

WE ARE YOUR
EVERLASTING
COMPANY

WE DELIVER POWER TO THE WORLD



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...***



IN TEKSAN "OUR VALUES" COME FIRST...



Teksan, aims to deliver uninterrupted power solutions to the people through sustainable improvement and innovation, designs and installs high quality diesel, natural and biogas generator sets, lighting towers, portable power stations, cogeneration-trigeneration solutions, battery energy storage system (TESS) and hybrid generator sets that exceed the expectations of the customers.

For more than 30 years, thanks to its solid experience and engineering know-how, Teksan has been providing tailor-made power solutions that can efficiently operate even under the most challenging conditions for major international projects such as constructions, telecommunications, data centers, shopping centers, hotels, residential buildings, supermarkets, sport centers, mining facilities, hospitals, research centers, educational institutions and industrial plants all around the world.

Today, thanks to its high quality generator sets approved with international quality certifications which are made of world's top engine brands coupled to well known alternators to meet projects' requirements of different output ranges, and strong after-sales technical support and maintenance services in more than 140 countries, Teksan is always your reliable power solutions partner whenever and wherever you need.



MILESTONES OF SUCCESS...



140+



Launched the power solutions that powered with biogas. Increased the number of countries exported to 120.

2023 - Teksan launched Portable Power Stations Teksan Go On.



It increased the number of companies it exports to 140. TESS - Teksan launched Energy Storage Systems and Mobile / Rental Generators.



Teksan US was established.



In order to improve all production-logistics processes, the transition was made to "Teksan Değişim Yönetimi"(TDY), which enables continuous improvement of quality, efficiency, security and delivery.



Celebrated its 25th years in the industry. Teksan UK was established.



Awarded the Authorized Economic Operator (AEO) Certificate. Has once again proved its quality and reliability by obtaining the UL Certificate. Managed to enter the Turquality Brand Support Program. Increased the number of countries exported to 130.

2018

25.yıl

2019

2017

Kocaeli factory has started to operate. Being recognised as a R&D Centre by the Ministry of Science, Industry and Technology, Teksan Generator has become the first private R&D centre in the industry. Ranked Fortune 500 Turkey list from the 469th place.



2016

Chosen for the TUBITAK-TEYDEB Success Stories Booklet with the first domestic Hybrid Generator Set of Turkey. Launched the first and only "Hybrid Lighting Tower" of Turkey to its product range. Ranked 436th in TIM 1000 and ISO 500 lists. Moved up to the 97th place in the list of 250 leading R&D companies of Turkey.



2015

Innovated the first national Hybrid Power System in Turkey.



2014



Realised the first trigeneration system project with 4x500 kW gas engine. Teksan was named among the in TIM's "Top 1000 Exporters of Turkey" list.



2012

Teksan Generator started Teksan Production System (TÜS).



2011



Teksan carried out the most comprehensive ERP project of the industry.

2007

Developed the first domestic production cogeneration systems of Turkey.

2005

R&D Department has been established. Produced the first national natural gas generator set of Turkey.

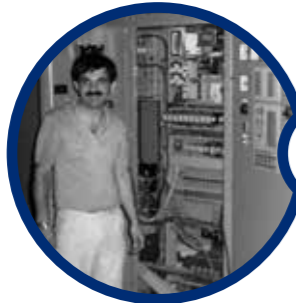
2004



With its special project with 2x3125 kVA - 11 kV alternators, Teksan produced the biggest generator sets in Turkey until today.

1994

Established under the name "Deniz Mühendislik Ltd. Şti." and began its activities.



1996

Changed its name as Teksan Jeneratör Elektrik Sanayi ve Ticaret A.Ş.



2000

Increased its product range upper limit from 880 kVA to 2250 kVA.

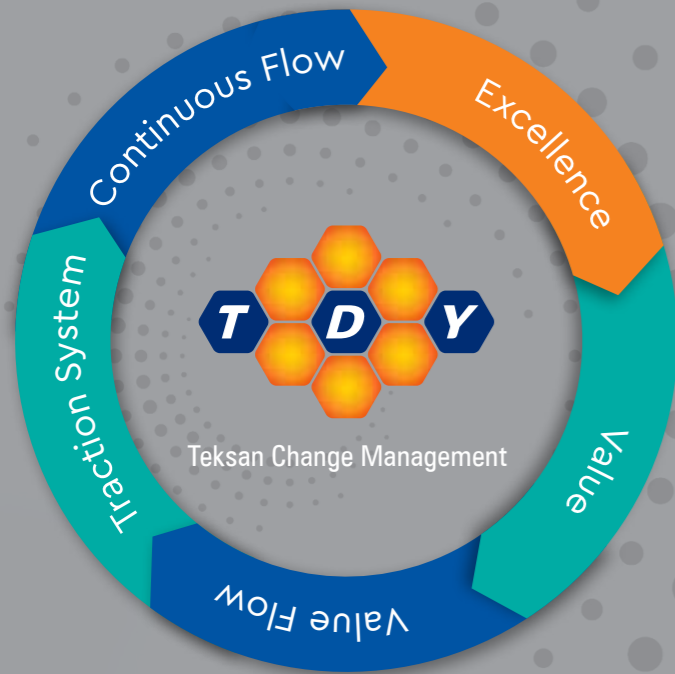


2003

Moved to Sancaktepe Plant. Power upper limit was increased from 2250 kVA to 3550 kVA.



TEKSAN QUALITY IS NOT A COINCIDENCE!



TDY Teksan Change Management (TDY) covers all known systems, unlike those it allows to focus on the greatest loss. Its realization is supported by an audit system and measured by appropriate Performance Indicators (KPI). TDY aims to achieve operational excellence, improve business results by increasing productivity, improve product and service quality to increase customer satisfaction, to manage the company by using auditable work flows and measurable goals, and to educate the future senior managers and the leader candidates.

QUALITY CERTIFICATES AND DOCUMENTS



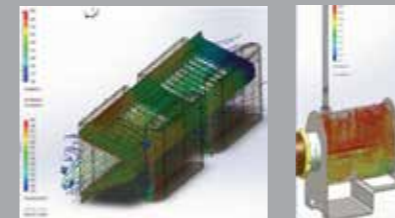
Producing high quality solutions with proper price that meets continuously-changing customer needs beyond expectations and delivering timely solutions are the most important objectives of Teksan's Quality Policy. In line with this aim, Teksan, which carries out all its activities with international standards, as well as Teksan Production System, Quality Management System, Environmental Management, Occupational Health and Safety system are established by Teksan, has lots of international certificates and documents as 2000/14/EC Noise Emission Certificate, ISO 9001, ISO 14001, SONCAP Product Certificate, ISO 45001, CE Certificate, EAC Certificated, UL Listed, TSE Service Competency Certificate and Turkish Standart Compliance Certificates, takes part among most reliable and most preferable companies of sector in power solutions with providing uninterruptedly pre-sales and after sales technical support.



TEKSAN'S HIGH STANDARDS!

