



Powered by **FE** Fuji Electric

Company Overview

Complete Turn-Key Turbine & Generator Repair

Reliable Turbine Services is a premier service provider, powered by Fuji Electric, a world leader in turbine/generator manufacturing. This relationship brings a wealth of technical and engineering experience to RTS. RTS has amassed a skilled service team, equipment, and special tooling to provide our customers with an on-time, quality solution for planned and unplanned steam turbine/generator maintenance.

Our strong reputation, experience, and expertise are the cornerstone of our success. RTS personnel are experienced with virtually all types of turbines and generators including: GE, Alstom, Fuji, Toshiba, Hitachi, Mitsubishi, Siemens and Westinghouse designs, from 5 MW to over 1000 MW.

- ▶ Outage pre-planning services including Work Scope development, development of contingency identification documents, work packages, and outage scheduling
- ▶ Single point of contact
- ▶ Project Management and Technical Direction services
- ▶ Craft Supervision, Execution, and Craft Augmentation services
- ▶ Balance of Plant Work
- ▶ Full service shops and field services, including steam path repair services
- ▶ Generator Testing, Maintenance, and Repair
- ▶ Low Speed Balancing, Blast Cleaning, NDE Services, Steam Path Alignment Services
- ▶ Reverse engineering capabilities allowing us to manufacture many parts

Manufacturing

RTS provides manufacturing of many turbine components in our ISO Certified Manufacturing Facility:

- ▶ Airfoils/blades/buckets
- ▶ Shafts
- ▶ Valve Parts
- ▶ Seals
- ▶ Threaded Inserts
- ▶ Bolting

We offer CMM, multi-axis milling, turning and grinding processes. Additionally we provide CNC EDM capabilities. We have the ability to reverse engineer and replicate virtually any type of worn component.

Quality Assurance

Our dedicated teams' combined years of experience in turbine generator service help us to understand the importance of on time delivery, while maintaining the highest quality. The standards and procedures included in our quality management system allow us to meet or exceed most OEM requirements.

Safety is our Priority, Quality is our Standard.

Sullivan Facility Corporate Office/Repair Facility

From incoming inspections to executing extensive repairs RTS has the capability and capacity to meet your repair needs.

Located southwest of St. Louis, RTS's Sullivan Repair Facility is a 30,000 sq. ft. repair shop, fully equipped with the tooling, machining, and crane capability to handle large steam turbine rotors via our high rotor bay. Our large capacity machining and specialized welding shop enables us to handle shells, casing, and all component repairs. RTS takes pride in being able to provide our customers a full-service repair solution.

Our facilities, our quality and safety programs, and most importantly our experienced shop team provide our customers the security of knowing their components are in proficient hands.

Houston Facility Manufacturing/Repair Facility

Located within minutes of Bush Intercontinental Airport, our facility produces a wide range of precision components to power and petrochemical companies.

The Houston Facility enhances our shop and field capabilities by providing high quality turbine parts manufacturing at a competitive cost and schedule. Our reverse engineered turbine blades typically can be delivered within an existing outage window vs. extended lead times offer by unit OEMs.

Our component repair and manufacturing capabilities include advanced CMM, 8-axis grinding processes, CNC milling, lathes, and EDM capabilities. We also boast extensive in-house manual and automated welding capabilities.

Our Capabilities Include:

- ▶ 100,000 Lb. Crane capacity
- ▶ 14' x 14' x 26' sandblast booth
- ▶ Digitally controlled 60" x 60" x 80" electric stress relieve furnace
- ▶ Large 84" x 48" HBM capability
- ▶ Large VBM's to 108" diameter
- ▶ Full-service Machine Shop
- ▶ In-house NDT capabilities
- ▶ Rotor Turning Devices up to 100 tons
- ▶ Slow speed balancing from 5,000 lbs. to 100 tons
- ▶ Full service welding facility complete with automated TIG, MIG, and SubArc capability

Lat-Am Facility

The RTS facility, in Medellin, Colombia is ideally situated for easy import/export access. This allows us to ship our tools wherever needed. Our staff is well qualified to handle large gas and steam turbine turn-key projects.

Our Lat-Am Facility has tooling for open/close and repair projects.

This tooling includes:

- ▶ 25 and 100 Ton Portable Rotor Turning Devices
- ▶ Boring Bars
- ▶ Versa Mills
- ▶ Stud drilling machines
- ▶ Open/Close tool kits

Our locations throughout the Western Hemisphere, allow RTS to be truly global in our service reach.



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Corporate/Repair Facility

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Lat-Am Facility

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