



Establishment Of Company

TEMSAN, Turkish Electromechanical Industry whose all capital belongs to Republic of Turkey Under secretariat of Treasury is a related institution of Republic of Turkey Ministry of Energy and Natural Resources.

General Directorate of TEMSAN carries out its activities as a state owned enterprise in Yenimahalle ANKARA since 1985.







1982 **DIYARBAKIR FACTORY**

Establishment Of Company

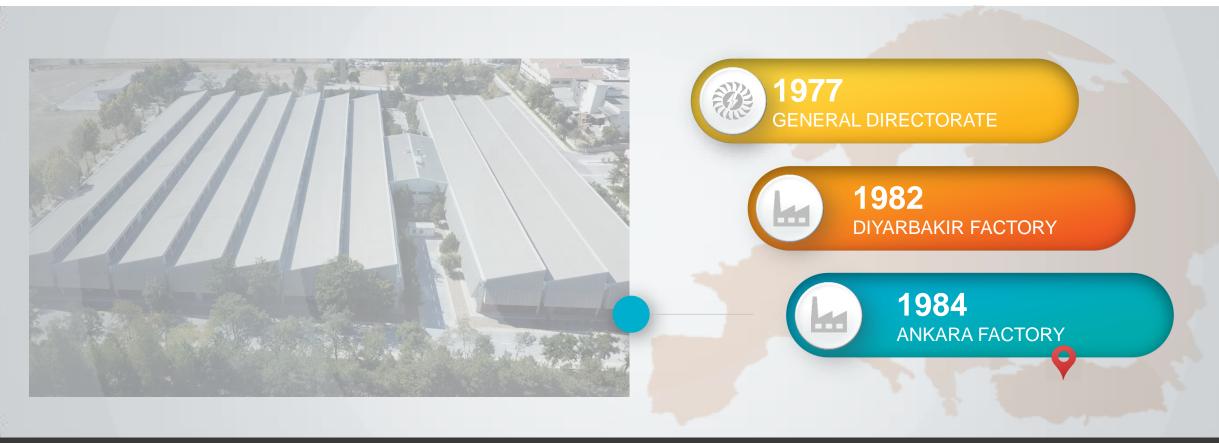
Diyarbakır Factory consisting of welded assembly hall, manufacturing hall for turbine and manufacturing hall for generator was established in 1982.

- □ 30.000 m² Covered area
- ☐ 13.000 m² Production hall
- ☐ 100 MW Annual production capacity



→ 30 minutes

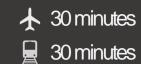




Establishment Of Company

Ankara Factory is located near premises of General Directorate of TEMSAN

- □ 98.349 m² Area
- ☐ 25.889 m² Covered area
- ☐ 16.000 m² Production hall



Our Potential

We are at your service with 42 years of experience and our employees most of whom are technical



Financial Condition

Sales

Our Company having showed successful performance between 2015 and 2018 has increased its sales 4 times

2016

Turnover

Success in sales was also reflected in turnover and our turnover in 2018 increased by 7 times as compared to 2015

Market Share

While increasing its share in Petroleum - natural gas and fossil fuels markets, our company has continued to protect its share in renewable energy

2018

2019

MISSION - VISION

SUPPLY SECURITY

To provide support to national supply security on energy need

PROVIDING ADDED VALUE

To operate in activities setting added value to the national economy in the energy sector

RIGHT INVESTMENT

To manufacture most right product, not market-ready product for your project



GLOBAL BRAND

To be a global brand in the energy sector

COMPETITIVE

Having global competitive power

MILESTONES

SINCE ITS FOUNDATION. TEMSAN









1954

General Directorate of State Hydraulic Works



1975

Decision on establishment of TEMSAN



1978 - 1983

Design, Building of 4th Unit Hirfanlı HEPP with local resources

MILESTONES

SINCE ITS FOUNDATION. TEMSAN



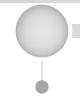














Establishment of company

1982

Diyarbakır Factory started production



1984

Ankara Factory started production



1986

First HEPP was commissioned



2000

Contribution to electricity generation was over 1 billion kWh



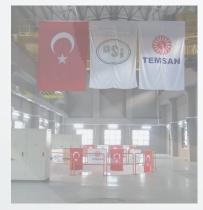
2001

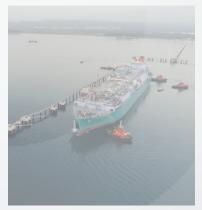
Private Sector Projects

MILESTONES

















Target: 100% domestic equipment



Domestic manufacturing incentive share of 2,3 dollar cent/kWh.



