

euroturbine

total turbine technology



شرکت ماشین آلات دوار **اروتوربین** (سهامی خاص)



**MIRACLE
OF
BELIEVE**

**CULTURE
OF
HOPE**

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ABOUT US ...

Euroturbine is an independent company rendering engineering, consultancy and supply services to the Gas turbine and Steam turbine industry worldwide.

Euroturbine has established alliance agreements with many turbine research centers, vendors of turbine parts and equipment manufacturers of the turbine industry. Through these alliances, Euroturbine has unique access to a complete chain of supply to render Design & Engineering services and provide long-term supply contracts.

Euroturbine employs a group of engineers and company executives with many years of experience in rotating equipment for the power generations and oil & gas industries.

Euroturbine is building on long term experience in the field of gas and steam turbines for power generation, process industry and the oil and gas business.

Extensive experience on engineering and upgrades and supply of parts for all types of rotating equipment and replacement parts is present within the company and its associates.

Group capabilities include, but are not limited to, the following:

- Engineering and supervision for gas & steam turbine and generators upgrade and up-rate projects.
- Design, upgrade and manufacture of turbine airfoils for Gas & Steam Turbines.
- Training & know-how transfer for rotating equipment.
- Manufacture of engineered parts and assemblies.
- Support large users in vendor selection for repairs for all types of rotating equipment
- Consulting services to optimize overhaul and maintenance management
- Supply of consumables, ancillaries and spare parts

Our commitment to quality and technology results in products and services that incorporate the latest in best practices, materials, coatings, designs and high-value engineering.

The performance of these products and services in all cases equals, and often exceeds anything available from any other source and is qualified against the ISO9001-2000 requirements.

Our efficient production systems and supply chain management result in very cost competitive products and services.

All products and services are covered by our warranty which equals or exceeds all other suppliers' warranty terms.

The following services are available:

- Metallurgical and mechanical property analysis
- Failure analysis
- Damage assessment
- Parts residual life assessment

High quality services

Over the last decade, more and more utilities and other gas turbine users have started to realize that parts, especially hot section components, can be economically manufactured with small batch sizes. Euroturbine can support you in manufacturing of capital parts to become more cost effective in a competitive market.

- Prototyping and process development for manufacture of gas turbine blades (buckets) and vanes (nozzles)
- Combustion System Manufacturing for all types of Industrial Gas Turbines (IGT)
- Manufacture of steam turbine air foiled parts (nozzles & blades)
- Flow Testing and Calibration of all cooled blades and nozzles.
- Finite Element analysis.
- Solid Modeling and rapid prototyping.
- Combustor Upgrades and Tuning
- Instrumentation and control redesign