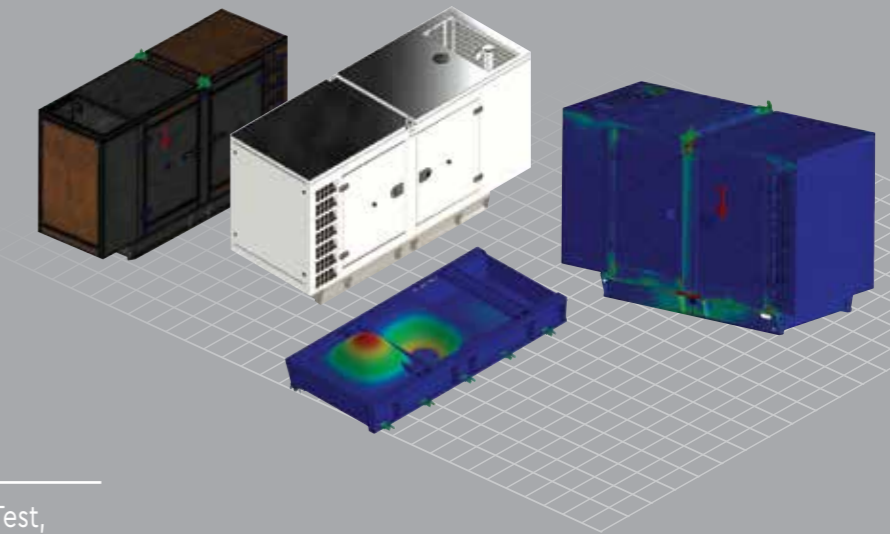


THERMAL ANALYSIS



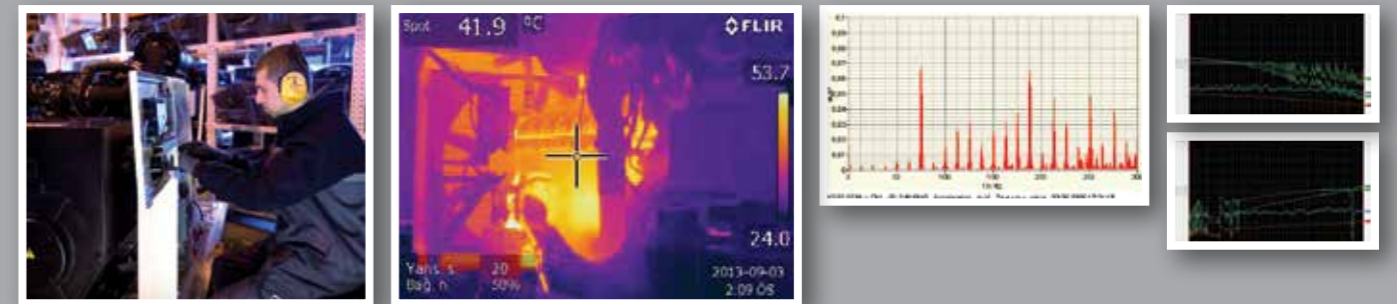
FINITE ELEMENTS ANALYSIS

- Static Analysis,
- Dynamic Analysis,
- Natural Frequency Analysis,
- Fatigue Analysis,
- Nonlinear Analysis.



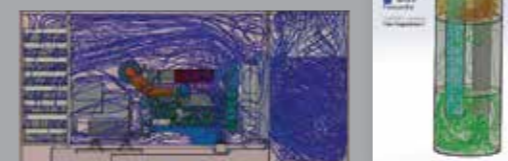
TESTS

- Voltage Measurement Implementations,
- Vibration Test,
- Acoustic Test,
- Temperature Test,
- Performance Test.



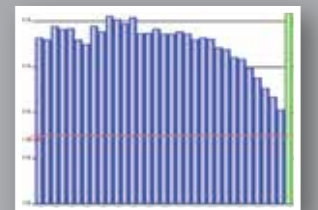
COMPUTATIONAL FLUID DYNAMICS

- Cabin Flow Optimization,
- Exhaust muffler
- Back Pressure Analysis.



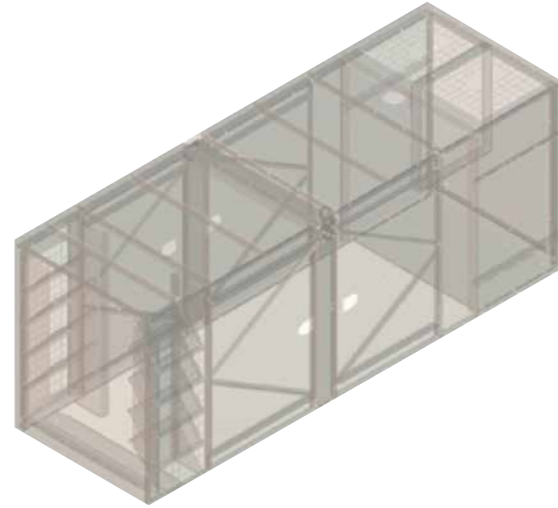
ELECTRICAL TESTS

- Insulation Test,
- Working scenarios simulation,
- Harmonic Measurement,
- Temperature control.



LISTEN VERY CAREFULLY!

THANKS TO
ULTRA SILENT CANOPIES,
NOT ONLY YOUR GENSETS
BUT ALSO YOUR EARS
ARE PROTECTED!



STANDARD TYPE CANOPY

Teksan canopies which take up little space with their compact design and offer excellent sound insulation with the use of Teksan's Tashfoam sponge, maintain their appearance good as new even after 3000 hours of salt tests thanks to the electro-static powder coating technology.

HIGH PROTECTION
AGAINST
CORROSION AND
RUST

MAKING
DIFFERENCE IN
PERFORMANCE IN
TERMS OF SOUND
INSULATION

DESIGN
WITH MAKING
TRANSPORTATION
AND MAINTENANCE
EASIER

SAFE
USAGE

- Compatible with 2000/14/EC directives, certified noise emission level,
- 2 or 4 points transport possibility according to cabin size,
- Hidden exhaust inside the canopy,
- Emergency stop button located on the canopy,
- Improved air suction channel to ensure homogenous cooling in the canopy,
- Radiator air outlet and exhaust with designed towards above,
- Lid on cab that provides to be filled up water and antifreeze easily to the radiator,
- Amplified paint system against corrosion and rusting,
- Improved performance in terms of sound insulation,
- Demounted parts that make transportation and maintenance easier,
- In accordance with customer requests, private canopy production with desired sound level/size.



ALL CONTROL IS IN YOUR HANDS

YOUR ENERGY IS UNDER "CONTROL"

Standard control panels, that are used in Teksan sets, provide comfort and confidence in usage with all required indicators. Special control panels, that can satisfy all needs, are designed in accordance with requests of our customers.



MANUEL CONTROL PANEL

Manuel Control Panel is designed for generator groups which are desired to connect manually. Especially, it is preferred in the absence of grid electricity power. Manuel control panel provides taking of protection precautions, monitoring and implementing of control operations. Micro processor electrical control module provides protection precautions.

AUTOMATIC CONTROL PANEL

Automatic Control Panel is designed according to generator groups that are used as back up of grid. It steps in automatically when grid electricity is cut and transfers the electricity that obtains from generator set to the system. In case of return of grid power, automatic control panel transfers the load to the grid and halts generator automatically. It has electronic control unit with protection and control specific and micro processor for working of engine and alternator group healthfully. As well as this unit gives a possibility to conn automatic-manuel-test at inert-test at load position, it also includes measurement equipments for visual control.



EXTENSIVE OPTIONS FOR MORE POWER...



Thanks to its engineers, that are experts in their subjects, Teksan offers you much more than a generator set by putting your needs in the first place.



WHAT DOES TEKSAN SYNCHRONIZATION PROJECT PROVIDE YOU?



Synchronization is to mount the same common busbar after the comparison of two or more generators groups' voltage frequency value's phase alignments and angles. Synchronous groups meet current load by sharing in ratio of their forces and work

or stop automatically according to load alteration. Thus, synchronous groups provide economic advantages and security. With purchasing single group generator set by identifying initial need, establishment's initial investment cost can be decreased and important savings in fuel consumption can be provided. Synchronized generator set provides remote control possibility to all functions by communicating with components as PLC computer, network, modem. Thanks to synchronized generator set transmits information to automatisations systems, economy and security reach to high level.



DIESEL GENSETS



RAISE YOUR STANDARDS WITH HIGH EFFICIENCY DIESEL GENSETS!

Teksan offers solutions to meet any need with diesel generator sets with or without cabins with power options ranging from 9 kW to 3300 kW which are available in its standard product range. With their high performance powered by technology, low operating costs and longevity, Teksan Diesel Generator Sets set the standards for the generator market.



