

***Powerful solutions with
high efficiency!***



**Power Solutions for
Energy Industry**

 **TEKSAN**

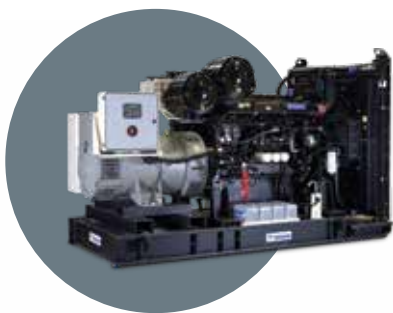




WHENEVER YOU NEED POWER, WE ARE ALWAYS WITH YOU...SINCE 1994!

Since 1994, Teksan has been delivering high quality tailormade solutions that are designed accordingly to your requirements with strong after-sales technical support and maintenance services anytime and anywhere you need uninterrupted power supply. When your company is moving further ahead rapidly on the road to success, you always feel our continuous support as your reliable power solutions partner.

Because Teksan is a member of your family...



PRODUCTS FOR ENERGY INDUSTRY



We provide **turn-key** power packages that ensure uninterrupted operation of your production...



As Teksan, with our experience of a quarter century and strong engineering know-how, we add strength and value to the energy industry with our cogeneration-trigeneration solutions and our hybrid systems, and diesel and gas generators sets with international quality certificates used by engine and alternator brands that are known worldwide for their quality and performance and which operate with high performance under the toughest

conditions. Our company, which has become of the leading companies in the energy industry not only with its production infrastructure but also with its investments in human resources and R&D, offers uninterrupted power solutions to a number of important projects in more than 130 countries, primarily factories, and manufacturing and power plants of various sizes and our expert technical team provides the service and spare parts support fast and effectively .



**TAILOR-MADE
SYSTEM AND
PANEL DESIGNS**



**SPECIAL
INSULATION
OPTIONS**



PROJECT REQUIREMENTS

Cost effective auxiliary power source with high efficiency and performance for all storage facility.

SOLUTION WE HAVE PROVIDED

The 1010 kW natural gas generator, the thermal efficiency of which is 49 % and the electrical efficiency of which is 39 %, providing all the energy the plant needs has been designed to operate synchronously with the grid that is available, and primarily when there is no grid. The system providing great advantages with these features also has an option to be converted into cogeneration system in case of adding heat recovery system, and brings along the opportunity to reach higher saving rates with such an improvement. With

this project, a solution with minimal environmental impact while producing energy at lower costs compared to diesel has been delivered to customer, and customer satisfaction has been ensured with the fast delivery of this affordable solution.

**PROJECT REQUIREMENTS**

The supply of energy that will be commissioned following the disconnection of the mains power and the switchboard and required for the operation of auxiliary plants, cooling and lubrication systems of turbines.

SOLUTION WE HAVE PROVIDED

1x2500 kVA diesel generator set with container type special sound insulation canopy which is suitable for synchronous operation with grid.

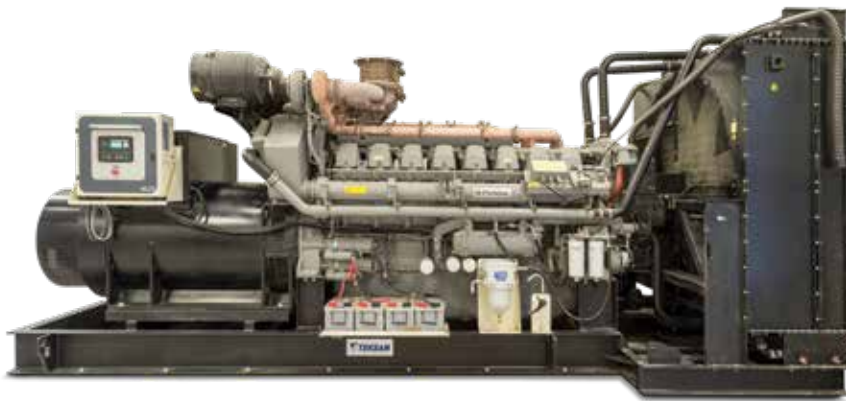


PROJECT REQUIREMENTS

The Power Plant meets approximately 7% of Turkey's electric power generation, and the generated power meets energy needs of Thrace and a large part of European Side of Istanbul.

SOLUTION WE HAVE PROVIDED

TEKSAN products with 1 unit high voltage alternator (6,3 kV) 2500 kVA, 1 unit 1500 kVA (400 V) that we have specially designed for the project serves as the black start generator of the gas turbines in the project.

**PROJECT REQUIREMENTS**

The commissioning of gas turbines in case of black-start, auxiliary power source to feed the lubrication and cooling systems during the disconnection of gas turbines in emergency.

SOLUTION WE HAVE PROVIDED

TEKSAN has provided not only the production of 4x1400 kVA synchronized generator sets with black start feature specially designed for the project but also the electric project optimization to ensure efficient and efficient operation of the system.



SOME OF OUR REFERENCES IN ENERGY INDUSTRY

| | | | |
|---|------------|----------------------------------|--------------|
| ■ Egemer Erzin Natural Gas Cycle Plant | ADANA | ■ Aktavu Boring Rig | KAZAKHSTAN |
| ■ Tupras | BATMAN | ■ Eriell Group | UZBEKISTAN |
| ■ Tanap Project | GUMUSHANE | ■ Luk Oil | UZBEKISTAN |
| ■ Abu Al-Kasim Mobile Power Plant | IRAQ | ■ Ahal-Derweze Gas Turbine Plant | TURKMENISTAN |
| ■ Basra Weatherford Oil Field Project | IRAQ | ■ Calik Enerji Berzengi Project | TURKMENISTAN |
| ■ Gama Erbil Khabat Power Plant | IRAQ | ■ Calik Enerji Orbita Project | TURKMENISTAN |
| ■ Milres Wind Turbine | ISTANBUL | ■ Tashouz Power Plant | TURKMENISTAN |
| ■ TPAO | ISTANBUL | ■ Total | NETHERLANDS |
| ■ Samsung Kirikkale Power Plant | KIRIKKALE | ■ Calik Enerji Khoms Project | LIBYA |
| ■ Alstom Grid | KOCAELI | ■ Seplat Petroleum | NIGERIA |
| ■ Heas Hamitabat Power Plant | LULEBURGAZ | ■ Kameran-Hodeidah Power Plant | YEMEN |
| ■ Mariyza East 1 Power Plant Stara Zagora | BULGARIA | | |

SOME OF OUR SPECIAL SOLUTIONS FOR YOU



Tailor-made System and Panel Designs



Special Container Options



Remote Monitoring System



Synchronization



High Capacity Fuel Tanks



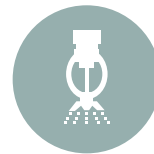
Hybrid Solutions



Power Plants



Lightning Rod



Fire Extinguishing and Protection System



Automatic Blind Systems



Special Insulation Options

**EVERLASTING
COMPANY**

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