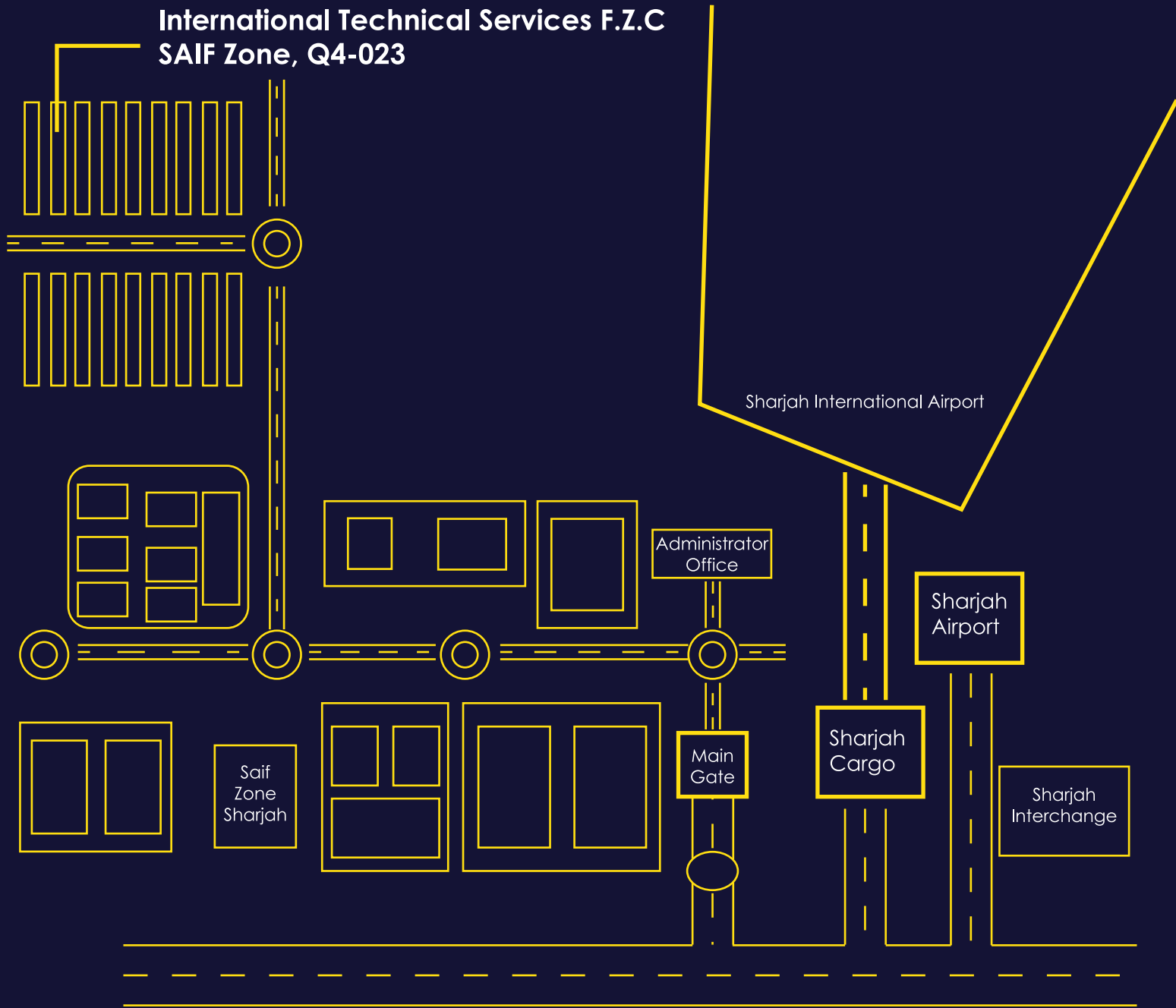


**International Technical Services F.Z.C**  
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# International Technical Trading Services F.Z.C



## Power Solutions

The Ultimate Energy and Distribution Panel



Certificate No. A1S-AE130707Q

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# About us

International Technical Trading Services is offering complete lifecycle power solutions for energy markets by emphasizing technological innovation and total efficiency. ITTS maximizes the environmental and economical performance of the power plants of its customers.