60 Hz Product Range – Standby Stationary Diesel



Genset Model	Perkins Engine	EPA	Alternator	Genset Standby Power – KW				
				480/277V	208/120V	240/120V	600/347V	240/120V – 1Ph
					(WYE)	(DELTA)	(WYE)*	(1Ph-DD)
TJUD9P	403D-11G	Tier 4 Final (ESE)	Leroy Somer	9	9	9	9	9
TJUD13P	403D-15G	Tier 4 Final (ESE)	Leroy Somer	13	13	13	13	13
TJUD20P	404D-22G	Tier 4 Interim	Leroy Somer	20	20	20	20	19
TJUD25P	404D-22TG	Tier 4 Interim	Leroy Somer	25	25	25	25	24
TJUD28P	404D-22TG	Tier 4 Interim	Leroy Somer	28	28	28	28	27,50
TJUD30P	404D-22TAG	Tier 4 Interim	Leroy Somer	31	32	32	31	30
TJUD50P	1104D-44TG1	Tier 3	Leroy Somer	50	52	52	49	52
TJUD55P	1104D-44TG1	Tier 3	Leroy Somer	57	57	57	56	57
TJUD60P	1104D-E44TG1	Tier 3	Leroy Somer	60	60	60	64	60
TJUD65P	1104D-E44TG1	Tier 3	Leroy Somer	64	65	65	64	65
TJUD80P	1104D-E44TAG1	Tier 3	Leroy Somer	80	85	85	85	80
TJUD100P	1104D-E44TAG2	Tier 3	Leroy Somer	100	106	106	100	105
TJUD125P	1106D-E70TAG2	Tier 3	Leroy Somer	125	130	130	125	125
TJUD150P	1106D-E70TAG2	Tier 3	Leroy Somer	150	150	150	150	140
TJUD160P	1106D-E70TAG3	Tier 3	Leroy Somer	160	160	160	160	150
TJUD175P	1106D-E70TAG4	Tier 3	Leroy Somer	180	175	175	180	165
TJUD180P	1106D-E70TAG4	Tier 3	Leroy Somer	180	182	182	180	175
TJUD200P	1106D-E70TAG5	Tier 3	Leroy Somer	200	200	200	205	200
TJUD250P	1706D-E93TAG1	Tier 3	Leroy Somer	250	250	250	255	230
TJUD275P	1706D-E93TAG2	Tier 3	Leroy Somer	275	275	275	275	
TJUD300P	1706D-E93TAG2	Tier 3	Leroy Somer	300	300	300	300	
TJUD315P	1706D-E93TAG2	Tier 3	Leroy Somer	320	315	315	320	
TJUD350P	2206D-E13TAG2	Tier 3	Leroy Somer	350	350	350	350	
TJUD400P	2206D-E13TAG3	Tier 3	Leroy Somer	405	405	405	400	
TJUD450P	2506D-E15TAG1	Tier 3	Leroy Somer	455	450	450	455	
TJUD500P	2506C-E15TAG3	Tier 2	Leroy Somer	500	500	500	500	
TJUD530P	2506C-E15TAG3	Tier 2	Leroy Somer	530	530	530	530	
TJUD550P	2506C-E15TAG4	Tier 2	Leroy Somer	550	560	560	550	
TJUD600P	2806C-E18TAG3	Tier 2	Leroy Somer	600	610	610	600	
TJUD750P	2806C-E18TTAG7	Tier 2	Leroy Somer	750	750	750	750	
TJUD800P	5008C-E30TAG4	Tier 2	Leroy Somer	820	800	800	800	
TJUD865P	5008C-E30TAG4	Tier 2	Leroy Somer	895	865	865	880	
TJUD900P	5008C-E30TAG4	Tier 2	Leroy Somer	900	900	900	900	
TJUD1000P	5008C-E30TAG5	Tier 2	Leroy Somer	1000	1000	1000	1000	

Single phase units power ratings are given at pf 1.0

* 600/367V WYE connection is available only special/dedicated winding alternator.

DIESEL GENSETS



Advantages of Teksan Diesel Generator Sets

■ Tailormade Solutions

With its engineering infrastructure and vast experience, Teksan offers the most efficient diesel generators according to different needs.

■ 100% First Step Load*

Teksan generators take the entire "First Step Load" at once in case of power failure.

■ Perfect Durability

Teksan generators, which are perfectly painted in robotic paint shops, maintain their first-day appearance for years, thanks to salt test endurance of over 3000 hours.

■ Short Reaction Time

With R&D investments and product development studies, Teksan generators are activated as soon as possible in power outages and minimize the non-energy period.



60 Hz Product Range – Standby Stationary Diesel



Genset Model	HD Hyundai Infracore Engine	EPA	Alternator	Genset Standby Power - KW			
				480/277V	208/120V	240/120V	600/347V
					(WYE)	(DELTA)	(WYE)*
TJUD300H	DP126CAK	Tier 3	Leroy Somer	300	300	300	300
TJUD325H	DP126CAK	Tier 3	Leroy Somer	325	325	325	325
TJUD350H	DP126CBK	Tier 3	Leroy Somer	350	350	350	350
TJUD400H	DP126CCK	Tier 3	Leroy Somer	395	395	395	395
TJUD750H	DP222CAK	Tier 2	Leroy Somer	750	750	750	750
TJUD800H	DP222CBK	Tier 2	Leroy Somer	800	810	810	800
TJUD900H	DP222CCK	Tier 2	Leroy Somer	900	900	900	900

Genset Model	Baudouin Engine	EPA	Alternator	Genset Standby Power - KW			
				480/277V	208/120V	240/120V	600/347V
					(WYE)	(DELTA)	(WYE)*
TJUD800B	8M33G6D2/6^	Tier 2	Leroy Somer	820	800	800	820
TJUD900B	8M33G6D2/6^	Tier 2	Leroy Somer	860	860	860	860
TJUD1000B	12M33G8D2/6^	Tier 2	Leroy Somer	1000	1000	1000	1000
TJUD1250B	12M33G12D2/6^	Tier 2	Leroy Somer	1250	1250	1250	1250
TJUD1500B**	16M33G2D2/6^	Tier 2	Leroy Somer	1500	NA	NA	TBA
TJUD1750B**	16M33G4D2/6^	Tier 2	Leroy Somer	1750	NA	NA	TBA
TJUD2000B**	20M33G4D2/6^	Tier 2	Leroy Somer	2000	NA	NA	TBA
TJUD2500B**	12M55G5D2/6^	Tier 2	Leroy Somer	2500	NA	NA	TBA
TJUD2800B**	16M55G4D2/6^	Tier 2	Leroy Somer	2800	NA	NA	TBA
TJUD3000B**	16M55G6D2/6^	Tier 2	Leroy Somer	3000	NA	NA	TBA
TJUD3200B**	16M55G8D2/6^	Tier 2	Leroy Somer	3240	NA	NA	TBA
TJUD3300B**	16M55G8D2/6^	Tier 2	Leroy Somer	3300	NA	NA	TBA

Single phase units power ratings are given at pf 1.0
 * 600/347V WYE connection is available only special/ dedicated winding alternator.
 **Models are NOT UL2200 Certified. Certification study is under process, please contact with TEKSAN for detailed information.



* For products within specific models and power classes.

NATURAL GAS / LPG GENSETS

WE PROVIDE **TURN-KEY** POWER PACKAGES THAT ENSURE UNINTERRUPTED OPERATION OF YOUR PRODUCTION...

As Teksan, with our experience of more than 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 140 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.