Contribution to electricity generation was over 20 billion kWh



2017

Turkey's Largest

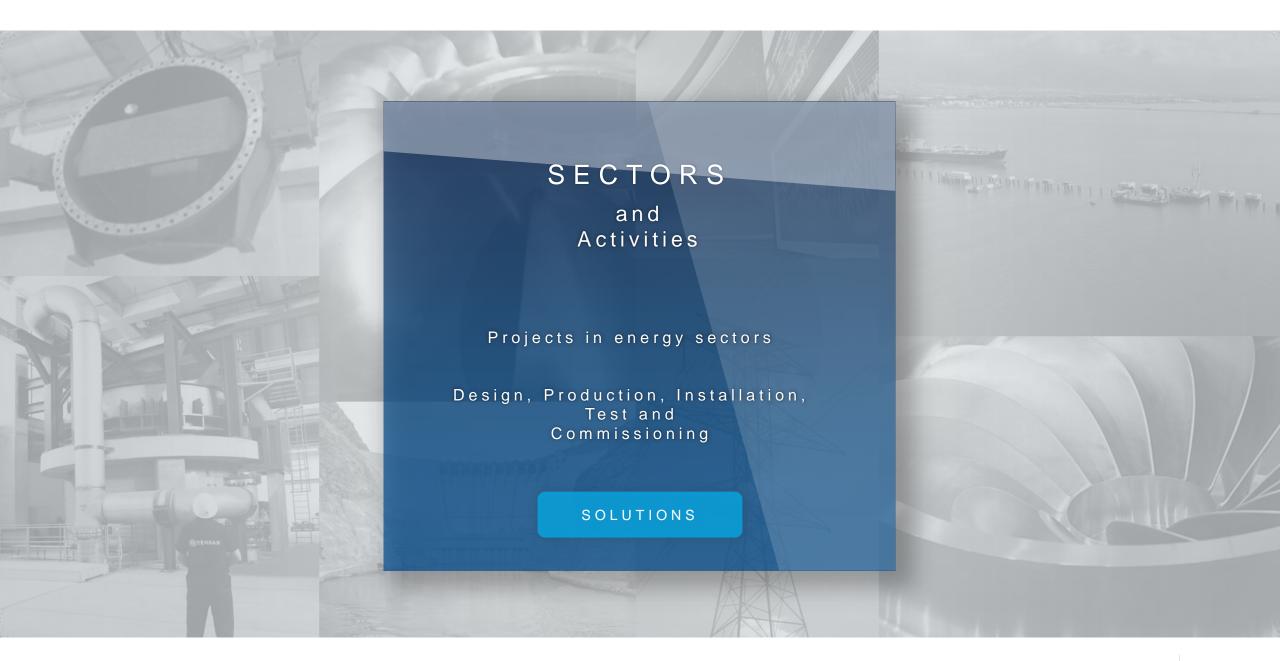
2020

2023

TARGET: FSRU facility To be in the top 500 Industrial

Enterprises

Global Brand

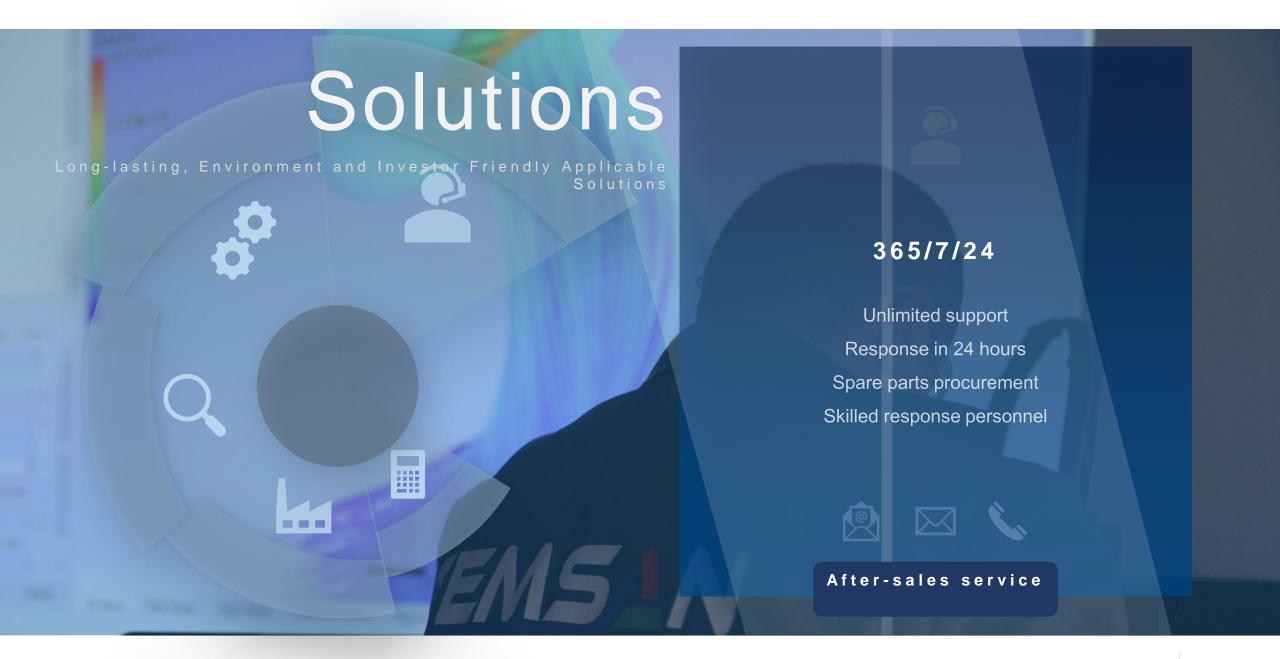




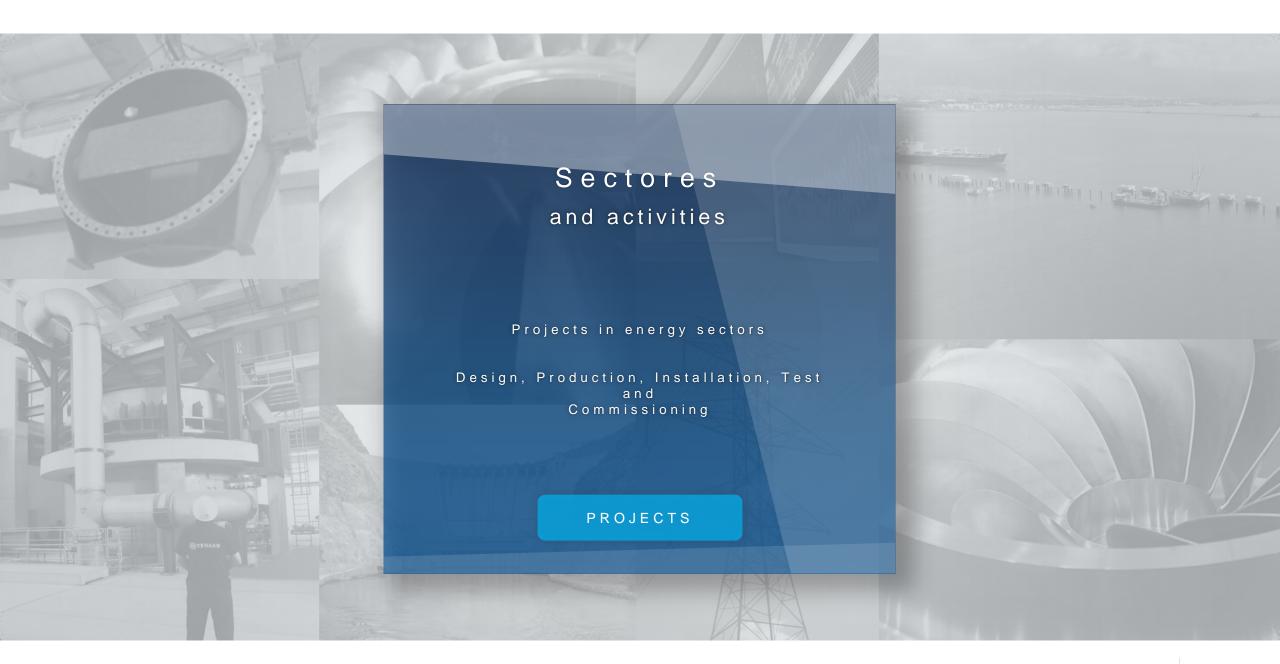














4 Rehabilitation Projects



1800MW

It is 3rd largest power plant of Turkey with installed capacity of 1,800 MW.

SECOND LARGEST

It is 2nd largest hydroelectric power plant (HEPP) of Turkey.

5720mm

It has the largest turbine runner in Turkey and the diameter of runner is 5720 mm.

7.500.000.000kWh

It can meet all electrical energy requirements which 2.000.000 people need in their daily life (housing, industry, metro, government office, environmental luminance etc.).

6 x 300MW

Nominal Flow rate: 235 m3/s

Net Head: 144m

Maximum water level of Karakaya Dam which is 2nd largest dam built on river after Atatürk Dam on The Euphrates (River) is 693 m, also minimum water level of it is 675 m.

1987

Karakaya HEPP built by DSI was put into operation in 1987.



KARAKAYA HEPP

TURBINE REHABILITATION PROJECT

85 tonnes

