

FANAVARAN TEJARAT POUYA



فن آوران تجارت پویا

(سهامی خاص)

Fanavaran Tejarat Pouya Company



# FANAVARAN TEJARAT POUYA

## Certificates

FTP Co. has achieved valid Certificates from the Iranian Ministry of Petroleum regarding the following turbines:

- Rolls Royce Avon 1533, 1534, 1535 & Olympus
- GE Nuovo Pignone F5, F6, F9
- GE Hitachi 5321, 6541
- Solar Saturn 1000, 1200, 1300, BG1-SB-IR
- Siemens Ruston TA1500, TA1750, TB 5000, TD4000
- Siemens SGT 100, 200, 300, 400, 500
- Siemens SGT 600 – Level A, B, C.
- Zorya DU80, DG90, DJ59L2

We would like to mention that FTP Co. has achieved the ISO-9001 Certificate from one of the most valid certificate issuance centers, SGS (Switzerland) in field of Supply and Repair of Rotating Machinery (Gas Turbine and Compressor).



Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)





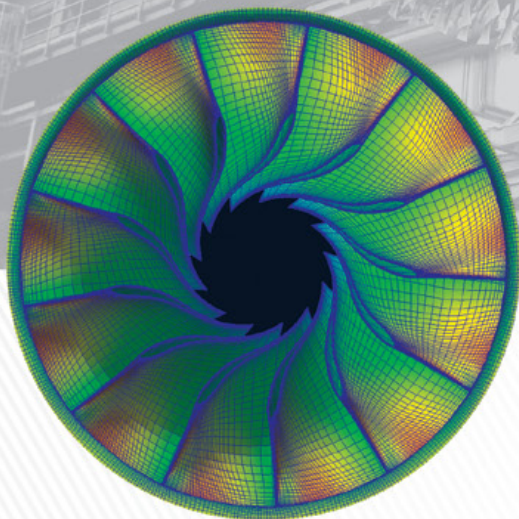
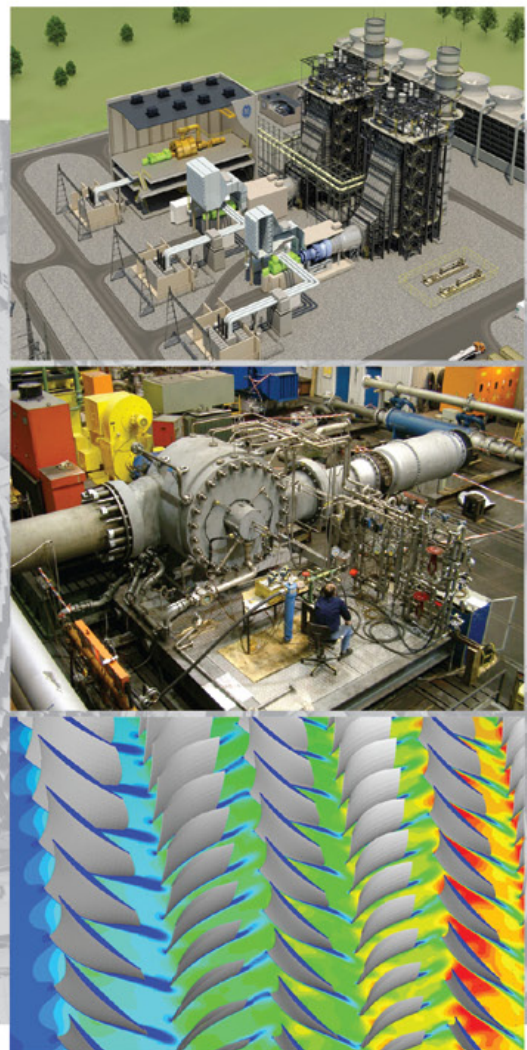
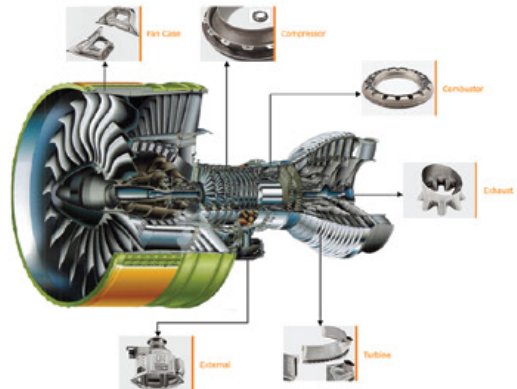
# FANAVARAN TEJARAT POUYA