SPECIAL INSULATION OPTIONS



60 Hz Product Range – Standby Gaseous



Genset Model	PSI Engine	Alternator	Genset Standby Power – NG / LPG (kW)				
			480/277V	208/120V	240/120V	600/347V	240/120V – 1Ph
			(WYE)	(WYE)	(DELTA)	(WYE)*	(1Ph-DD)
TJUG25PS	PSI 2.4L	Leroy Somer	25 / 25	25 / 25	25 / 25	25 / 25	24 / 24
TJUG40PS	PSI 4.3L	Leroy Somer	40 / 40	40 / 40	40 / 40	40 / 40	40 / 40
TJUG60PS	PSI 5.7L NA	Leroy Somer	60 / 60	60 / 60	60 / 60	60 / 60	60 / 60
TJUG80PS	PSI 5.7LT	Leroy Somer	80 / NA	80 / NA	80 / NA	80 / NA	80 / NA
TJUG100PS	PSI 5.7LT CAC	Leroy Somer	100 / 80	100 / 80	100 / 80	100 / 80	100 / 80
TJUG115PS	PSI 8.8LNA	Leroy Somer	100 / 115	100 / 115	100 / 115	100 / 115	100 / 115
TJUG125PS	PSI 8.8LT	Leroy Somer	125 / NA	125 / NA	125 / NA	125 / NA	125 / NA
TJUG150PS	PSI 8.8LT CAC	Leroy Somer	150 / 125	150 / 125	150 / 125	150 / 125	150 / 125
TJUG200PN	PSI 8.8LTCAC HO	Leroy Somer	200 / NA	200 / NA	200 / NA	200 / NA	200 / NA
TJUG200PS	PSI 10LT	Leroy Somer	200 / 140	200 / 140	200 / 140	200 / 140	200 / 140
TJUG200PD	PSI 11.1L	Leroy Somer	200 / 135	200 / 135	200 / 135	200 / 135	200 / 135
TJUG250PS	PSI 13L	Leroy Somer	250 / 150	250 / 150	250 / 150	250 / 150	230 / 150
TJUG275PD	PSI 14.6L	Leroy Somer	275 / 200	275 / 200	275 / 200	275 / 200	230 / 200
TJUG300PD	PSI 14.6L	Leroy Somer	300 / 200	300 / 200	300 / 200	300 / 200	
TJUG350PD	PSI 14.6LHO	Leroy Somer	350 / NA	350 / NA	350 / NA	350 / NA	
TJUG400PD	PSI 21.9L	Leroy Somer	400 / 300	400 / 300	400 / 300	400 / 300	
TJUG450PD	PSI 21.9L	Leroy Somer	450 / 300	450 / 300	450 / 300	450 / 300	
TJUG500PD	PSI 21.9LHO	Leroy Somer	500 / NA	500 / NA	500 / NA	500 / NA	
TJUG600PS**	PSI 32L	Leroy Somer	600 / 400	600 / 400	600 / 400	600 / 400	
TJUG650PS**	PSI 32L	Leroy Somer	650 / 425	650 / 425	650 / 425	650 / 425	
TJUG800PS**	PSI 40L	Leroy Somer	800 / 475	800 / 475	800 / 475	800 / 475	
TJUG1000PS**	PSI 52.8L	Leroy Somer	1000 / 700	1000 / 700	1000 / 700	930 / 700	
TJUG1050PS**	PSI 52.8L	Leroy Somer	1050 / 700	1050 / 700	1050 / 700	1050 / 700	

Single phase units power ratings are given at pf 1.0

* 600/347V WYE connection is available only special/dedicated winding alternator.

**Models are NOT UL2200 Certified. Certification study is under process, please contact with TEKSAN for detailed information.



AGRICULTURE GENSETS



SPECIAL INSULATION AND FILTER OPTIONS



WE POWER AGRICULTURE WITH EFFICIENT AND RELIABLE SOLUTIONS!



As Teksan, with our experience of more than a quarter century and strong engineering know how, we add strength and value to the agriculture sector with our diesel generator 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.



60 Hz Product Range – Standby Agriculture 1Phase 240/120V

Genset Model	Perkins Engine	EPA	Alternator	Genset Standby Power – kW (pf1.0)
				240/120V – 1Ph
TJAG55P	1104D-44TG1	Tier 3	Leroy Somer	55
TJAG65P	1104D-E44TG1	Tier 3	Leroy Somer	60
TJAG80P	1104D-E44TAG1	Tier 3	Leroy Somer	80
TJAG100P	1104D-E44TAG2	Tier 3	Leroy Somer	105
TJAG125P	1106D-E70TAG2	Tier 3	Leroy Somer	125
TJAG140P	1106D-E70TAG2	Tier 3	Leroy Somer	140
TJAG150P	1106D-E70TAG3	Tier 3	Leroy Somer	150
TJAG175P	1106D-E70TAG4	Tier 3	Leroy Somer	175
TJAG200P	1106D-E70TAG5	Tier 3	Leroy Somer	200
TJAG230P	1706D-E93TAG1	Tier 3	Leroy Somer	230

* Double Delta connection is available with only 12 leads alternator.



MOBILE GENSETS

WE KNOW THE CHALLENGES OF YOUR BUSINESS, AND WE DESIGN **TAILOR-MADE SOLUTIONS** THAT EXCEED YOUR EXPECTATIONS...



Thanks to our high performing and robust solutions that are specially designed for mining industry, not only on the surface but also under the ground we are always there for you. With Teksan's quality products that have low fuel consumption, high efficiency rates even under the most challenging conditions such as dust, vibration, high or low temperature, you will always be on the safe side.

While custom-made power solutions of Teksan decrease your OPEX with their low fuel consumptions, their robust structures minimize the risk of failure, their designs and state-of-the-art features provide easy maintenance. Not only with its reliable products but also with its comprehensive, fast technical and spare parts support, Teksan will deliver added value to your business.

Teksan not only manufactures mobile and stationary gensets with specially insulated canopies for the full protection against loud noise, fire as well as liquid contact, and can with optional features such as remote radiator, high capacity fuel tanks, remote monitoring system but also safe-guards your uninterrupted power through its strong after-sales services...



SPECIAL INSULATION AND FILTER OPTIONS



60 Hz Product Range – Mobile Diesel Multi-Voltage

Genset Model	Engine	Engine Model	EPA	Alternator	480/277V AC		208/120V-3PH		240/120V-1PH	
					STAND-BY kVA	PRIME kVA	STAND-BY kVA	PRIME kVA	STAND-BY kVA	PRIME kVA
TJT4F36DW	HD HYUNDAI INFRACORE	D18	TIER 4F	Leroy Somer	41	36	40	36	28	28
TJT4F49DW	HD HYUNDAI INFRACORE	D24	TIER 4F	Leroy Somer	54	49	54	49	39	37
TJT4F92DW	HD HYUNDAI INFRACORE	D34	TIER 4F	Leroy Somer	102	92	102	92	76	73
TJT4F66JD	JOHN DEERE	4045HFG04_68	TIER 4F	Leroy Somer	73	66	73	66	52	52
TJT4F78JD	JOHN DEERE	4045HFG04_80	TIER 4F	Leroy Somer	86	78	86	78	65	62
TJT4F97JD	JOHN DEERE	4045HFG04_99	TIER 4F	Leroy Somer	107	97	107	97	81	77
TJT4F128JD	JOHN DEERE	4045HFG06_128	TIER 4F	Leroy Somer	141	128	141	128	95	95
TJT4F196JD	JOHN DEERE	6068HFG05_192	TIER4F	Leroy Somer	216	196	216	196	164	149
TJT4F248JD	JOHN DEERE	6068HFG06_240	TIER4F	Leroy Somer	272	248	272	248	200	189
TJT4F325JD	JOHN DEERE	6090HFG06_326	TIER4F	Leroy Somer	358	325	358	325	231	231
TJT4F510JD	JOHN DEERE	6136CG440_505	TIER 4F	Leroy Somer	560	510	560	510	TBA	TBA
TJT4F625V	VOLVO	TWD1672GE	TIER4F	Leroy Somer	690	625	690	625	TBA	TBA
TJT4F700V	VOLVO	TWD1673GE	TIER4F	Leroy Somer	770	700	770	700	TBA	TBA

*Single phase units power ratings are given at pf 1.0
Please consult factory for standard accessories and additional options.



COGENERATION POWER PACKS



STRONG SOLUTIONS FOR FUTURE

TEKSAN, thanks to its solid experience and know-how, delivers high performing natural gas and biogas-based cogeneration-trigeneration solutions with energy efficiency up to 90%. You can get your investment back in a short period of 4-5 years.

