

3Tech Corporate Limited in the past 8 years has provided more than 8,000 units of diesel generator sets to more than 30 countries in Asia and Africa. We have built up a worldwide service network. Our key customers include Huawei Technologies, ZTE and Alcatel. As for GSM service providers, we have a close working relationship with MTN, Etisalat, TIGO, Ufone, Pak-Tel, Warid, Zantel, Celtel and Hits.





5~2,200 kVA range of Diesel Generating Sets



Our extensive inventory combined with our engineering resources gives us the ability to react fast to your requirements

5~50kVA silent standby genset in 4 weeks
2000kVA containerised genset in 10 Weeks (from date of order)

1000 Hours Maintenance-Free Solutions For Diesel Generator Set

For applications requiring 24 hour continuous running, the maintenance cost of the diesel genset is the most important factor in the overall operation cost. In general, all gensets need routine maintenance services for every 250 running hours. The maintenance includes the replacement of filters and the lubrication oil. Not only are the replacement parts costly, but also labor and transportation costs are very high for each service.

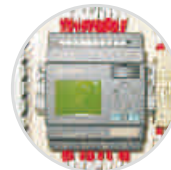
3Tech has designed a 1,000 running hour, maintenance-free solution for such applications. Not only to improve the stability of genset operation, but also to save much of the maintenance cost.

- ▶ Extended Oil Sump to increase the lube oil capacity
- ▶ Automatic lube oil refill system, precision control and consistent quality
- ▶ Additional self-cleaning Air Filter
- ▶ Enlarged air, fuel, lube oil and cooling water filters
- ▶ Additional expansion tank to increase the water capacity
- ▶ Maintenance-free starting batteries



Automatic Transfer Switches (ATS)

3Tech Automatic Transfer Switches (ATS) allow switching from a primary power source to a secondary or tertiary power source and are employed in some electrical power distribution systems. The transfer switch allows for safe switching from one power source to another power source while maintaining isolation of each source from the other. Most often ATS can be seen where emergency power generators are used to back up power from the utility source (TIMG series) or one emergency power generator is used to back up power from another power generator (TIGG series). However, in a case where the load requires the reliable supply of so much power that two backup power generators are needed, the TIMGG series ATS will be suitable.



SIEMENS



ABB



Schneider
Electric

- ▶ Available from 25A to 3150A
- ▶ Safety, Electrical and Mechanical Interlocking design to avoid malfunction in connecting of power sources
- ▶ Flexible, equipped with Siemens PLC to provide multi-function application
- ▶ Reliable
- ▶ Modular design, easy for maintenance
- ▶ Multi-language display panel, suitable for global application
- ▶ Extreme low/high AC voltage input suitable for critical, unstable utility application

Integrated soundproof Diesel Generating Set



Integrated FG Wilson genset comprises imported engine, soundproof canopy, ATS, ACDB, enlarged fuel tank and fuel level sensor

Genset control panel integrated with ATS and ACDB

500~1000L diesel fuel tank (custom-made design available), built-in fuel level sensor

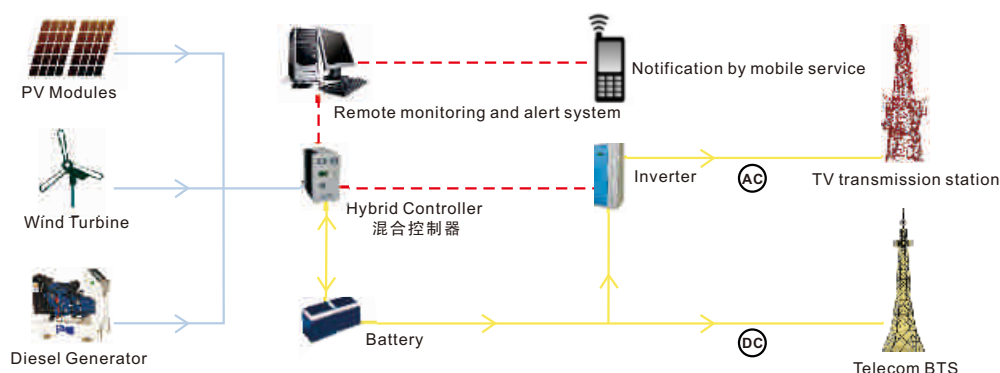
- ▶ Space Saving – one integrated unit at a site, reducing installation space
- ▶ Cost Saving – minimizing wiring and piping connection
- ▶ Tidy Appearance – well sealed and waterproof
- ▶ Low Noise – reducing individual parts minimizes noise pollution
- ▶ Easy Operation – integrated control design reduces breakdown and simplifies procedure
- ▶ Anti-theft on Diesel – no exposure of base fuel tank and socket
- ▶ Low Maintenance Cost – continuously running for 150~300 hours

