training
- Inspects joints to ANSI/API specifications
- Controls critical elements associated with bolted joint integrity
- Reassembles and properly aligns joints utilizing the appropriate gaskets
- Cleans and lubricates bolts and nuts properly
- Verifies bolt tightness using ultrasonic measurements



Isolation Test Plug Installation

TEAM's isolation test plugs block flammable atmosphere for fast, reliable and safe pipe isolation, weld testing, and cutting and beveling.

Weld Test Plug Installation

TEAM's flange weld test plug enables the company to monitor conditions upstream of the seal, isolate and purge the weld area, complete the weld and hydro-test to code requirements with one tool which saves you time and expense. A key design feature of the flange weld plug is its high-lift seal. Because the seal can expand more, the tool has greater seal-to-pipe clearance, making it easy to move past the weld and eliminating the need to grind out excess root penetration.



Double Block and Bleed (DBB) Isolation, Testing, and Heat Treating

TEAM's double-block-and-bleed plugs improve safety with two compression seals that positively isolate the section of pipe to be welded from upstream gasses. After the plug is in place and before welding, the chamber between the two seals can be pressure-tested with a small volume of water and a hand pump to ensure that positive isolation has been achieved.

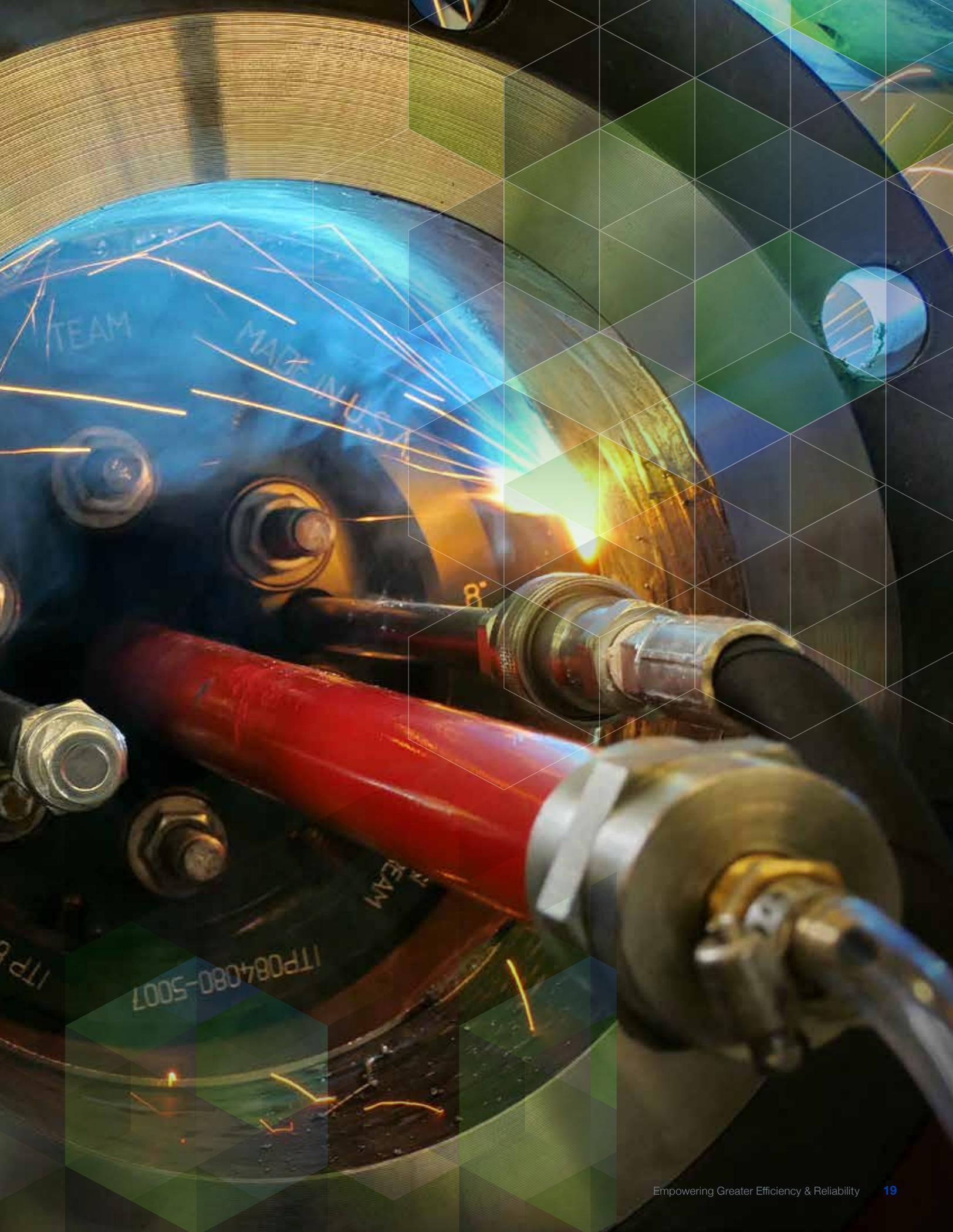
During welding, the plug vents upstream vapors away from weld areas through a hollow central port that also can be used to monitor upstream pressure. For hydro-testing after the weld cools, we reposition the DBB plug over the weld area, inject a small volume of water, and pressurize it with a hand pump. When the hydro-test is complete, there's only a small amount of liquid to dispose of.