Cogeneration is to obtain energy more than one form from fuel. In Cogeneration, the basic principle is to benefit accumulated heat in the system to provide saving by considering the electricity needs of the facilities. In cogeneration systems, at the result of energy local production energy productivity is increased by providing electricity and temperature needs. And consequently, emission levels are gotten under control and carbon footprint is decreased.

Moreover, decreasing energy costs increase the profitability of the plant and nowadays, an advantage in competitive conditions that become more difficult is provided.

According to electrical and thermal load trends, in applications the co-operation of multiple sets can be provided and cogeneration systems work under maximum load, energy production in the highest efficiency and lowest cost can be established.

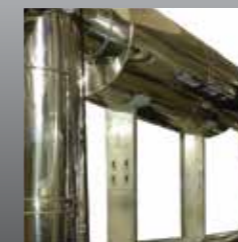


Advantages of Teksan Cogeneration Systems:

- Durable to work for many years, design that make it's dynamic and static analysis and calculations,
- High efficiency due to it's equipment designed specially for cogeneration system,
- Convenience in layout and maintenance course due to it's compact design,
- Investment return in short time thanks to feasibility calculations accurate analysis and suitable system design,
- Low maintenance costs,
- Ease of augmentation of system capacity upon demand and simultaneous operation with diesel generator sets,
- In Teksan cogeneration systems, heat can be offered to the client in various ways. Along with standard hot air outlet, project based superheated steam and hot oil, cold water can be distributed too, in such projects which need cooling, via absorption chillers. Along with these, in greenhouses and projects that are demanding CO₂ usage, exhaust emissions are also utilisable.



Turbo Charger



Manifold Heat Insulation



Temperature and Pressure Gauges



Jacket Heat Exchanger



Jacket Water Pump

TRIGENERATION POWER PACKS

Trigeneration is the process of procuring cooling in addition to the electrical and heat outlets of cogeneration systems. In trigeneration systems, hot water or exhaust, exhaust, that are gathered from the engine, are being used to obtain cold water via absorption chillers.

The trigeneration system is recommended in such implementations when the heat demand is used seasonally or in such implementations where cooling demand is higher than that of heating demand.

Sole or double effect absorption can be recommended depending on the cooling demand. In system absorption chillers provide cycle efficiency between 0,7 - 1,4 COP, depending on it's working principles.

In Teksan Trigeneration Systems, in addition to the cogeneration packs; absorption chiller, cooling tower and cooling pumps are also presented to the client.

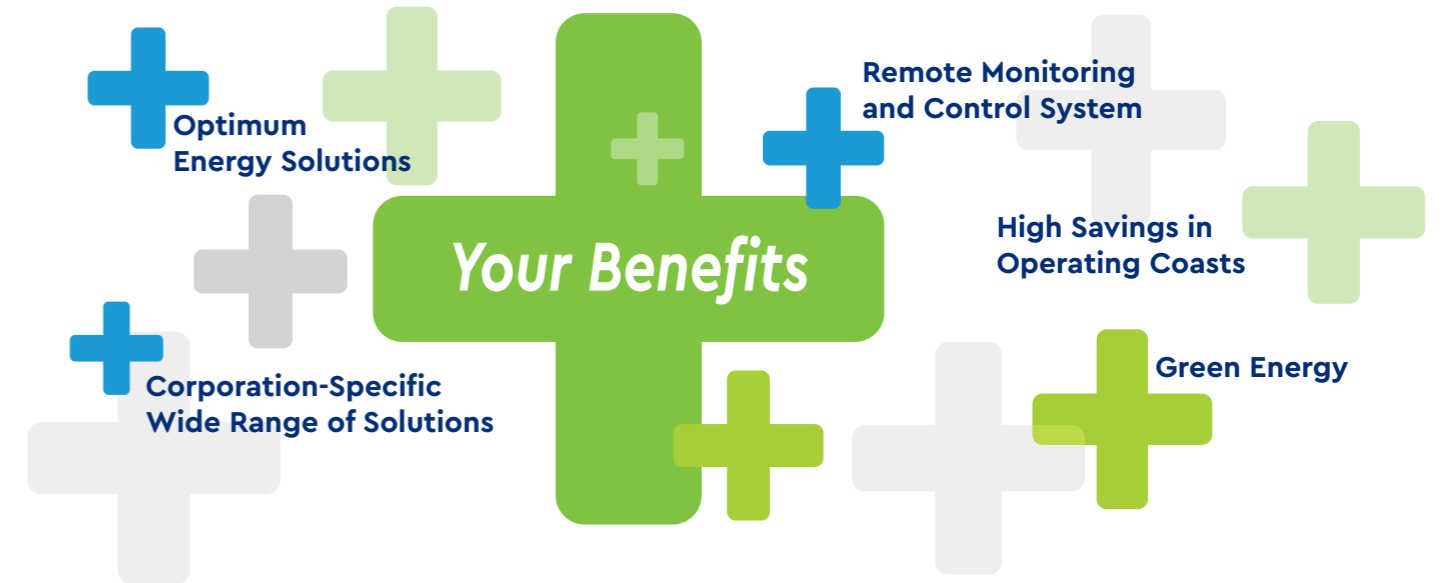
HYBRID GENERATORS

POWERED BY NATURE

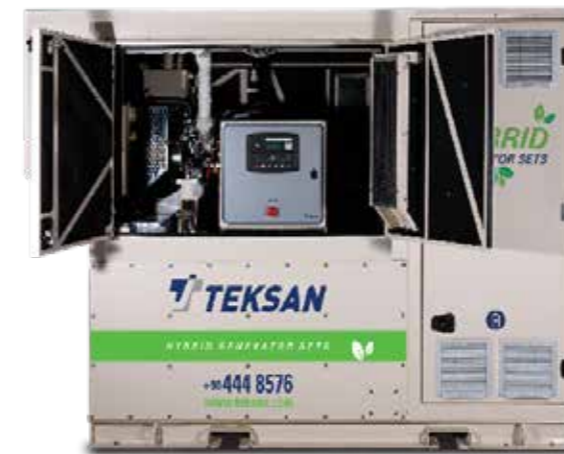
Teksan Hybrid Generator is a clean energy system powered by nature, which is easily configurable to meet requirements in a wide range of power.



- Remote Telecom Base Stations
- Oil Well-heads & Signalization Nodes
- Off-shore Platforms
- Remote Military Platforms
- Meteorological Measurement Stations
- Residential Areas without Electricity Grid Connection
- Outdoor Events & Camping



Why Choose Teksan Hybrid Generators



- **Reduced Maintenance Costs**
Our products continue to work up to 1000 hours without the need for maintenance and technical service.
- **Affordable Investment**
Investment payback period down to 2 years.
- **Reduction in OPEX**
With the contribution of renewable energy use, generator operating time has been reduced by 80%. With the use of variable speed engine and fuel optimization algorithm, 65% fuel savings are achieved.
- **Tailor-made Solutions**
We offer different solutions to customer demand.
- **Ultra Silent Canopy**
Decreased sound level from 65 dBA @1m is provided with custom design solutions.
- **Remote Monitoring**
With our remote monitoring feature, the number of site operations has been reduced. Service support at longer intervals and minimum number of technical staff.

CONTINUOUS SUPPORT



T

eksan provides technical support services to its customers through a widespread distribution network.

- Free place and power detection,
- Assembly-disassembly,
- Periodic maintenance,
- Alteration,
- Technical support and advice,
- General maintenance,
- Emergency calls,
- Revision,
- Commissioning,
- Reparation.

POWER AND PLACE DETECTION

One of the strongest sides of our Technical Service Team is to provide pre-exploration studies for determining energy needs, project designs, purchasing and engineering services including appropriate location selection for the generator sets.

PERIODIC MAINTENANCE

With the commissioning of generator sets, in the frame of 'General Maintenance Schedule' determined by manufacturer making the checks and maintenance of generator sets, need to change consumables. It is proportional to the run time of the generator with the obligation to make periodic maintenance.