ITTS supplier of flexible power Generator Sets for the decentralized power generation market. We offer solutions for base load power generation, grid stability and peaking, industrial selfgeneration as for the oil and gas industry. Technology leadership, strong and a broad product portfolio, high efficiency and fuel flexibility is the perfect description of ITTS company.

ITTS supports its customers throughout the lifecycle of their installations by optimizing efficiency and performance. We provide the broadest portfolio and the best services in the industry for power plants. We expertise proximity and responsiveness for all customers regardless of their equipment making it in the most environmentally sound way.

## Mission & Vision

We provide lifecycle power solutions to fulfill the requirements of our customers when it comes to power generation and power solutions while creating better technologies that benefit both the customer and the environment.

We will be the most valued business partner for all our customers for supplying and after sale services 24 hours a day, 7 days a week.

# Our Products



## Generator sets Sound Proof



 **Perkins®**

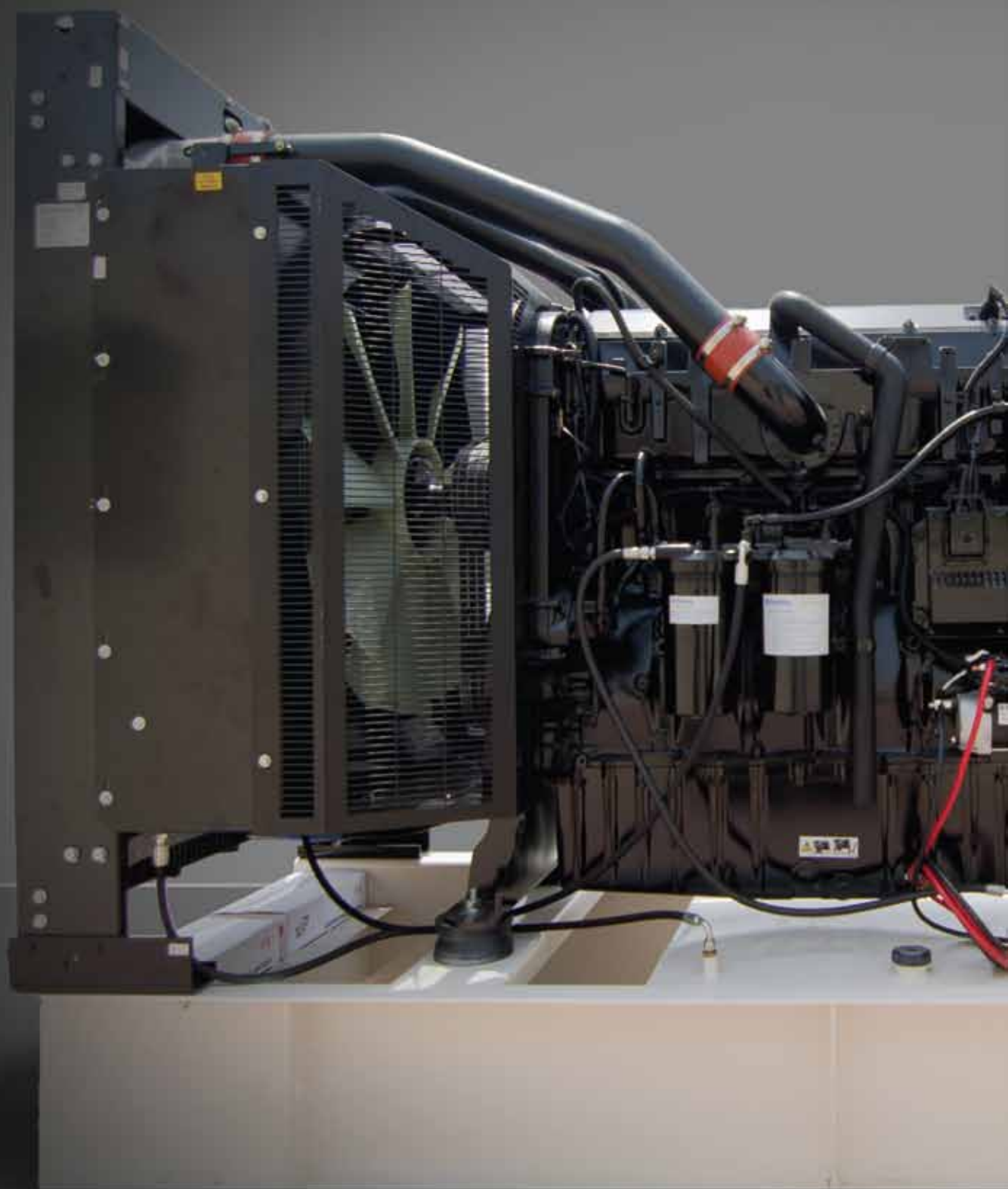
 **LEROY  
SOMER®**

**STAMFORD**  
**power generation**

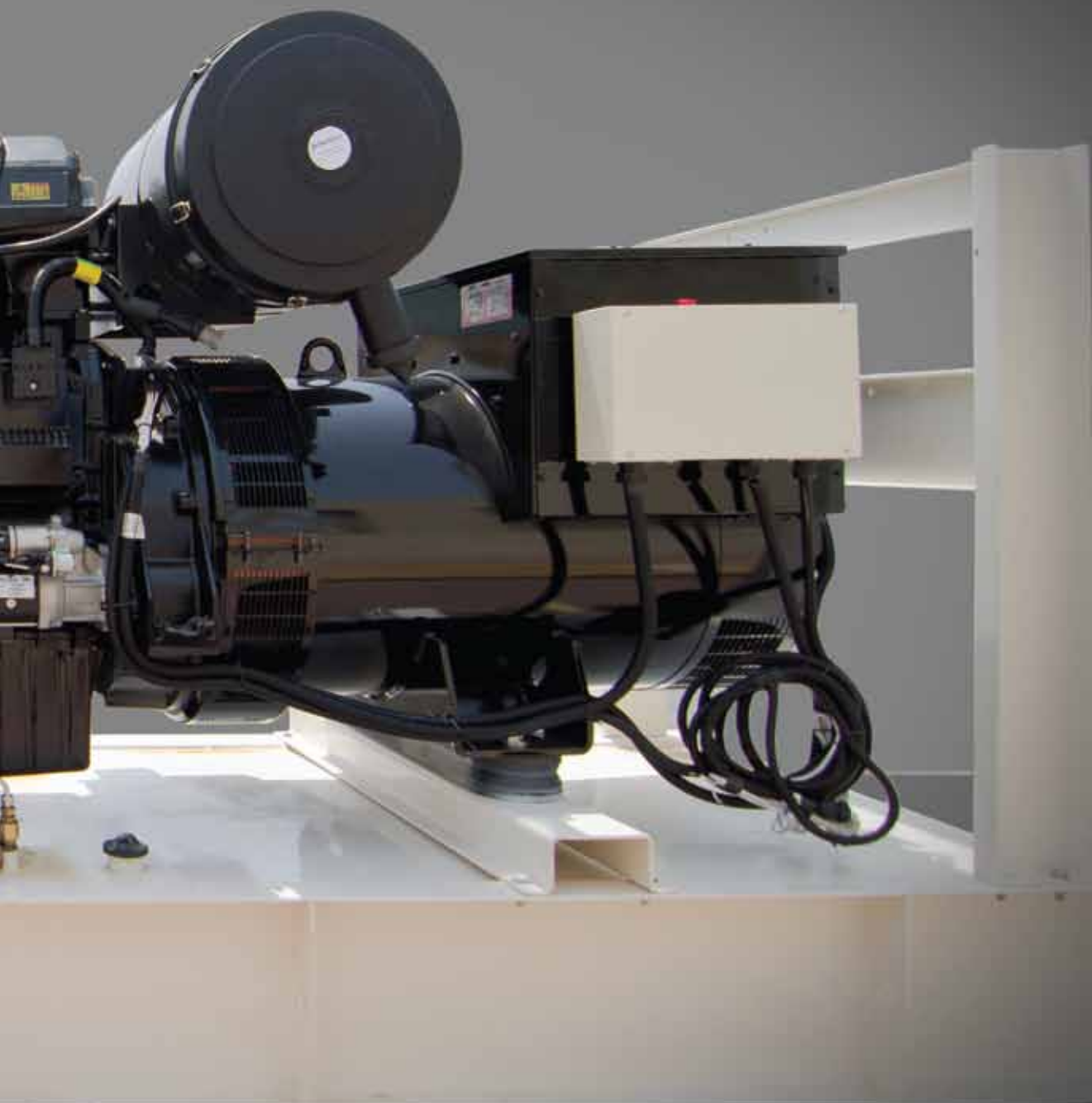
ITTS main product is the diesel generator set with power ratings from 9KVA to 2.000 KVA. The variety of generator sets assembled by ITTS is as diverse as the customer's special needs. We can "tailor-make" the generator set to be stationary or mobile, for residential (soundproof to 720DBA), industrial (waterproof) commercial applications.