PART MANUFACTURING

**Gas Turbines Parts
Steam Turbines Parts
Bearings**

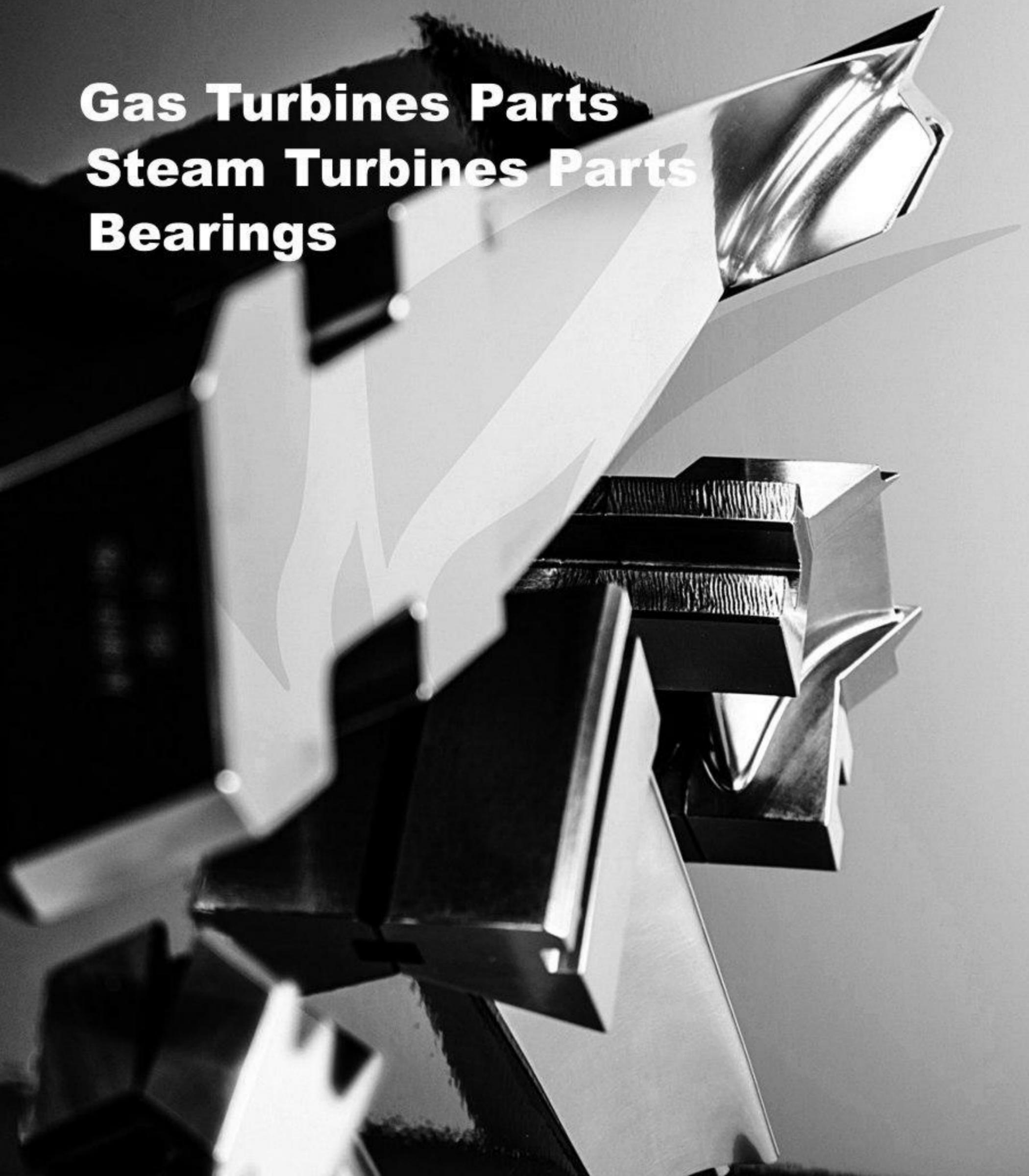
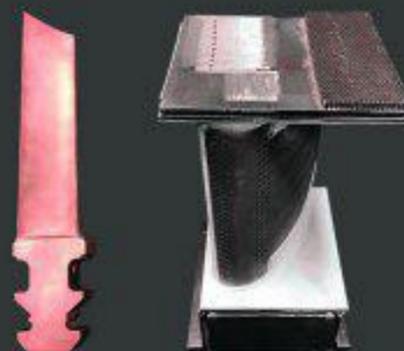


ABB13D

ROTARY BLADES
STATIONARY VANES
COMBUSTION CHAMBER PARTS



MHI701B MHI701D WESTINGHOUSE W501 WESTINGHOUSE W251 (TG20)