The DBB plug can also be used to isolate the welded part of the pipe for heat treating. The plug, set away from the heat-stress area, is not affected. Seal and washer set easily to accommodate different pipe schedules.

Advantages

- Verifies integrity of welds and pipe
- Reduces time and cost needed to repair and test welded connections
- Minimizes purge costs and associated waste
- Handles both low- and high-pressure applications
- Omits damage to interior pipe walls
- Requires minimum test medium
- Prevents backpressure build-up during tests
- Anchors to flange to prevent escape





TEAM

MADE IN U.S.A.

ITP084080-5007

Specialty Welding Services



TEAM has delivered specialty-welding services to meet challenging customer requirements for decades. Our trained technicians combine years of welding experience with the latest technology to deliver safe, high-quality welding and related services across a wide variety of applications and industries. From carbon steel to exotic alloys and overlays, TEAM puts safety, efficiency and quality into every weld to help keep your projects on time and on budget.

Range of Specialty Welding Services

- Onsite valve repairs
- Hard surfacing upgrades (valves, stems, seats)
- Turbine steam-chest seat repairs
- Tube-to-tube sheet overhauls
- Boiler and furnace tube repairs
- Heavy-wall narrow groove welding
- Pump and nozzle overlay/cladding
- Heavy-wall pipe welding
- P91, P92 and super duplex power piping
- Flange face cladding
- In-service welding of fittings and reinforcement sleeves
- Other high-purity welding applications

Quality Programs

All TEAM welders are certified to ASME Section IX. TEAM is authorized by The National Board of Boiler and Pressure Vessel Inspectors for the repair of nuclear components, boilers and other pressure-containing components.

- NR stamp
- VR stamp
- R stamp

Welding Processes

TEAM's welders are qualified to perform a wide variety of welding processes using equipment technology ranging from manual to fully automated delivery systems. Methods include:

- GTAW
- SMAW
- P-GMAW
- GMAW
- FCAW
- SA

Rope Access



TEAM goes to work where others can't with our industrial rope access services. We provide a broad range of these services for structural inspections, repair and restoration.

Rope Access Services

- Insulation repair and removal
- Blinding
- Hydraulic bolt torquing
- Offshore oil platform welding and repair
- Paint and coating application
- Structural steel inspections
- Deployment of long-range and advanced ultrasonic systems
- Confined space services
- Amusement park ride and theme installation, assembly and repair
- Track and structure inspections
- Fasteners and connections

Cost Savings over Traditional Methods

Rope access can be exceptionally cost-effective compared to conventional methods of access, as it eliminates the setup time and cost associated with scaffolding. Cost savings are also attributed to shorter facility shut downs, fewer personnel required for shorter duration, and lower equipment costs.

Safety Above all Else

We take great pride in a continuing commitment to the highest levels of safety and training. Any of our jobs performed at heights adhere to OSHA, MSHA and SPRAT regulations. Our training and specialized equipment helps us manage work-at-height safety and rescue solutions for highly unique activities that require work in confined spaces, over water or on tall structures.

Our Process

TEAM takes a four-pronged approach to safety: planning, meeting, rigging and redundant systems.

Planning

Every job is thoroughly assessed, planned and documented by the Level III rope access safety supervisor before work begins. Safety, effectiveness and specific procedures involved in accessing the intended point are incorporated into the rigging plan. A site-specific rescue plan is also documented and reviewed with all team members prior to the start of work.

Meeting

A safety tailgate meeting is held daily at the start of every shift to review procedures and safety issues as well as complete job hazard analysis and risk assessment forms.

Rigging

All equipment meets or exceeds Occupational Safety and Health Administration (OSHA) and American National Standards Institute (ANSI) requirements. Anchor slings, carabiners, ropes and harnesses are attached with lanyards and containment buckets are used for added safety.