WHY DO YOU NEED 'PERIODIC MAINTENANCE' CONTRACT?

- Generator sets work long lasting and efficiently,
- The financial and time losses sourced from the company or from the generator set are prevented,
- That provides advantage in planning of spare parts,
- Fast and prime services are offered,
- User-source errors are minimized.



WE ARE AT YOUR SERVICE



GUARANTEE

Teksan products are guaranteed for 30 months after the shipment and 2 years or 1000 hours of operation whichever comes first after the first start up against installation and manufacturing defects. Certificate Of Warranty is delivered with generator sets and guarantee process is initiated. Product informations and serial numbers are found in the generator identification label that is on the generator sets.

SPARE PARTS

For providing better service of generator sets, original spare parts, that are recommended by 'Technical Services Team', should be used. Teksan is providing the best service for meeting needs with sufficient stock level for spare parts.

TRAINING

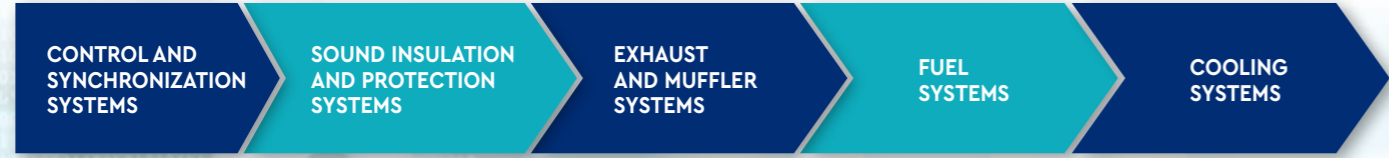
Teksan Service Center is offering technical training support to all companies within Teksan Academy. Teksan can organize and conduct the essential trainings upon the request of the partner company with "beginner" or "advanced" content in accordance with the profile of the participants.



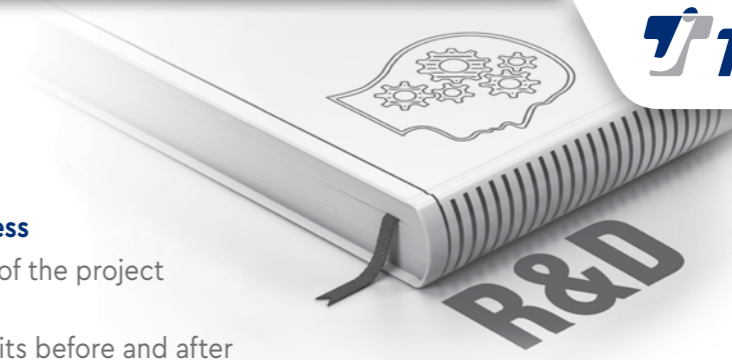
INFINITE POWER SUPPLY TO ENTERPRISES

POWERFUL TEAM THAT CARRIES OUT SUCCESSFUL PROJECTS!

R&D and Project departments of Teksan are moving together for producing optimal solutions that meet your wishes and needs. They are taking unique results from projects that they developed special for you.



Teksan, which has accumulated extensive knowledge and experienced expert engineer staff, has succeeded in system integration projects with different specifications and has reached the preferred brand in the international arena in special projects.

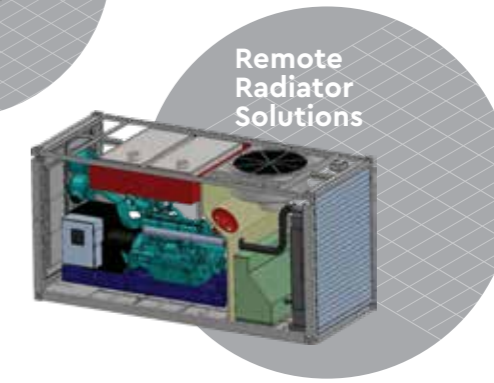
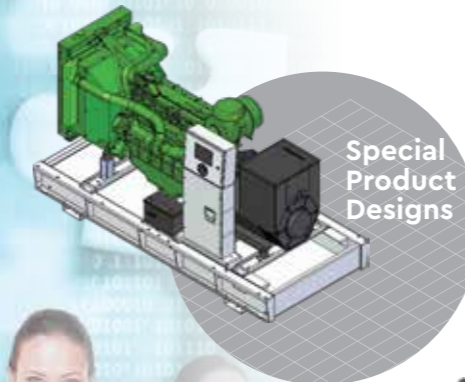


Our Project Development Process

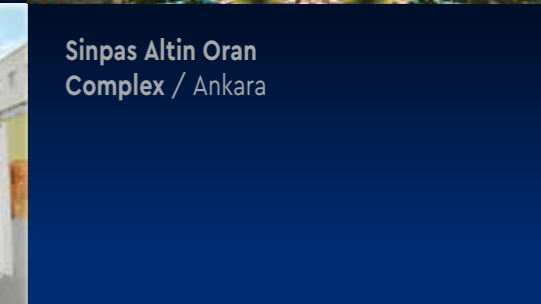
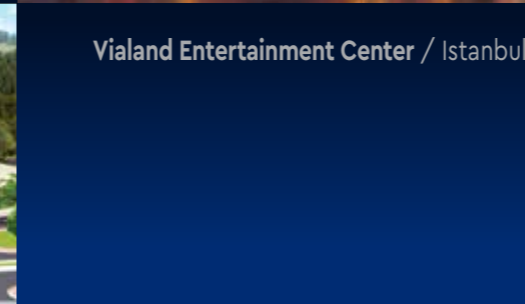
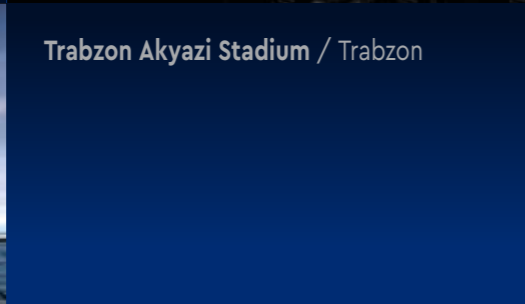
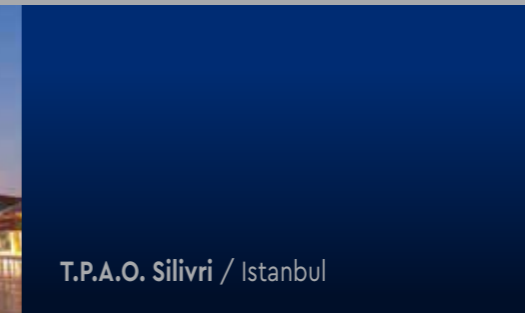
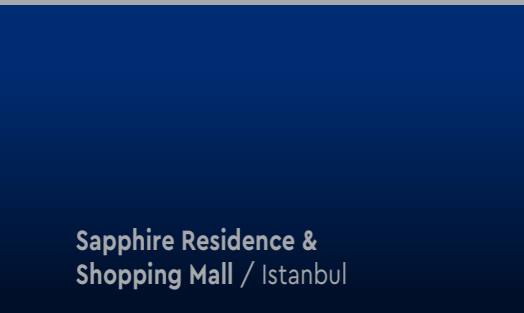
- Making the technical analysis of the project specifications,
- Making field and customer visits before and after sales for offering best solution to customer,
- Designing generator sets appropriate with technical parameters as voltage, frequency, altitude, temperature,
- Choosing special equipment for special projects,
- Carrying out of production appropriate with predetermined specification standart and schedule,
- Giving the required education to sales teams, distributors and end users for projects.

Special Practices

- Product designs at size, power and noise levels that can depend on customer demands,
- Special fuel tank productions,
- Remote radiator practices,
- Special mobile generator sets,
- Seismic solutions,
- Special paint applications.