## Design and Engineering

Design and engineering capabilities play a great role in total solution services concept. FTP Co. has developed an engineering department which could offer:

- Product and Process Design
- Reverse Engineering
- Mechanical Engineering Analysis
- Vibration/Modal Analysis
- CFD Aero-Thermal Analysis

Engineering department also acts as a service provider for all other activities of FTP Co. including Design, Engineering, Manufacturing, Production and Procurement. This department is also ready to deliver direct services to customers.



Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)

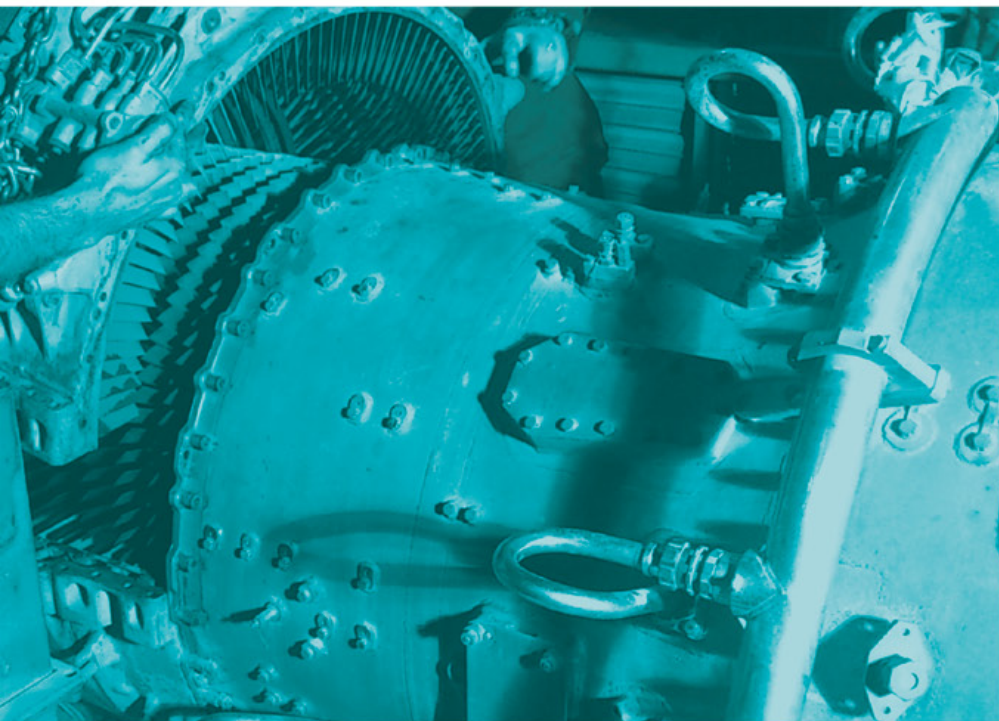


# FANAVARAN TEJARAT POUYA

## Maintenance and Overhaul Services

In line with total solution services concept, FTP Co. is delivering maintenance and overhaul services of rotating machineries by development of a maintenance & overhaul facility also staffing a wide range of mechanical, instrumentation and control technicians and engineers, technical advisors and project managers. FTP Co. has been granted as licensee by the Iranian Ministry of Petroleum for maintenance and overhaul of different types of gas turbine packages and parts. FTP Co. can provide:

- Major Overhaul and Periodic Inspections
- Repair and Re-conditioning of Hot Gas Path Parts
- Design and Manufacturing of Special Tools
- Long Term Service Agreements (LTSA)
- Field Services



