

Strong solutions with high efficiency!



**Power Solutions for
Energy Industry**

TEKSAN

*25th
year*

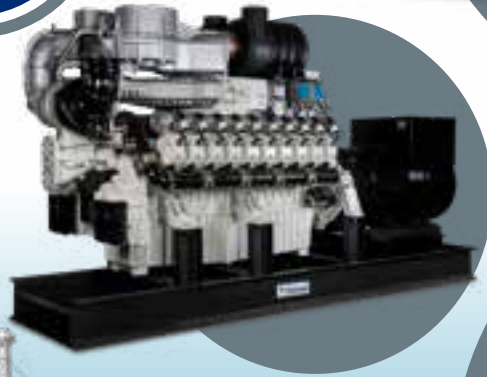




WHENEVER YOU NEED POWER, WE ARE ALWAYS WITH YOU...SINCE 1994!

As Teksan, we are always there for you with our quality solutions designed for your requirements and our 7/24 fast technical support and maintenance services provided after-sales whenever and wherever you require the support of a continuous power. While your company is moving rapidly on the way to success, you shall always feel the support of Teksan, your trusted partner in power solutions.

Because Teksan is a member of your family...



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



As Teksan Generator, 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



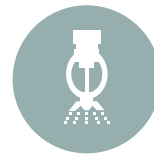
Hybrid Solutions



Power Plants



Lightning Rod



Fire Extinguishing and Protection System



Automatic Blind Systems



Special Insulation Options

**EVERLASTING
COMPANY**

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