



TEKSAN DATA CENTER PROJECT STAGES



PLANNING

- Requirement List
- Conceptual Design
- Site Survey
- Proposal Planning
- Quotation & Recommendation
- Budgeting



PROJECT APPLICATION

- Equipment Selection
- Manufacturing
- Application
- Site Preparation
- Equipment Delivery & Installation



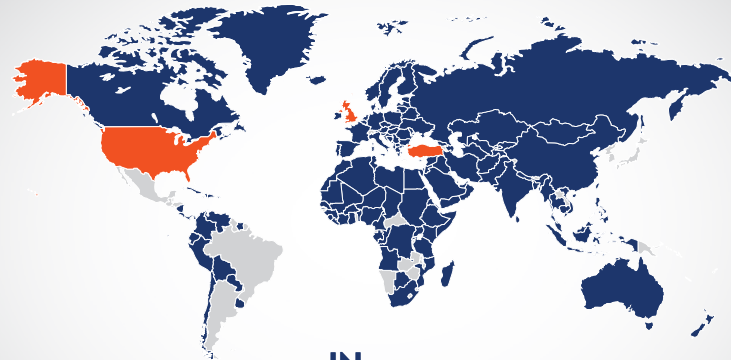
AFTER SALES

- Testing & Commissioning
- Maintenance Contracts
- Maintenance
- Training & Documentation
- Emergency Service

SOME OF OUR REFERENCES FOR THE DATA CENTERS

■ Baku Data Center	AZERBAIJAN	■ KaspiBank Data Center	KAZAKHSTAN
■ CCV Data Center	UNITED KINGDOM	■ Nuon Data Center	NETHERLANDS
■ Diagnostiek voor U	NETHERLANDS	■ Opentext Data Center	CANADA
■ EuroFiber Data Center	NETHERLANDS	■ Sein Data Center	GERMANY
■ FyrsIan Data Center	NETHERLANDS	■ Serverius Data Center	NETHERLANDS
■ Intel Data Center	POLAND	■ Unet Data Center	NETHERLANDS
■ Irdeto Data Center	NETHERLANDS	■ Vodafone Arnhem	NETHERLANDS

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DATA CENTER POWER SOLUTIONS



Uptime
Institute®

TEKSAN PRODUCTS
ARE COMPATIBLE
WITH UPTIME INSTITUTE
TIER CERTIFICATION
TIER III AND TIER IV CRITERIA

RELIABLE
POWER
— FOR —
SECURE DATA

POWER CLASS FOR DATA CENTER

DCP Power Definition (ISO 8528-1:2018)

Defined as continuous power for unlimited hours at constant or variable load, with no load factor limit.

Reliable Power Source for Data Centers

Generator sets provide dependable primary or backup power for data center operations.

Utility Parallel Operation Note

Prolonged parallel operation with utility power is not allowed.

Power Class	Standby	Prime	Continuous	DCP
Load Profile	Variable	Variable	Fix	Variable or Fix
Annual Working Hours	200	Limitless	Limitless	Limitless
Average Load Amount	70%	70%	100%	Undefined*

(*) Although the average load amount for DCP is not specified in the ISO 8528-1 standard, it should be evaluated as a maximum of 100%.

FEATURES

TIER COMPLIMENT SOLUTIONS

Uptime Institute



Redundant Control Systems

- Standby or hot standby control system activates instantly on malfunction
- Maintains generator operation without manual intervention



Integrated Fire Safety Options

- Optional fire detection and extinguishing systems
- Tash-foam for acoustic, heat, liquid, and dust insulation