ROTARY BLADES
STATIONARY VANES
COMBUSTION CHAMBER PARTS



GE-MS5001

ROTARY BLADES
STATIONARY VANES
COMBUSTION CHAMBER PARTS



GE-MS9001E

ROTARY BLADES
STATIONARY VANES
COMBUSTION CHAMBER PARTS



SIEMENS (KWU)V93.0
SIEMENS (KWU)V93.1

ROTARY BLADES
STATIONARY VANES
COMBUSTION CHAMBER PARTS



SIEMENS V94.2

ROTARY BLADES
STATIONARY VANES
COMBUSTION CHAMBER PARTS



ACCESSORIES

INSTALLATION HARDWARE
SHROUD BLOCKS
LABYRANT BLOCKS
THERMOCOUPLES
SEALS



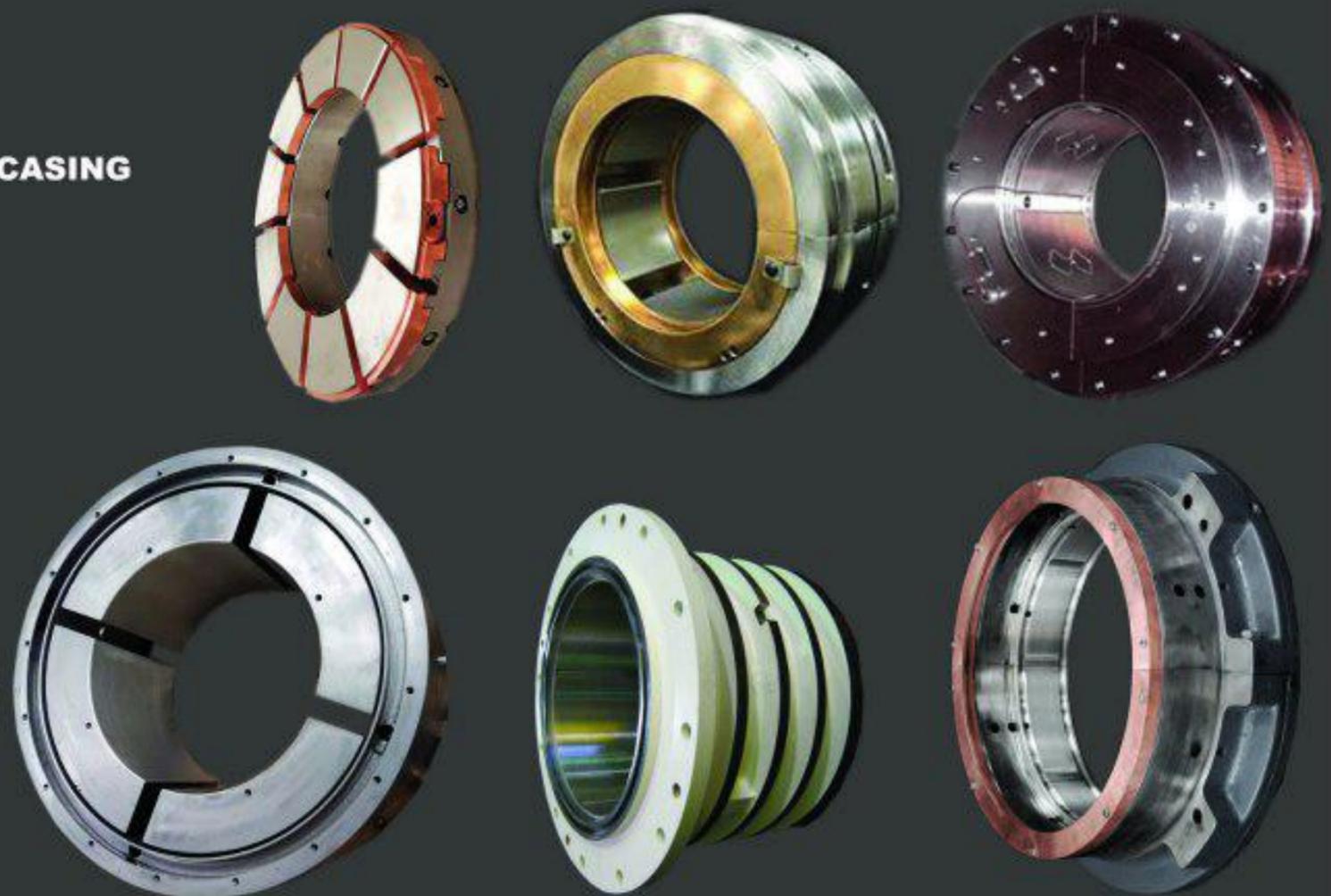