Currently, FTP Co. is engaged with several maintenance and overhaul projects. We are able to perform maintenance and repair services on bellow gas turbine types and their components:

- Siemens:
  - SGT100, 200, 300, 400, 600 (Level A, B, C), 700
- Siemens (Ruston):
  - TA, TB & TD Series, EM85
- GE (Nuovo Pignone):
  - Frame 5, Frame 6, Frame 9
- GE (Hitachi)
  - 5321, 6541, H-15, H25
- Solar Turbines:
  - Saturn, Centaur, Mars, Taurus
- Zorya
  - DU80, DG90, DG59L2



Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)





# FANAVARAN TEJARAT POUYA

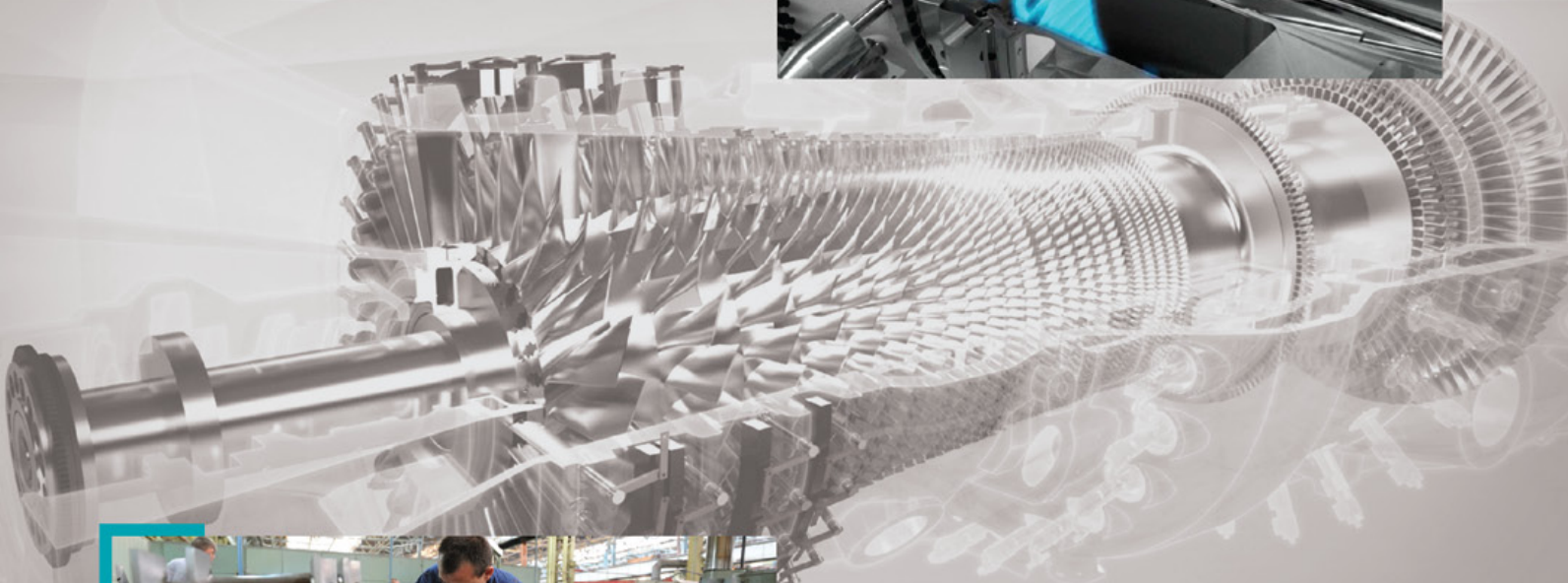
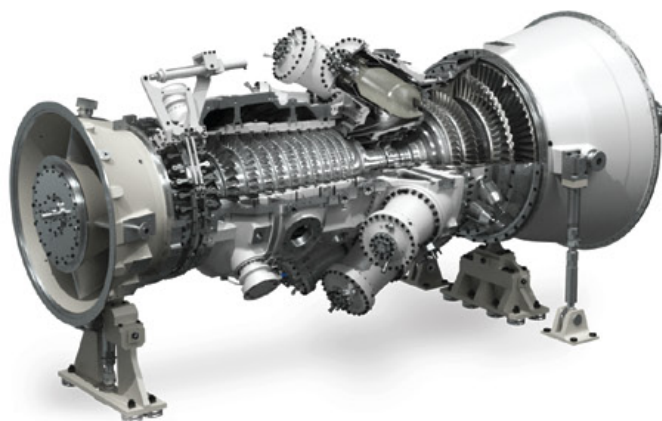
## Manufacturing and Production