Weight of each runner in units is 85.000kg. 6 units with contribution of native engineers and 4 units with possibilities of domestic industry will be built. The resources more than 20 million € will remain in our country.

960 tonnes

The total rotating mass weight of the system whose maintenance will be conducted with local means is 960 tonnes.

%94,7

HEPP whose current efficiency is below %92 will generate electricity with efficiency of 94.7% after rehabilitation.

+200GWh/y

With the rise of efficiency, Increase of 200 million kWh will be in annual power generation.

10.000.000 €/y

Income of 6 million € in year will be gained through only increase in power generation and the project will amortise itself in 4 years. The contribution with domestic manufacturing will reach 10 million €.



Domestic Manufacturing Incentive

Value-Added

As it is known, in case of usage of domestic turbine and generator, domestic manufacturing incentive is applied in purchase of energy within scope of YEKDEM .

2,3 Dollar Cent Incentive Share

The investors who prefer TEMSAN products will be able to sell the electricity as 9,6 dollar cent/kWh per unit by also adding domestic manufacturing incentive share of 2,3 dollar cent/kWh to the their electricity sale price of 7,3 dollar cent/kWh.





HV Circuit Breakers

170 kV 1250 A 31,5 kA SF6 gas HV circuit breaker

HV Disconnectors

170 kV 1250 A 31,5 kA HV disconnector

HV Transformers

170 kV HV current and voltage metering transformers

Power Transformer

11/154 kV 25,7 MVA

Surge Arrester

144 kV 10 kA surge arrester

Control

MV Cubicles and Command & Control Building

Rehabilitation

- Changing of Flue Gas ID Fan of Afşin Elbistan. B power plant
- Optimization of main boiler
- Maintenance of motor

Operation

- Afşin Elbistan A Power Plant Operation, Maintenance and Repair
- Afşin Elbistan B Power Plant Operation, Maintenance and Repair
- Afşin Elbistan B Power Plant "C" Operation of Coal Conveying System
- Afşin Elbistan Lignite Operation Management .Operation of belt conveyor road





1355MW

It is 8th largest power plant of Turkey and 2nd largest power plant of Kahramanmaras with installed capacity of 1355 MWe.

SECOND LARGEST

It is 2nd largest thermal power plant fuelled by lignite in Turkey

EIGHT LARGEST

It is also 8th largest power plant of Turkey

2.800.000.000kWh

It can meet all electrical energy requirements which 900.000 people need in their daily life.