STEAM TURBINES PARTS

ROTARY BLADES
STATIONARY BLADES



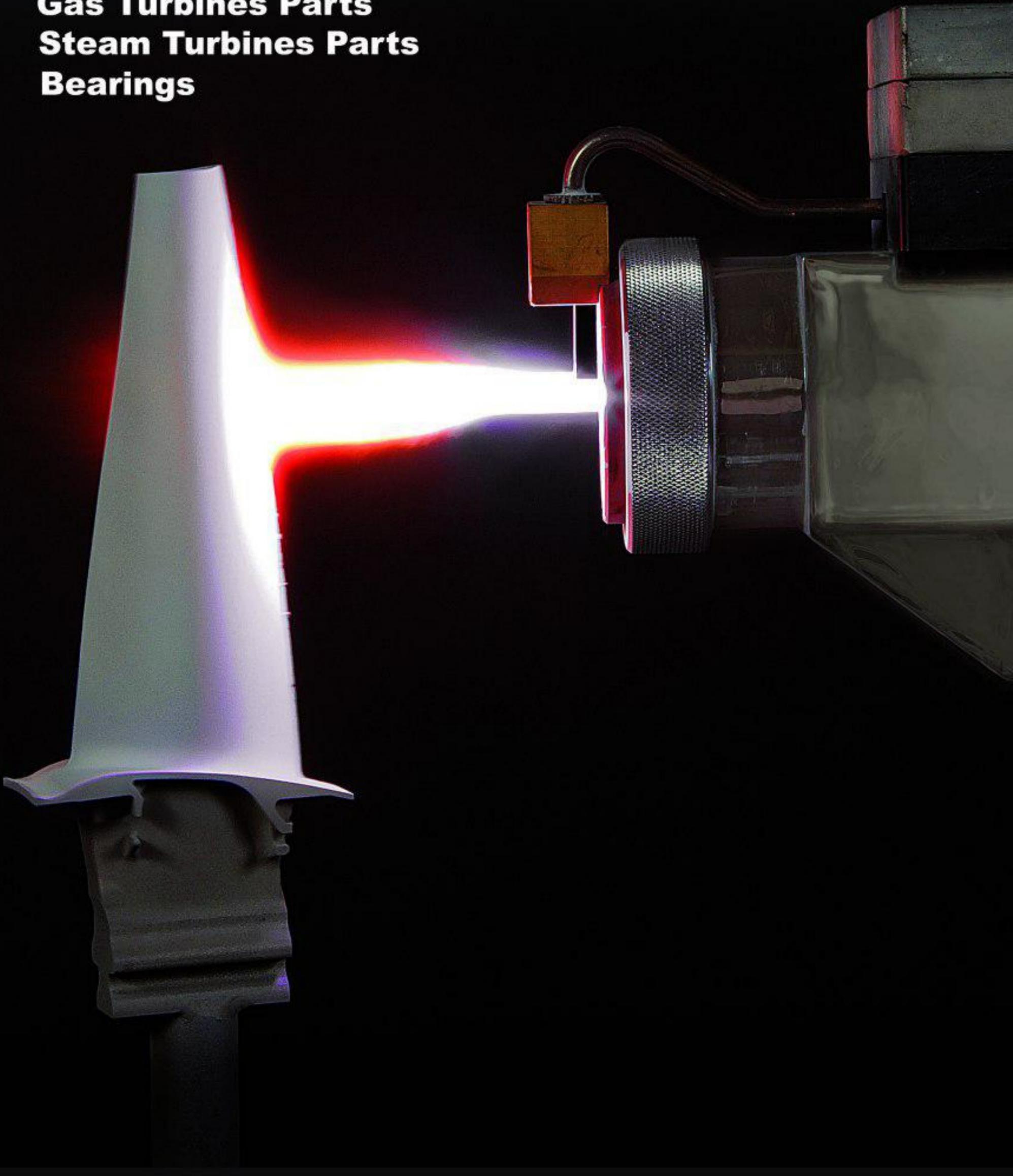
BEARING & CASING

TRUST
JOURNAL
HEAVY DUTY CASING



REPAIR

Gas Turbines Parts
Steam Turbines Parts
Bearings



Euroturbine's team of consultants is available to support users in the selection of quality vendors for repair and overhaul.

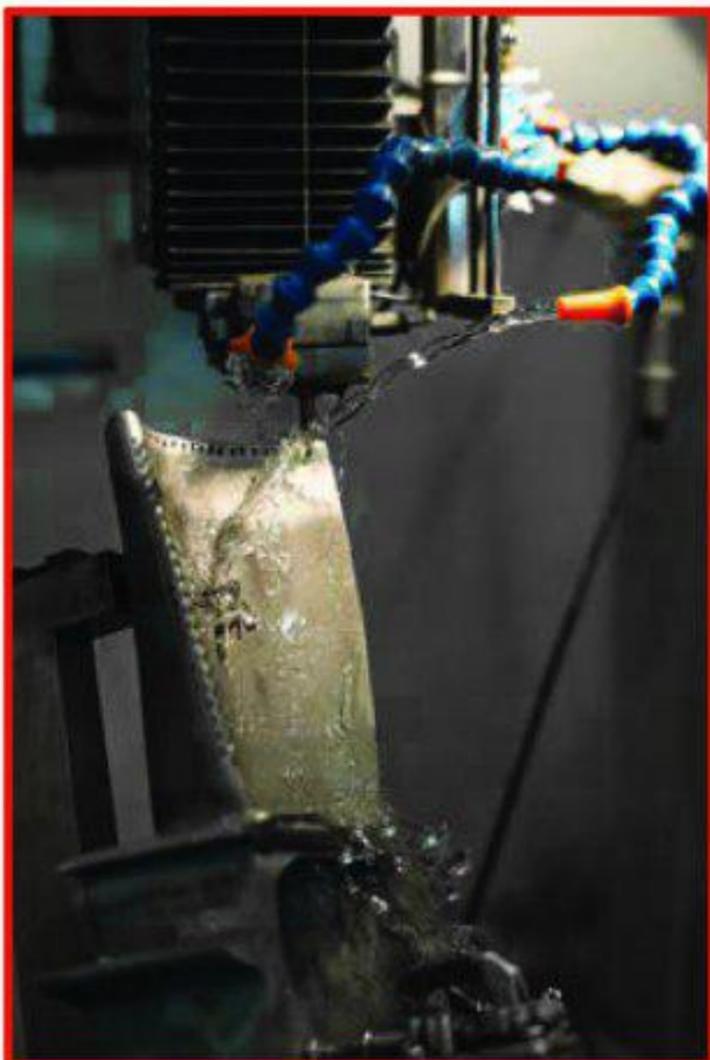
Through associated companies, Euroturbine provides repair and overhaul support for a broad range of equipment used in the oil & gas, power generation and process industries.

Repair and overhaul capabilities are dedicated to provide tailor designed support and to meet each customer's individual requirements. These facilities use most advanced technology and equipment.

Our personnel is highly experienced to guarantee our clients a reliable and high quality repair and overhaul service for their equipment by defining tailor-made work-scopes and regular quality audits during the repair process.