POWERFUL SOLUTIONS FOR DIFFERENT SECTORS



2 × 2100 kVA
Auto Diesel Generator Sets
2 × 1425 kVA
Synchronized Diesel Generator Sets

1 × 1900 kVA Auto Diesel Generator Set
1 × 2065 kVA Auto Diesel Generator Set
1 × 2200 kVA Auto Diesel Generator Set

6 × 721 kVA
Synchronized Diesel Generator Sets

17 × 1130 kVA
Synchronized Diesel Generator Sets

1000 kW
Natural Gas Generator Set

12 × 500 kVA
Synchronized Diesel Generator Sets
4 × 657 kVA
Synchronized Diesel Generator Sets

**Symbol Kocaeli Shopping Mall
Residence-Hospital / Izmit**

2 × 1900 kVA Synchronized Diesel Generator Sets
2 × 1400 kVA Synchronized Diesel Generator Sets
2 × 676 kVA Synchronized Diesel Generator Sets
1 × 821 kVA Auto Diesel Generator Set
2 × 821 kVA Synchronized Diesel Generator Sets
3 × 676 kVA Auto Diesel Generator Sets

Kepez State Hospital / Antalya

4 × 1650 kVA
Synchronized Diesel Generator Sets
2 × 400 kW Trigeration System

Hatay State Hospital / Hatay

5 × 1900 kVA
Synchronized Diesel Generator Sets

**Sutas Dairy Products Manufacturing
Plant / Bursa**

9 × 45 – 1130 kVA
Synchronized Diesel Generator Sets

Viaport Venezia / Istanbul

7 × 750 kVA Auto Diesel Generator Sets
10 × 560 kVA Synchronized Diesel Generator Sets
8 × 750 kVA Synchronized Diesel Generator Sets

Istanbul Aquarium / Istanbul

1 × 1500 kVA Diesel Generator Set
1 × 1900 kVA Diesel Generator Set

Dogus Oto Kartal / Istanbul

4 × 552 kVA
Synchronized Diesel Generator Sets

Kar Maslak Offices / Istanbul

2 × 1600 kVA
Synchronized Diesel Generator Sets

Pendik Varyap Plaza / Istanbul

3 × 1100 kVA
Synchronized Diesel Generator Sets

Varyap Meridian Residence / Istanbul

8 × 660 kVA Synchronized Diesel Generator Sets
8 × 750 kVA Synchronized Diesel Generator Sets
2 × 880 kVA Synchronized Diesel Generator Sets
1 × 825 kVA Synchronized Diesel Generator Sets

Tasyapi Fourwinds Residence / Istanbul

6 × 1000 kVA
Synchronized Diesel Generator Sets

Anadolu Glass / Mersin

2 × 2280 kVA
Auto Diesel Generator Set

T.I.G.E.M. / Eskisehir

255 kWe
Biogas Cogeneration System

ACITY Shopping Mall / Ankara

4 × 500 kW
Synchronized Natural Gas Trigeration Sets

Sinan Erdem Sports Center / Istanbul

3 × 1900 kVA
Synchronized Diesel Generator Sets

Maiden's Tower / Istanbul

1 × 150 kVA Diesel Generator Set

**Carrefoursa Maltepe Park
Shopping Mall / Istanbul**

2 × 1130 kVA Synchronized Diesel Generator Sets
2 × 905 kVA Synchronized Diesel Generator Sets

Santa Farma Production Plant / Istanbul

3 × 2500 kVA
Synchronized Diesel Generator Sets

Anadolu Glass / Eskisehir

1 × 2065 kVA
Synchronized Diesel Generator Set

Ankara Arena Sports Center / Ankara

2 × 1650 kVA
Synchronized Diesel Generator Sets

Bostanci Dedeman Hotel / Istanbul

4 × 1130 kVA
Synchronized Diesel Generator Sets

Hilton Kozyatagi / Istanbul

4 × 774 kVA
Synchronized Diesel Generator Sets

Igdir Hospital / Igdir

2 × 1000 kVA Synchronized Diesel Generator Sets
3 × 819 kVA Synchronized Diesel Generator Sets

Erzurum Airport / Erzurum

2 × 1125 kVA
Synchronized Diesel Generator Sets

The Avenue Bodrum Shopping Mall / Bodrum

2 × 774 kVA
Synchronized Diesel Generator Sets

Brandium Shopping Mall / Istanbul

22 × 774 kVA, 4 × 660 kVA
Synchronized Diesel Generator Sets

Armada Shopping Mall / Ankara

4 × 740 kVA Synchronized Diesel Generator Sets

Edirne State Hospital / Edirne

2 × 430 kW
Trigeration System

Sivas State Hospital / Sivas

5 × 1650 kVA
Synchronized Diesel Generator Sets

Malatya State Hospital / Malatya

4 × 1900 kVA
Synchronized Diesel Generator Sets

Van Gynaecology Hospital / Van

2 × 880 kW
Cogeneration System

WOW Convention Center / Istanbul

2 × 560 kVA
Synchronized Diesel Generator Sets

Izmir Technopark / Izmir

1 × 1650 kVA Diesel Generator Set
1 × 1130 kVA Diesel Generator Set
1 × 825 kVA Diesel Generator Set

**The Bodrum Museum of Underwater
Archaeology / Bodrum**

1 × 405 kVA Diesel Generator Set

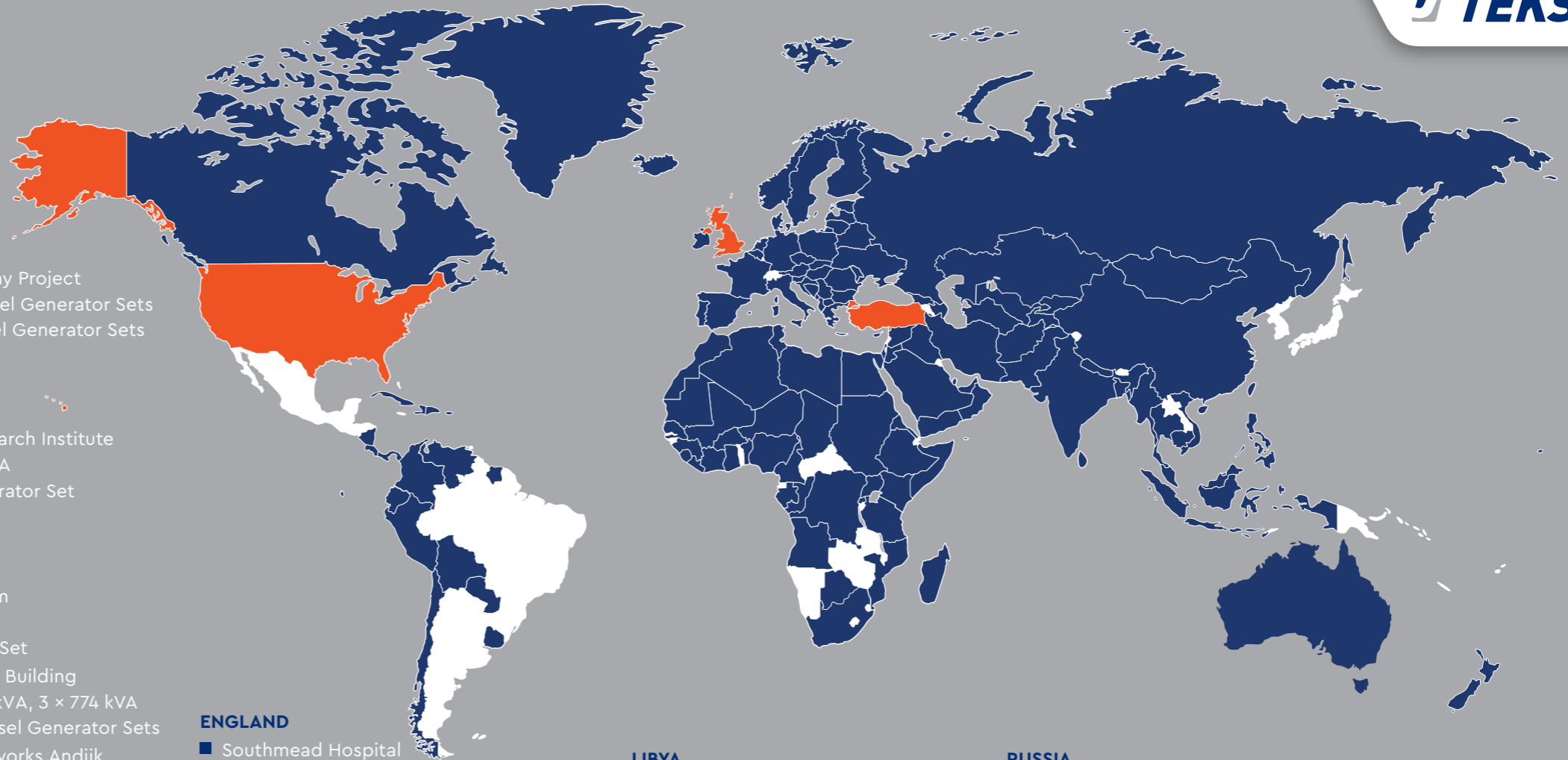
**Tarabya Presidential Campus
(Huber Villa) / Istanbul**