500 Staff

The service is performed to The Afsin-Elbistan Thermal Power Plant, one of the largest plants in the region, by maintenance & repair and site team of 500 people

1984

Afsin-Elbistan TEPP was put into operation in 1984.





2400m

The total length of the plant which consists of two parts, 1600 m and 800 m, is 2400 m

Turkey's Largest FSRU Facility

Turkey's largest FSRU facility whose construction commenced in 2017 commissioned in 8 months.

263.000m³

The facility is the largest in turkey in terms of vessel capacity that the facility will provide service.

200 Steel Piles

During the installation, 200 steel pile driving operations were carried out.

25x30m Loading Platform

The largest loading platform of our country and of the region in terms of size.

14 Dolfen Docks

There are 14 dolfen docks with catch hooks with a capacity of 150 tonnes in facility.

HATAY - DÖRTYOL ESPANA EASTERNAMENTAL EASTE

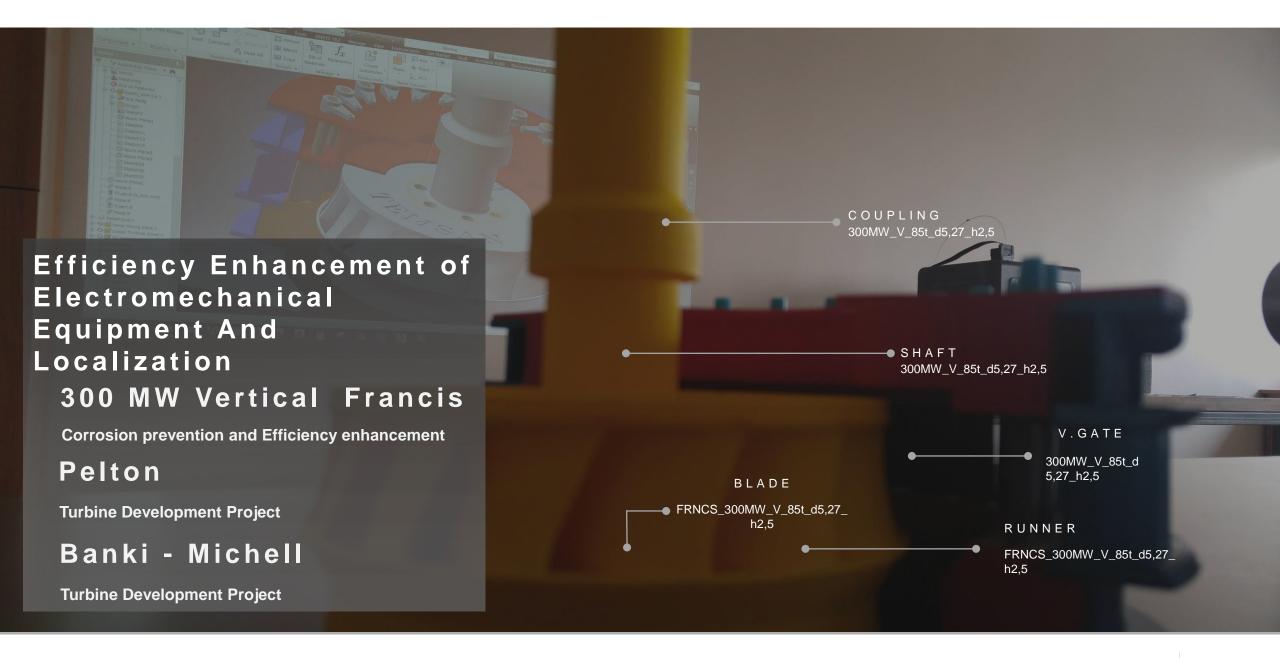
Minister of Energy and Natural Resources, Berat ALBAYRAK opened the FSRU (Floating LNG Storage and Gasification Unit) terminal in BOTAŞ Dörtyol.