ITTS generator sets are powered by the most reliable and well known engine manufactures. We collaborate with the most powerful and trusted engines, to provide a highly economic durability. ITTS can also provide different brands of engine base on customers' requirements.





The Ultimate Energy



& Distribution Panel



# Genset Specification

Rating	Engine (Perkins)	Cylinder Config.	Alternator Model (LeroySomer)	Alternator Model (Stamford)	weight (kg)	Dimension (mm) LxWxH	Fuel Consm (l/hr)		Fuel Tank (Ltrs)
							Prime	Stand By	
9KVA	403A-11G1	3 In Line	LSA 40VS2	PI 044E	314	1320×552×1258	2.6	2.9	45
13KVA	403A-15G1	3 In Line	LSA 40VS2	BCI164C	396	1320×552×1258	3.7	4.1	45
20KVA	404A-22G1	4 In Line	LSA42.2L9	BCI184E	496	1320×552×1258	5.4	6.2	45
27KVA	404D-22TG	3 In Line	LSA43.2S25	PI 144F	790	1770×714×1368	6.2	6.9	144
30KVA	1103A-33G	3 In Line	LSA43.2M45	PI 144G	780	1770×714×1368	7.1	7.9	144
45KVA	1103A-33TG1	3 In Line	LSA43.2L8	UC224D	874	2150×752×1366	10.6	11.9	175
60KVA	1103A-33TG2	3 In Line	LSA44.2S75	UC224E	944	2150×752×1366	13.8	15.1	175
80KVA	1104A-44TG2	4 In Line	LSA46.2L6	UCI 224F	1061	2150×752×1366	18.0	19.9	175
100KVA	1104C-44TAG2	4 In Line	LSA47.2S4	UCI274C	1167	2370×735×1381	21.9	24.1	227
135KVA	1106A-70TG1	6 In Line	LSA47.2M7	UCI274E	1460	2675×900×1460	31.2	34.4	290
150KVA	1106A-70TAG2	6 In Line	LSA47.2M7	UCI 274F	1515	2675×900×1564	31.3	33.5	300
180KVA	1106A-70TAG3	6 In Line	LSA47.2L9	UCI274G	2015	2953×1003×1717	42.0	46.2	350
200KVA	1106A-70TAG4	6 In Line	LSA49.1S4	UCI 274G	2015	2953×1003×1717	45.2	49.1	350
250KVA	1306A-E87TAG6	6 In Line	LSA49.1L11	UCD 274K	2215	2960×1003×1718	58.9	63.3	350
350KVA	2206A-E13TAG2	6 In Line	LSA50.2L8	HCI 444E	3316	3601×1110×2070	69.4	81.2	791
400KVA	2206A-E13TAG3	6 In Line	LSA47.2 S4	HCI 444F	3453	3601×1110×2070	79.2	87.9	791
455KVA	2506A-E15TAG1	6 In Line	LSA47.2 S5	HCI 544C	3793	3700×1110×2143	88.8	98.6	928
500KVA	2506A-E15TAG2	6 In Line	LSA47.2 M8	HCI 544D	3920	3700×1110×2143	97.2	106.8	928
600KVA	2806A-E18TAG1A	6 In Line	LSA49.1 S4	HCI 544E	4655	4111×1532×2246	110.8	122.5	1000
650KVA	2806A-E18TAG2	6 In Line	LSA49.1M6	HC544F	4800	4111×1532×2246	125.6	140.0	1000
750KVA	4006-23TAG2A	6 In Line	LSA49.1M75	LVI 634B	6059	4280×1912×2277	149.8	163.4	1494
800KVA	4006C-E23TAG3A	6 In Line	LSA49.1L11	LVI 634C	6259	4280×1912×2277	163.0	183.5	1494
1000KVA	4008 TAG2A	8 In Line	LSA50.2 S4	LVI 634E	7334	4790×2036×2235	215.4	241.5	-
1250KVA	4012-46 TWG2A	12V	LSA50.2M6	LVI 634G	9059	4820×1895×2424	257.1	283.8	-
1500KVA	4012-46 TAG2A	12V	LSA50.2L8	PI 734C	9720	5095×1900×2435	296.6	326.3	-
2000KVA	4016TAG2A	16V	LSA51.2M60	PI 734F	15500	5725×2300×3020	423.5	474.1	-