Vendor selection and quality audits for:

- IGT Hot and Cold section parts repair and upgrade
- Steam turbine parts repair
- Rotor repairs and overhaul
- Generator repairs and upgrade
- Site and shop inspection
- Scheduled and unscheduled overhauls
- Installation and commissioning





**REVERSE
ENGINEERING**

What we offer in this department:

In-House & On-Site 3D Scanning

Euroturbine offers both in-house and on-site scanning services, around the world, which is vital in minimizing downtime of your turbines and machinery. 3D scans at your fingertips with our latest laser scanner, fast scans are possible with an increased field of view in places where conventional contact measurements are not possible or efficient. The data is recorded in detailed point clouds with a high resolution.

Easy measurement of complex shapes with our Contactless 3D scanner can digitize features that are difficult to inspect with contact measurements, such as flush and gap and very shiny surfaces. Complex shapes and difficult-to-access parts can be measured and accurately controlled. Seamlessly recording information that is necessary for the accurate inspection and also modeling of parts on the work floor.

Reverse Engineering

With Euroturbine's cutting-edge 3D scanner we can practically scan any component in great detail to guarantee that your products are manufactured and conform to drawings. Using the latest 3D modeling software and highly trained engineers enables us to Re-engineer very complex shapes with complex internal cavities to ensure functionality of the parts. We can Re-engineer your (re-) used components, according to your specifications or design demands.

3D printing-rapid prototyping

Thanks to our in house 3D printer we can rapidly prototype the models we make and re-design. One of the main advantages of this is the speed at which parts can be produced compared to conventional manufacturing methods. Complex designs can be uploaded from a CAD model and printed in a few hours. The advantage of this is the rapid verification and development of design ideas. Where in the past it may have taken days or even weeks to receive a prototype, our 3D printer places a model in the hands of the designer within a few hours. Our In-House 3D Printer with Industrial level quality and smooth build surface – up to 0.1 mm resolution gives us the ability to:

- 3D Printed product evaluation and production
- Design verification and testing both for as cast and machined to help the manufacturing process move faster.
- Real mass production of custom products



ENERGY SERVICES

Euroturbine is a worldwide reference in outstanding Industrial Refrigeration Engineering. Euroturbine provides efficient energy solutions, a full range of standard or customized products as well as tailor-made professional solutions and services in a minimal amount of time. Euroturbine has become the best long-term partner for our clients, being the company in which they trust because successful outcome of all their projects is guaranteed.

Euroturbine is a reliable refrigeration company with wide experience in implementing state-of-the-art cooling technologies on different projects, as Turbine Inlet Air Cooling and District Cooling.

Euroturbine, as a leading Cooling solution provider, not only designs the systems, but also, manufactures, installs, commissions and supervises the project from the earliest stage up until the finished product is handed over to the client. Due to the wide range of engineers, Euroturbine designs and supervises all the works in the different disciplines: Mechanical, Electrical, Civil and Control.

Euroturbine is the gate to an upgrade, more efficient system, leading solutions at the right place and at the right time.



ENERGY SERVICES

TIAC COMPONENTS

TIAC system requires state-of-the-art engineering and design equipment selection and procurement filed installation, commission, and start-up. A TIAC plant is comprised of a number of components, including chillers, piping, pumps, controls, and tes tank units.

COOLING PLANT

- With industrial type chillers
- Detailed study of the cooling plant, including all the auxiliary equipment
- Two types of cooling plant:
 - Site Erected plant
 - Modular plant

THERMAL ENERGY STORAGE TANK

Chilled water is produced and stored during non-peak hours. Cooling energy will be consumed during peak hours.

TURBINE FILTER HOUSE MODIFICATION

Filter house with cooling module. Responsible for generating the cool air stream entering the turbine inlet.