For details, please check out www.3tech.net or email to sales@3tech.net for more information.

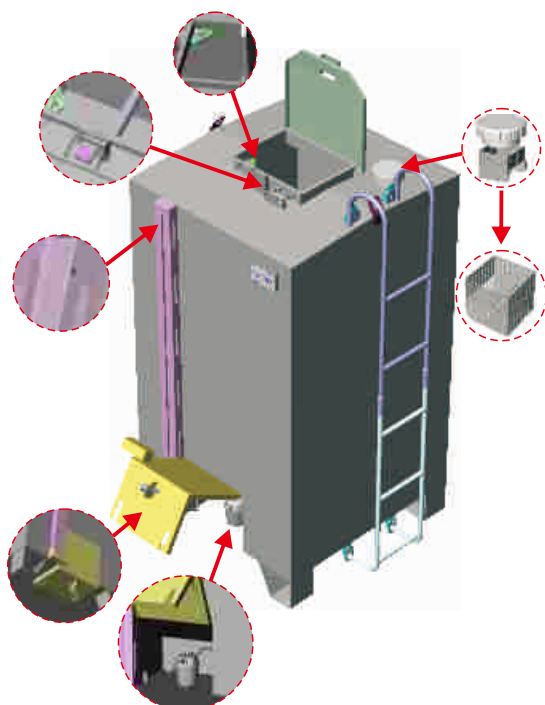
Hybrid Power System

3Tech provides a reliable and efficient hybrid power system by combining a diesel generator with solar panels or a wind turbine. Now this hybrid system is widely used in telecoms base transceiver stations and television transmission towers.

- ▶ Reduces diesel consumption and refill frequency
- ▶ Reduces OPEX (operating expense)
- ▶ Reduces maintenance and spare parts
- ▶ Eliminates standby genset
- ▶ Reduces emission of gas and noise to the environment
- ▶ Performance monitoring (web based) and fault alert (mobile text message)



Anti-theft Tank



For Telecom BTS, especially at remote sites. The theft of diesel fuel is a headache for the operators and service providers. It causes not only a direct economic loss to the operators, but also adds to the responsibility of the site services provider and results in false complaints of high fuel consumption to the diesel generator set manufacturers. With many years of experience in the telecom market, 3Tech has designed an anti-theft fuel tank to solve this problem. The anti-theft tank has the following features:

- ▶ Professional anti-theft design to prevent stealing of diesel fuel
- ▶ Simplified fuel pipe and connector design, with all necessary connectors locked and protected
- ▶ Integrated design to save space
- ▶ Removable maintenance ladder to save on transportation space and cost
- ▶ Digital fuel level display as an optional accessory to improve the remote control system

Power to Telecom



China



Pakistan



Nigeria



Kenya



Angola



D.R.Congo



Congo (B)



Sudan



Zambia



Uganda



Ghana



Tanzania



Liberia



Burundi



Gabon



Hong Kong



Service Network



Asia:

China, Hong Kong, Macau, Myanmar, Vietnam, Malaysia
Pakistan, Tajikistan

Europe:

France, Greece

North America:

USA, Canada

Africa:

Nigeria, Egypt, Kenya, Libya, Ghana, Guinea
Sudan, Burundi, Liberia, Tanzania, Angola
Ethiopia, D.R.Congo, Republic of Congo
Zambia, Chad, Uganda, Gabon

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