# Steel Works and Fabrication

**Generator canopy** is Low Noise (68 to 80,1 DBA) at 1 meter. There is sufficient air for engine aspiration and proper heat dissipation as the fans maintain proper cross flow. We have specially designed residential silencer which maintain low noise level. Acoustic rooms are well finished and proper design. Enclosures are vibration free because of providing anti-vibration mounting as well as flexible below. Enclosures have the provision for proper cooling system. Our enclosure is friendly designed. Easy maintenance door provided at all sides. Easy monitoring – inspection window is provided, easy handling and easy transportation.



### **Base frame:**

Generating sets are installed on base frames that are manufactured according to the size and dimensions of the engine and alternator. We offer our costumers a wide range of precision base frame for diesel generator sets that is known for their flawless performance and efficiency, simple configuration and easy installation features.



### **Fuel Tank:**

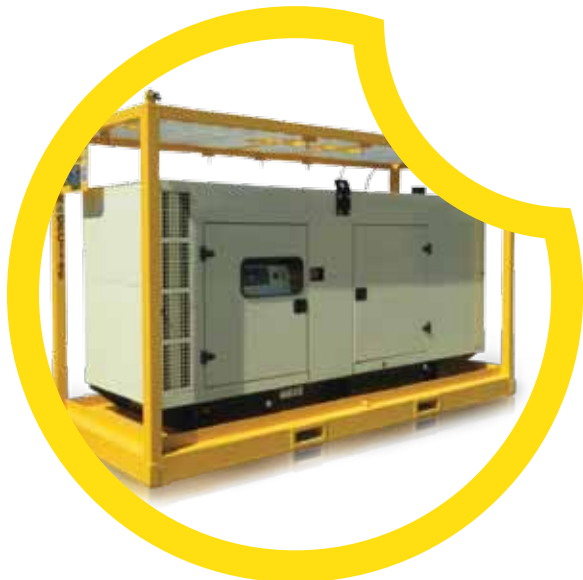
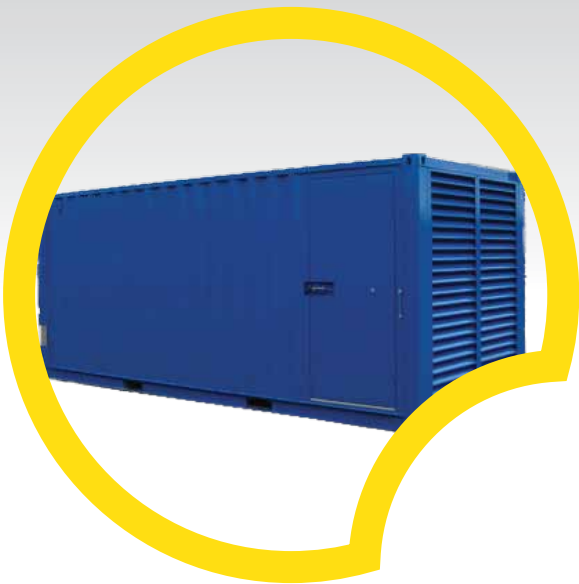
When the power goes, everything goes – refrigerator, lights, electric motors – everything. When operations stop as well. Of course, the loss of power is large setback to and facility, compromising profits, productivity and safety. To make sure that blackouts do not result in problems for companies and their manufacturing, ware housing or other facilities. Different volume and outage concern call for different storage tank solutions. Not all companies will need a 20,000 gal. Storage tank, conversely, a 1000 gals, storage tank will not work for a large company. Things to consider of course, number and duration of blackouts, facilities size, delivery per unit costs.