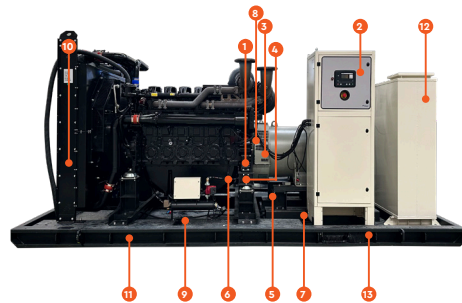
Ready for Any Climate

- Reliable operation in extreme temperatures
- Custom canopy paint options



Smart Canopy Design

- Designed for easy access
- Custom acoustic design



Compact Solutions for Limited Spaces

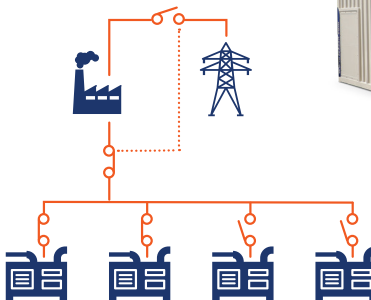
- Remote radiator systems
- Special air inlet/outlet buffers
- High-performance exhaust mufflers
- Indoor acoustic solutions

Advanced Fuel System Components

- Underground double-skinned main fuel tank
- Above-ground main fuel tank (double, single skinned, or with bund)
- Daily fuel tank (double, single skinned, or with bund)
- Automatic fuel filling with redundant pumps and accessories
- Fuel leak detection system
- Fuel maintenance and polishing system
- Automated fuel system monitoring (level, leaks, pump faults)

- Engine Electronic Governor
- Control System
- Dual AVR Card
- PMG
- Class F Alternator
- Redundant Electric Starter
- Battery Group
- Double Bearing
- Heater For Cold Environments
- Tropical Radiator
- Seismic Isolator
- External Fuel Tank
- Output Circuit Breaker

CAPABILITIES FOR DATA CENTER



OPTIONS

- Electronic Governor
- Control Unit
- Double AVR, PMG
- BackUp Starter System
- Cooling Package
- Acoustic Solutions
- Paint Solutions
- Fire Detection and Extinguishing System
- Automatic Shutter
- Canopy / Container
- Fuel Systems

An alternative solution for diesel and special fueled generator sets to deliver higher performance and efficiency with lower costs.

THE SYNCHRONIZATION SOLUTIONS OFFERED BY TEKSAN:

- Multiple set applications for both prime and standby power
- Multiple set standby to mains supply-break return
- Multiple set standby to mains supply-no break return
- Multiple mains supplies
- Single set standby to multiple mains supply-no break return

AFTER SALES SERVICE

TEKSAN

ALWAYS AT YOUR SERVICE...

Management of the service records on servers for proactive after sales services

Remote Monitoring and Management System

Call Center support

UNIQUE AFTER SALES SERVICES AND TECHNICAL SUPPORT SOLUTIONS FOR YOUR PROJECTS;

Free of charge site and power identification with our business partners or Teksan After Sales Services

Technical support and consultancy

Assembly and disassembly

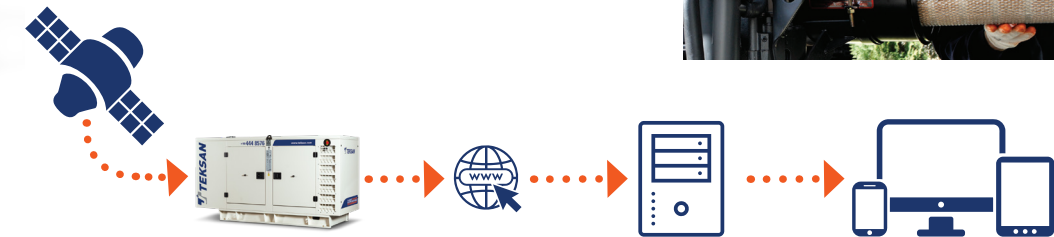
Installation, commissioning

General maintenance services

Emergency calls

Modification, repair, revision

Periodical maintenance services



TEKSAN TEST CAPABILITIES

Low and high voltage tests

Emission tests

Fuel consumption tests

Thermal analyses

Static and dynamic analysis

Vibration tests

Our experienced engineering teams and advanced technology enable us to handle revision requests for all engine types and brands.