By having required information in-hand, FTP Co. is capable to plan and manufacture high technology parts and assemblies. The information for production and manufacturing of each product will be extracted from original drawings or by using reverse engineering procedures from existing parts which could be transformed into required documents for manufacturing. For production of parts and assemblies, FTP Co. uses either in-house capabilities, or its partner's facilities outside of Iran with continuous supervision of FTP Co.

FTP Co. has been granted several manufacturing projects by its client with a vast diversity of type and complexity. Among them are high-tech parts like high speed turbo expander impellers, stationary and rotary blades, micro turbine complete rotor and high speed turbine gear sets.

FTP Co. manufacturing and production process includes:

- Special Raw Material Procurement
- Production Planning
- Rapid Prototyping and Tooling
- Multi Axis Machining
- Special Welding
- Balancing
- Polishing
- Plating



Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)





# FANAVARAN TEJARAT POUYA

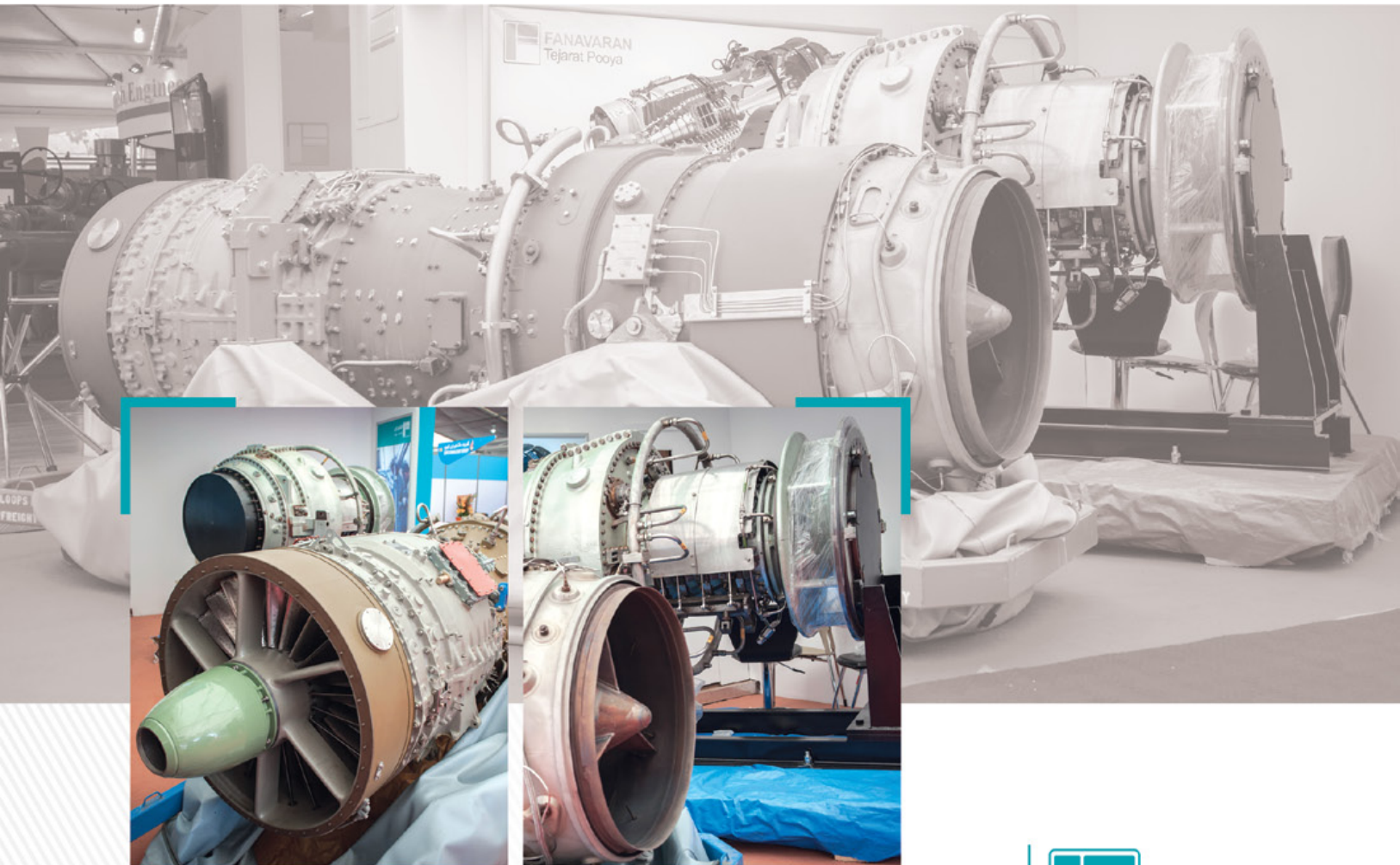
## Procurement

One of the most important fields of our activities is delivery of professional procurement services to clients. Bringing this goal into reality, FTP Co. has developed a professional supply chain of domestic and abroad suppliers to support client needs and its own requirements for maintenance projects. We can offer:

1. Complete Packages
2. OEM and Aftermarket Spare Parts

Currently, we are handling several procurement services to our clients including delivery of complete turbo generator and turbo compressor packages, hot gas path and cold section parts of rotating machineries of bellow types:

- **Siemens:**  
Turbines: SGT100, 200, 300, 400, 600, 700, V94.2.  
Compressors: 10MV2A type
- **Nuovo Pignone (NP):**  
Turbines: MS1002, MS5001, MS5002 C & D  
Compressors: BCL type, Reciprocating types
- **General Electric (GE):**  
Turbines: GE10, Frame 5, Frame 6, Frame9
- **Alstom: Turbine:**  
GT13D
- **MAN Diesel & Turbo:**  
Turbine: THM 1203, 1304
- **Sulzer:**  
Turbine: S1, S3, S7



Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)





# FANAVARAN TEJARAT POUYA

## FTP Projects

FTP Co. has been awarded with many projects from different clients and has successfully completed and finalized all of them, whether in the field of procurement of spare parts and core engines, or in the field of gas turbines and compressors repairs and overhauls.

Some of them are as the following:

- 5 Sets of Siemens SGT-600 Combustion Chambers / Procurement / IGTC
- Nuovo Pignone GE10-2 Gas Turbine Rotor / Procurement / IGTC
- Rolls Royce Avon 1535-161G Gas Turbine Core Engine / Lease / IGTC
- Ruston EM85 Gas Turbine Spare Parts / Procurement / IGTC
- Siemens SGT-100 (Typhoon) Gas Turbine / Major Overhaul / IGTC
- 2 Sets of Siemens SGT-600 Gas Turbine Core Engine / Procurement / IGTC
- Nuovo Pignone MS5002C Gas Turbine Spare Parts / Procurement / IGTC
- Rolls Royce Avon 1533 Gas Turbine / Major Overhaul / IGTC
- Rolls Royce Avon 1535-161G Gas Turbine / Lease / Fajr-e Jam Gas Refinery
- Rolls Royce Avon Gas Turbine / Major Overhaul / Fajr-e Jam Gas Refinery
- Nuovo Pignone MS5002D Gas Turbine Spare Parts / Procurement / PKC
- Rolls Royce Avon 1535-161G Gas Turbine / Procurement / Mapna, Tuga
- 2 Sets of Solar Saturn Gas Turbine / Major Overhaul / IOPTC