### **Container:**

The container diesel generator can be opened from two sides. It has special design on fuel tank. Fuel supply pipes, oil drain and muffler, etc. Uses high performance soundproof of material which is flameproof and durable and offers good performance no noise reduction.

### **Trolley:**

These trolley mounted generator set are made from high quality of raw material which ensure durability at its end user. These are appreciated by large number of our clients. These products are available in our workshop at economical rates.





# Mobile Generator



## Your power on move

ITTS has a wide range of Mobile Diesel Generators. We can supply all your specific requirements. Trailer or other types, with canopy for weather protection, sound proof & water proof and tailor made to suit customers specific needs. We can supply movers, if proven records in the UAE.





# Light Tower



ITTS model LT4000 L light tower provides mobile trailer mounted flood lighting for nighttime maintenance, construction, mining and emergency work. It consists of a trailer with diesel powered 5KW generator and a 30 foot cable actuated tower with four 100 watt flood light fixtures. It is ideally suited for heavy duty use and is built to meet the following specifications.

Your power on move: ITTS has a wide range of Mobile Diesel Generators. We can supply all your specific requirements. Trailer or other types with canopy for weather protection, sound proof and water proof and tailor made to suit customers specific needs. We can supply movers if proven records in the UAE.





# AUTOMATIC & MANUAL TRANSFER SWITCH

Transfer Switches can be manual or automatic and switch between multiple power sources. ITTS can assemble all kinds of transfer switches base on the needs of the user or the requirements on the project.

MTS-designed to transfer electricity supply from once source to another, during the emergency or when the electric supply comes low. It would break the initial before making the new connection by physically/manually switching it.

For emergency power buildings an Automatic Transfer Switch (ATS) is essential. The ATS can automatically transfer load from main power to emergency power without operation intervention. When the main power fall or the voltage drop below 80% of normal voltage, the ATS will start emergency generator after a present time of 0 to 10 seconds (adjustable). At rated speed, the ATS will transfer load to emergency power with available size ranging from 16A to 3200A. There is a switch suitable for every projects need.

## Features

Mechanically held contactor & Breaker

Optionally 4 or 3 pole.

Rating range from 16 to 3200A





# DISTRIBUTION PANEL (DB) & (MDB) FEEDER PILLAR PANEL CONTROL PANEL AND GSM MODULE

Manufactured in compliance with BSEN/IEC 60439-1 International Standards.