2 × 500 kVA
Synchronized Diesel Generator Sets

Topkapi Palace / Istanbul

1 × 424 kVA
Diesel Generator Set

IN MORE THAN 140 COUNTRIES...



TURKMENISTAN

- New Ashgabat International Airport
36 Units of Standby and Synchronized Diesel GenSets Ranging from 145 kVA to 1900 kVA

GERMANY

- EMBL Heidelberg Biological Research Institute
Standby 1000 kVA Diesel Generator Set Synchronized with the Main Grid

BELARUS

- Prostore Shopping Mall
Standby 1010 kVA & 680 kVA Auto Diesel Generator Sets Container Type Canopy

BOLIVIA

- Aguai Sugarworks Production Plant
Standby 3 × 1400 kVA Synchronized Diesel Generator Sets

BOTSWANA

- Botswana Telecom
Standby 30 × 22-90 kVA Auto Diesel Generator Sets

BULGARIA

- Thermal Power Plant
Standby 2 × 1130 kVA Diesel Generator Sets 20 ft Container Canopy (Silent)

GEORGIA

- Pro Credit Bank
Standby 2 × 774 kVA Synchronized Diesel Generator Sets

GREECE

- Siemens Motorway Project
2 × 1900 kVA Diesel Generator Sets
2 × 660 kVA Diesel Generator Sets

GREENLAND

- Zackenberg Research Institute
Standby 1 × 27 kVA Auto Diesel Generator Set 0°C Cold Start

HOLLAND

- Vodafone Arnheim
Standby 1010 kVA Diesel Generator Set
- Duo2 Consortium Building
Standby 2 × 905 kVA, 3 × 774 kVA Synchronized Diesel Generator Sets
- Provincial Waterworks Andjik
Standby 4 × 2200 kVA Synchronized Diesel Generator Sets

NETHERLAND ANTILLES

- Lions Dive & Beach Resort Curacao
Standby 560 kVA Diesel Generator Sets

IRAQ

- Basra Oil Reservoir
Prime 9 × 2500 kVA Synchronized Diesel Generator Sets
- Sulaymaniyah Hospital
Standby 3 × 1650 kVA Synchronized Diesel Generator Sets
- Najaf Al-Furat & Almanathire Hospitals
Standby 4 × 2280 kVA, 2 × 1400 kVA Synchronized Diesel Generator Sets
- Erbil Italian Village
Standby 3 × 1135 kVA Synchronized Diesel Generator Sets

ENGLAND

- Southmead Hospital
Standby 2 × 1035 kVA Integrated with Building Management Systems Silent Canopy

KAZAKHSTAN

- Dostyk Plaza
Standby 2 × 2025 kVA Auto Diesel Generator Sets Container Type Canopy

QATAR

- Samko Engineering Doha
Standby 3 × 1000 kVA Diesel Generator Sets

KENYA

- Safari Hotel
Standby 2 × 400 kVA Diesel Generator Sets Cogeneration: Prime 4 × 275 kVA Diesel Generator Sets

LIBYA

- Artificial River Projects
Standby 2 × 275 kVA Diesel Generator Sets

EGYPT

- Savola Desert Irrigation Project
Standby 77 × 330 kVA No exhalation even in the hottest climate special filtration against sand storms Diesel Generator Sets

NEPAL

- Fort Resort Hotel
1 × 180 kVA Altitude of 2.200 meters Diesel Generator Set

ROMANIA

- Tower Business Center
Standby 400 kVA and 1125 kVA Remote Radiator Diesel Generator Set

RUSSIA

- AURA Shopping Mall-Plaza
1500 kVA Diesel Generator Set

RWANDA

- Serena Hotel
3 × 700 kVA Synchronized Diesel Generator Sets

SUDAN

- Ferronile Steel Factory
Standby 3 × 2120 kVA, 2 × 1915 kVA Synchronized Diesel Generator Sets

SAUDI ARABIA

- Rejal Alma Sewage Treatment Plant
Standby 1400 kVA ISO Type / Canopied Diesel Generator Sets
- Mövenpick Hotel Jeddah
Standby 1 × 1400 kVA Synchronized Diesel Generator Sets

TANZANIA

- Vodafone
Standby 2 × 1130 kVA Diesel Generator Sets 30 ft Container Type Canopy

THAILAND

- CCZ Hospital
Standby 1900 kVA Auto Diesel Generator Sets

UKRAINE

- Ukgazbank
Standby 520 kVA Diesel Generator Sets

NEW ZEALAND

- Standby 1010 kVA Diesel Generator Set parallel with the main grid 30 ft Container



THE HOTTEST...

Savola Desert Irrigation Project / Egypt
No overheating even in the hottest climate
Diesel Generator Sets



THE COLDEST...

Zackenberg Research Institute / Greenland
0°C cold start
Auto Diesel Generator Set



THE HIGHEST...

Fort Resort Hotel / Nepal
Operating at higher altitude (2200 + meters)
Diesel Generator Set

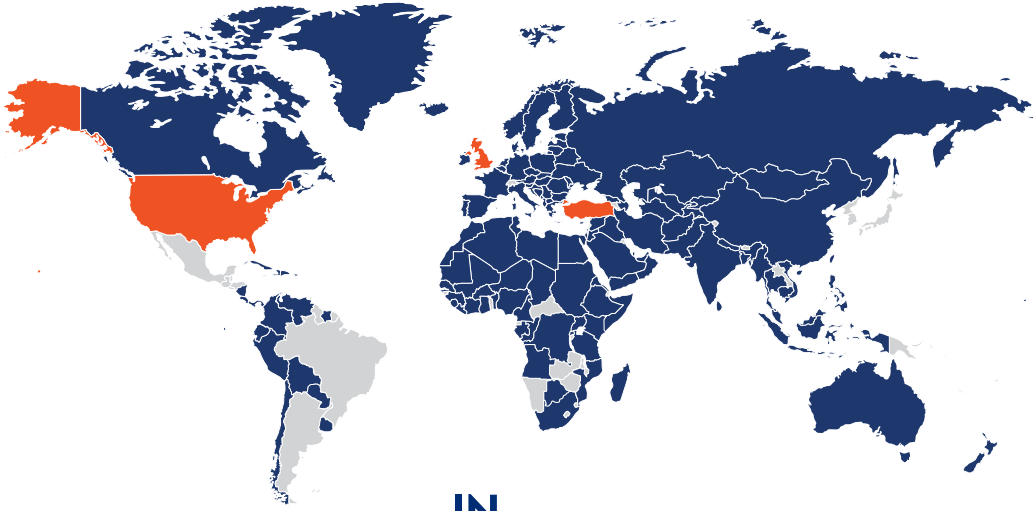


THE DAMPEST...

O2 Tidal Power Plant Scotland
Operating in the dampest area
Diesel Generator Set



**WE ARE YOUR
EVERLASTING
COMPANY**



IN
140+
COUNTRIES

TURKEY HEADQUARTER



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