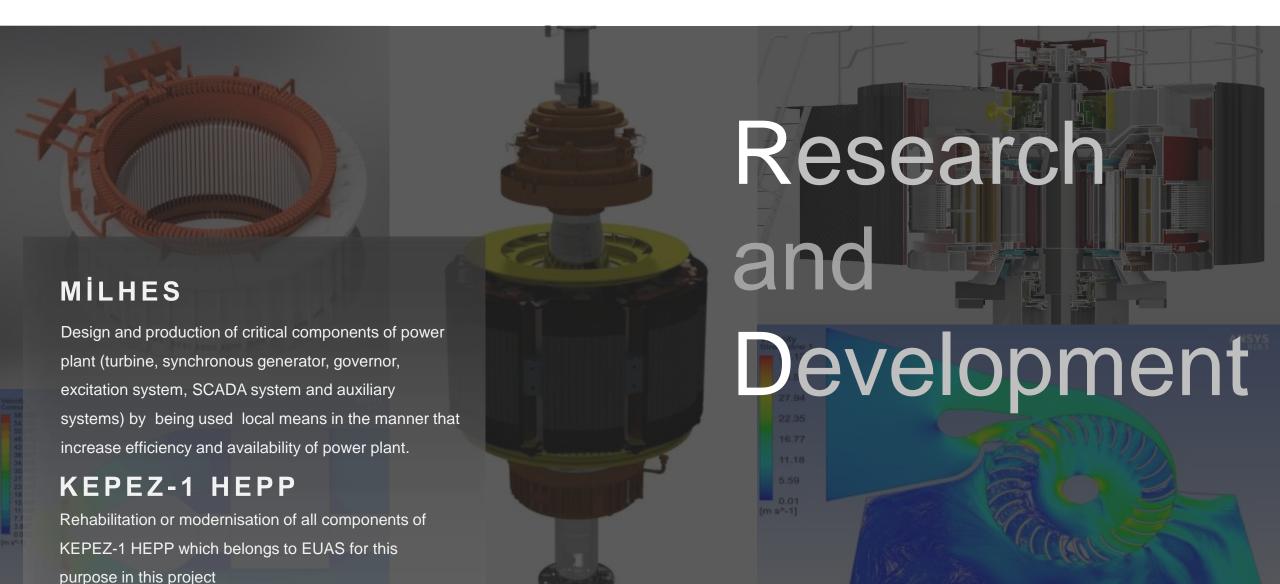
Albayrak said in his speech at the opening ceremony that they had closed 2017 with great achievements and records in the field of energy and they had started to this year ,2018, by promising that they would work harder.

He expressed his thanks to everyone who laboured day and night with great devotion, and continued;

"We started laying the critical building blocks at the security of energy supply, one by one in Turkey. We commission here in Dörtyol, Hatay, the second FSRU terminal of Turkey which we proudly heralded on every platform. We present a facility with such a record size along with its capacity to the service of our nation. This facility, with 263 thousand cubic meters of LNG storage capacity as of the world's largest, is very crucial in terms of energy supply security in Turkey, and as the one with a daily capacity of min 15 million up to 20 milion cubic meters of liquefied gasification, and with volumes in the form of 167 million cubic meters of LNG, it is a great deal on top of the world standards..may it be auspicious!" he said.