RENEWABLE ENERGIES

PROMISE TO THE EARTH
SAVE ENERGY
SAVE ENVIRONMENT



Sunshine day & night – Euroturbine customers get electricity from sunshine at lowest prices. We are aiming at economically better power supply solutions than coal, oil, gas and nuclear alternatives – pollution free and competitive .without subsidies

We are a Germany based High tech-company and we offer efficient solutions to economically harness and store sun energy. We produce 24h/7d “on demand” electricity, cooling, demineralized water and micro algae only from sun-shine, air and brackish water

Founded in 2012 by solar energy experts, with 9 years’ experience in this field, the company received its first orders .and quickly expands with a project pipeline in Europe and Asia



Euroturbine is a member of a European Group of Companies.

Euroturbine has opted for an all European supplier network. Our family of associated companies includes many state-of-the-art production facilities and well-established, highly experienced, service providers.

Each company is a leading player in its own product and services range. All companies work to Euroturbine's technical specifications and manufacturing and material requirements. All companies are ISO-certified.

The selection of our group members is based on strict guidelines to maintain the quality of our services and meet customers' requirements. All companies apply the latest techniques to ensure fast development cycles and short time to market.

All facilities are equipped with the latest technology and qualified and highly experienced personnel to guarantee our clients competitive and high quality products and services.

CASTING



MACHINING



COATING & REPAIR



STEAM TURBINES PARTS MANUFACTURING



BEARING / CASING MANUFACTURING & REPAIR



ENERGY SERVICES



RENEWABLE ENERGIES



**WE
ARE
CERTIFIED
ACCORDING
TO**



CERTIFICATE BELGESI 證書 CERTIFICAT CERTIFICADO CERTIFIKAT

TÜV CERT

TÜV INTERNATIONAL

CERTIFICATE

The Certification body of TÜV International

hereby certifies that
Euro turbine Co
Tehran- Iran

2nd Floor, No.22, Khalilzadeh Street, Vanak Square, Tehran, Iran

With Management of
Mr. Saeed Tavakoli
saeed.tavakoli@euroturbine.com

has implemented a Management System Standard
in accordance with :

ISO 9001:2015

The scope of this Quality Management System Includes
Manufacturing of gas & steam turbines parts
especially hot section parts

Certificate Expiry Date : Oct 5, 2018
Certificate Registration No : 42331247
Effective Date : Oct 5, 2017

 
Director, Certification Body

www.tuvintl.co.uk

CERTIFICATE BELGESI 證書 CERTIFICAT CERTIFICADO CERTIFIKAT

TÜV CERT

TÜV INTERNATIONAL

CERTIFICATE

The Certification body of TÜV International

hereby certifies that
Euro turbine Co
Tehran- Iran

2nd Floor, No.22, Khalilzadeh Street, Vanak Square, Tehran, Iran

saeed.tavakoli@euroturbine.com

With Management of
Mr. Saeed Tavakoli

has implemented a
Management System Standard
Occupational Health & Safety
in accordance with :

ISO 45001 : 2016

The scope of this Quality Management System Includes
Manufacturing of gas & steam turbines parts
especially hot section parts

Certificate Expiry Date : Oct 5, 2018
Certificate Registration No : 42359271
Effective Date : Oct 5, 2017

 
Director, Certification Body

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CERTIFICATE BELGESI 證書 CERTIFICAT CERTIFICADO CERTIFIKAT

TÜV CERT

TÜV INTERNATIONAL

CERTIFICATE

The Certification body of TÜV International

hereby certifies that
Euro turbine Co
Tehran- Iran

2nd Floor, No.22, Khalilzadeh Street, Vanak Square, Tehran, Iran

With Management of
Mr. Saeed Tavakoli
saeed.tavakoli@euroturbine.com

has implemented a
Management System Standard
Environmental Management
in accordance with :