Redundant Systems

Under Industrial Rope Access Trade Association (IRATA) and Society of Professional Rope Access Technicians (SPRAT) guidelines, all personnel using full rope access methods are required to use two completely independent rope systems providing fall safety redundancy. The result is that the incident rate for rope access workers is significantly below that of workers using scaffolding or traditional fall protection methods.

Concrete Repair Services



Deteriorating concrete structures can cause environmental as well as waste and disposal problems, increase shutdown or replacement cost, and create a safety hazard for employees. TEAM utilizes state-of-the-art materials, repair methods, tools and trained technicians to repair and restore your concrete structures; making them as good as, and often better than, new.

Range of Concrete Repair Services

- Urethane crack injection
- Epoxy injection
- Expansion joints
- Coatings/toppings
- Spall repair
- Pump base repairs
- Secondary containments



Project Services



TEAM's Project Services provides an integrated approach to turnaround, maintenance and capital projects. Project Services will meet your every requirement from planning, scheduling, cost tracking and complete execution staff for all major projects. TEAM provides the customer service, dedication, skilled craftsmen and superior performance that establishes the platform for strong relationships, innovation and continuous improvement. TEAM's Project Services can respond to any need 24/7/365.

Rope Access Services

- Turnarounds, maintenance and capital projects
- Project management/execution staff professionals
- Recognized crafts supervision
- Certified craftsmen under NCCER
- Planning/scheduling/project controls
- Code welding repairs
- Procurement and expediting
- Receiving and warehousing
- Health and safety
- Complete craft source
- Welders/pipe fitters
- Boilermakers
- Civil

Advantages

- Start and finish jobs with the same, experienced multi-service personnel and management team
- Communicate faster with one contractor
- Reduce/eliminate multi-contractor schedules, conflicts
- Fewer safety permits required
- Fewer technical personnel in units reduces exposure for safety incidents and risks
- Fewer in-plant contractor vehicles
- Fewer invoices saves time and gives more financial flexibility with maintenance projects
- TEAM's repair and in-process control procedures or processes are standardized, written and followed to reduce the chance for error

Manufacturing/Engineering Services

Subcontracting vital parts of your service often leads to longer turnaround times, lessened quality and increased costs. TEAM operates two manufacturing locations that provide in-house design, fabrication and inventory of a wide range of products required when servicing our clients' valve repair, hot tap, line stop and various other needs. TEAM's manufacturing capabilities ensure that our clients' receive components that are designed specifically for the intended job, installed by trained TEAM technicians and maintain superior quality for long life.

Operational Quality

When jobs must get done right the first time, TEAM's commitment to quality is unsurpassed in the industry.

- Over 100 trained and experienced craftsmen
- ISO 9001 certified for engineering design and manufacturing
- Nuclear certified
- All TEAM welders are ASME Section IX certified

Manufacturing Capabilities

TEAM's manufacturing centers comprise over 100,000 square feet of shop space filled with machines to perform most any fabrication requirement.

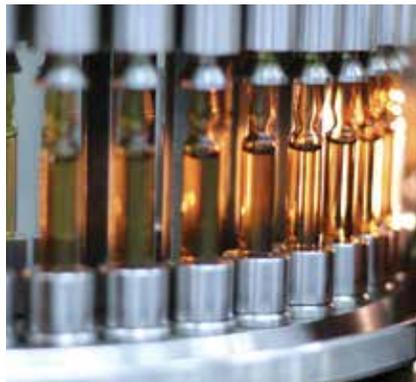
- 14 engine lathes
- 8 milling machines
- 5 horizontal boring machines
- Vertical turret lathe capable of machining parts up to 106"
- Multiple CNC machines
- 3 stress relief ovens with chart recorders
- Multiple automatic/semi-automatic welding stations

Materials In-stock

TEAM stocks a wide range of materials allowing fast turnaround of even the most complex fabrications.

- Over \$6,500,000 inventory of commonly used stock fittings
- Stock plate, bar and pipe materials
- SA 516 Gr 70
- SA 387 Gr 11
- SA 240 Gr 304 and 316
- SA 675 Gr 70
- SA 516 Gr 70
- SA 53 or 106 Gr B
- SA 537 CL-1
- Carbon and stainless all-thread
- ANSI flanges from 1/2" – 150 psi to 36" – 600 psi
- Manufacture custom sealants, bonders, and thread sealers

All of TEAM's materials have MTRs and traceability is strictly maintained through the use of a unique alpha numeric number which ties to the heat number on the MTR.







TEAM[®]

800.662.8326

TeamInc.com

contact@TeamInc.com