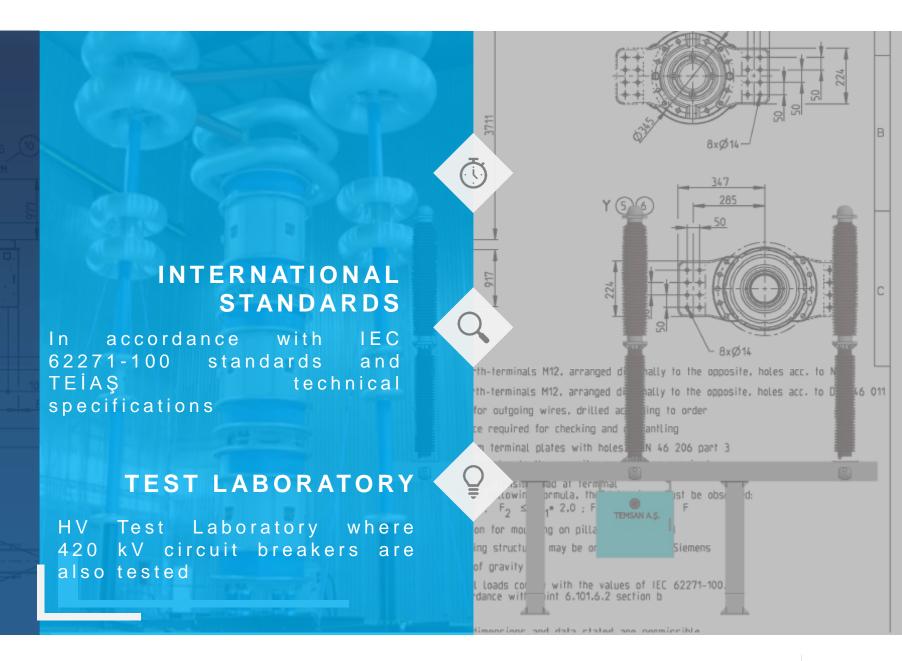


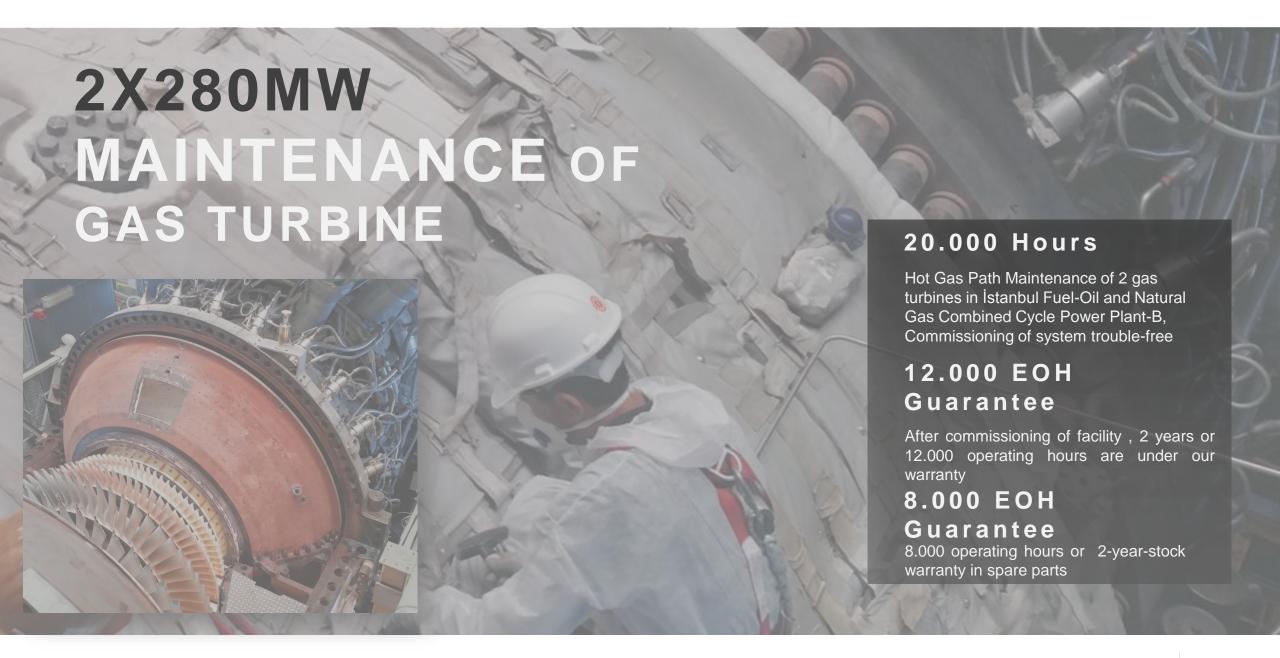


170 kV SF6 Gas High Voltage Circuit Breakers

3150A, 31,5 kA

170 kV SF6 Gas 3150A, 31,5 kA -40/+45OC





Stakeholder

















Memberships



World Energy Council

CONSEIL MONDIAL DE L'ENERGIE

Turkish National Committee

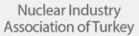
COMITE NATIONAL TURC

Dünya Enerji Konseyi Türk Milli Komitesi Derneği













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General Directorate and Factories



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