Our busbar systems are full type-tested in accordance with IEC-60439-1

Construction: Form 1-4

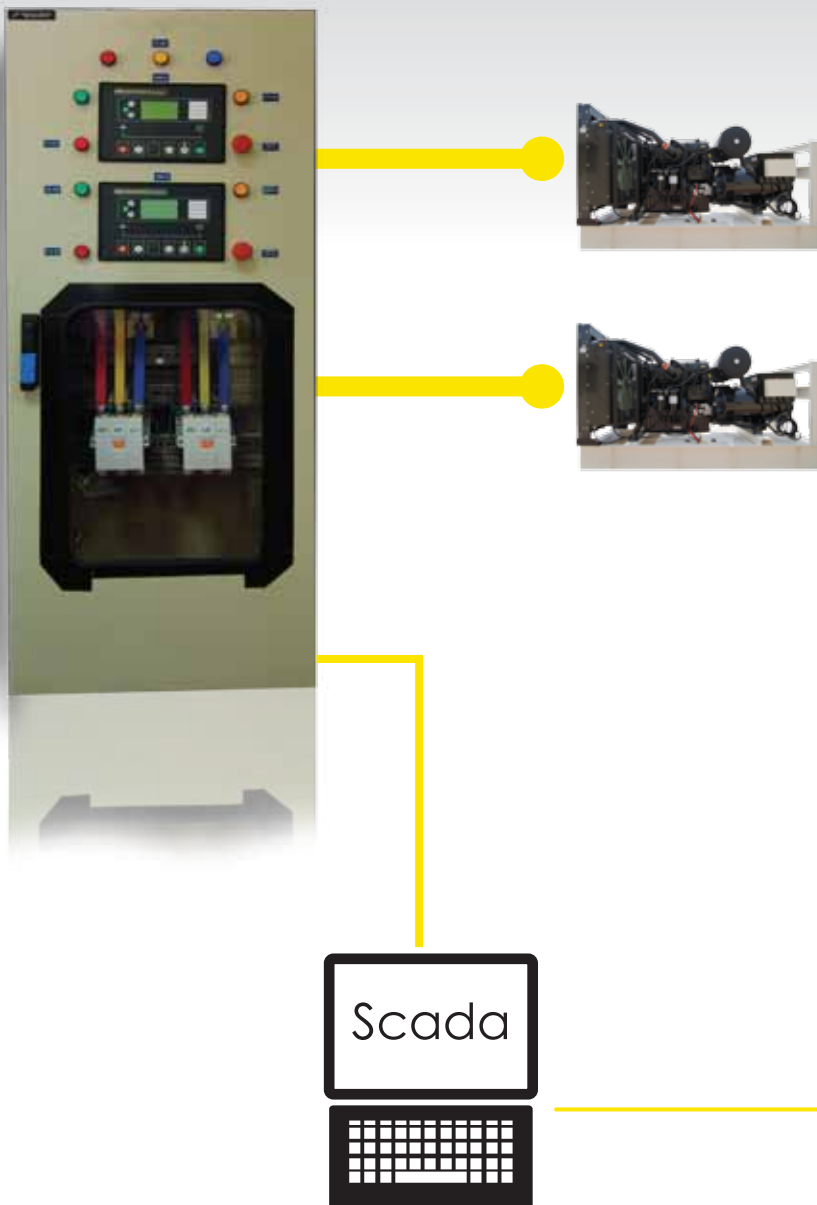
Protection Class: IP22/54 standard to IEC259

Busbar systems used are of hard drawn, High conductivity (HDHC) copper imported from Europe



# Synchronized System and Load Management -PLC Module

For Fuel Savings Synchronization panels are mainly designed and used to meet power system requirements. These panels provide manual as well as automatic synchronizing function for one or more generator breakers. They are widely used in synchronizing generators and offering multiplexing solutions.



## How it works?

- A generator control unit: this unit automatically matches the generator frequency and voltage levels with that of the bus, optionally 4 or 3 pole.
- A synchro-check relay: performs the progressive functions of verifying voltage and phase angle conditions and ensuring that they are within preset limits, before allowing the breaker to close. The device is provided with control switches in the front panel. These switches are responsible for manual raising and lowering of the speed and voltage of the generator to match the bus frequency and voltage before synchronizing. Voltmeters and digital meters are also installed to offer generator and bus measurements.

## Rent a Generator & Generator Maintenance

Rent services basically come out with contract. Our offer may vary on different criteria. More certainly, the rental fees depend on the engine size, location and period of leasing



We have our well trained mechanical and electrical team to support and bring up their duty 24/7

# Related Products



## Spare Parts

We are customer friendly, that's why we offer, our clients, all spare parts that are related in all our scope of work.



Water pump  
Fuel pump  
Fuel injector  
Overhauling Kit  
Filters  
Others...

Machine Parts

Electrical Parts



Circuit Breaker  
Contractor  
DSE Controller  
AVR  
Dynamo Charger  
Self Starter  
Emergency stop button  
others...



# Team