ISO 14001:2015

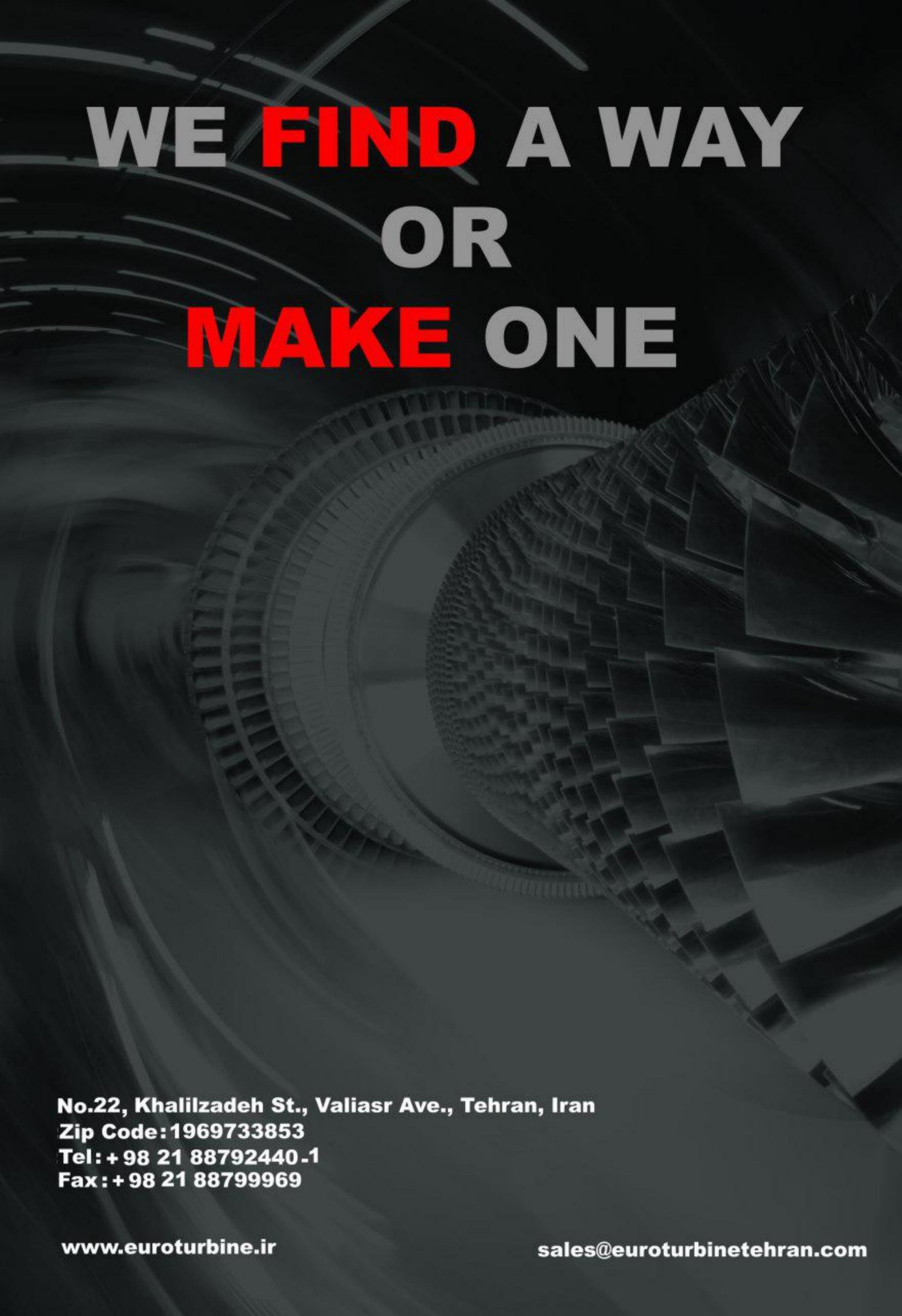
The scope of this Quality Management System Includes
Manufacturing of gas & steam turbines parts
especially hot section parts

Certificate Expiry Date : Oct 5, 2018
Certificate Registration No : 42402264
Effective Date : Oct 5, 2017

 
Director, Certification Body

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**WE FIND A WAY
OR
MAKE ONE**

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