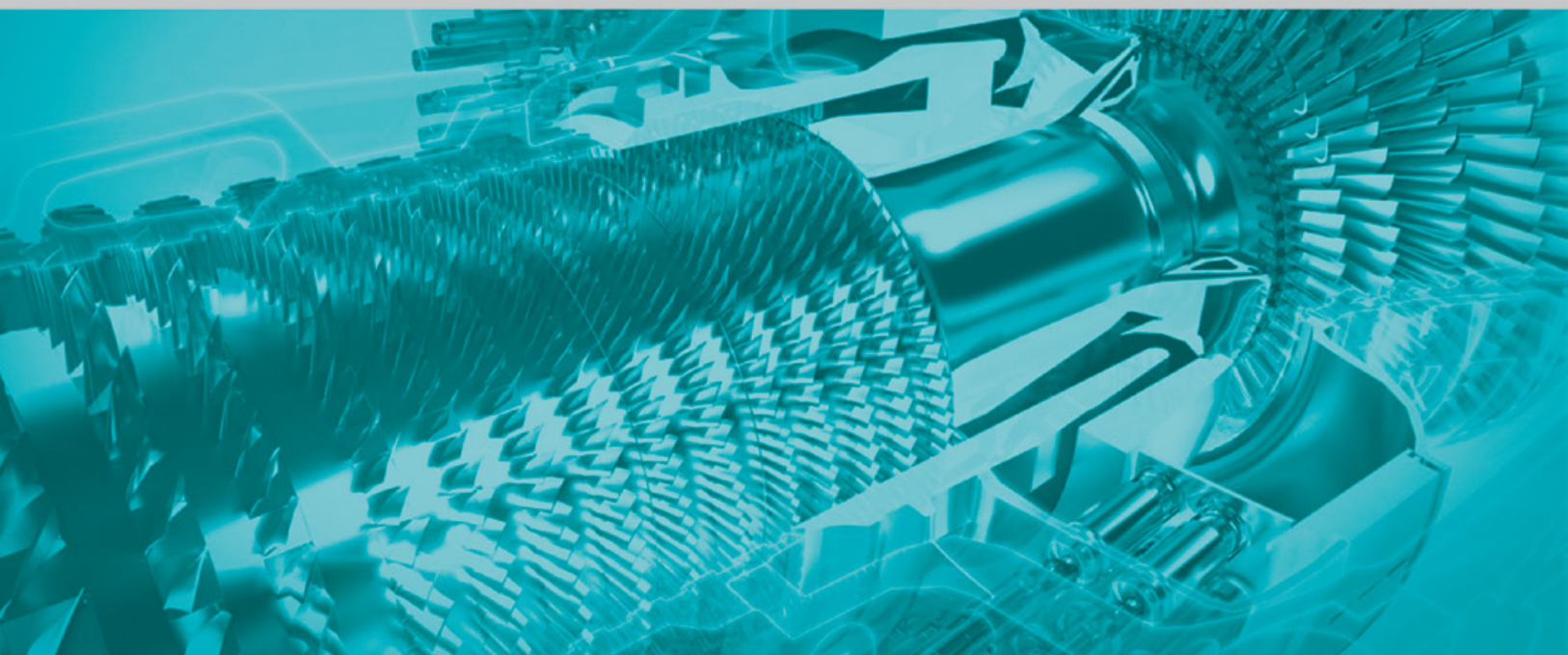


Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)





# FANAVARAN TEJARAT POUYA



Head Office: Unit 4, Number 100  
Gharani Street, Tehran, Iran  
Tel: +98 21 88927508-10  
Fax: +98 21 88907877  
Website: [www.ftp-turbine.com](http://www.ftp-turbine.com)  
E-mail: [info@ftp-turbine.com](mailto:info@ftp-turbine.com)