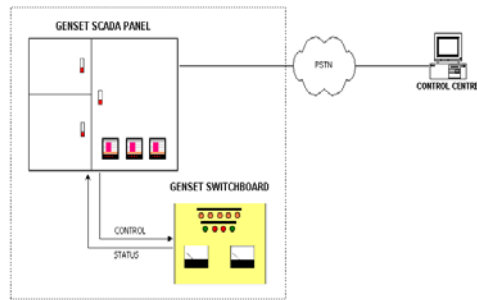
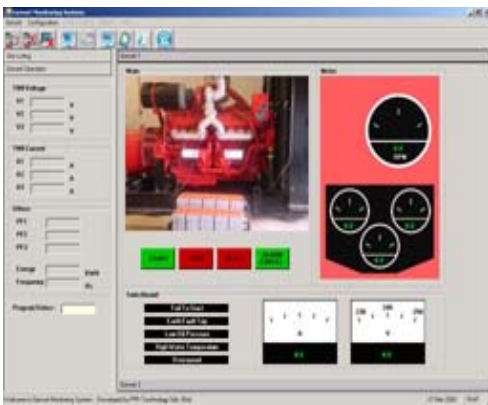


Genset SCADA System

with Gevys Software



Monitored Parameters

Engine Related Parameters

- Lubrication oil pressure
- Speed (RPM)
- Fuel level
- Temperature

Generator Electrical Related Parameters

- Missing phase detection
- Voltage for three phase
- Current for three phase
- Power factor for three phase
- Frequency

Alarm Monitoring and Management

Engine Related Parameters

- Fail to start
- Earth fault trip
- Low lubrication oil pressure
- Temperature too high
- Overspeed
- Cooling water temperature too high
- Low fuel in tank

Generator Electrical Related Parameters

- Overvoltage
- Overcurrent
- Power factor too low
- Missing phase

PPK Technology Sdn Bhd. (47508-D)
Wisma PPK,
Lot 2354, Jalan Sungai Putat,
Batu Berendam, 75150 Melaka, Malaysia.

Tel: +60 (6) 3176828
Fax: +60 (6) 3176854
E-mail : ppktech@ppktech.net
Website : http://www.ppktech.net

PPK Technology products are available nationwide in Malaysia or overseas through selected agents. Products can be supplied, installed, configured and tested by PPK Technology or an approved contractor. For a complete list of products and services available and technical support staff, contact our office or visit our worldwide web at <http://www.ppktech.net>

Minimum Requirements

- Brand, model and operating parameters of generator set needs to be specified
- Identification of parameters that needs to be controlled remotely
- Special concerns regarding purpose of the system highlighted.

Package Contents

Generally consists of: -

- Genset SCADA panel monitoring parameters of Genset as specified
- Communication cabling and equipment
- Control Center Infrastructure
- Optional integrated CCTV system

GENSET SCADA SYSTEM

Intelligent Control and Monitoring for Standby Gensets



SCADA stands for " Supervisory Control and Data Acquisition", a complete monitoring and control system. SCADA features a computer placed at a central location, communication equipment, microprocessor based programmable logic devices, sensors and other devices that, when put together, will monitor and control utility. One of the SCADA applications that are offered by PPK Technology is the Genset Control System or Genys. Genys offers significant advantages for companies who have or who want to introduce generator monitoring and control systems. It introduces intelligent data-gathering into the process and by monitoring multiple parameters throughout the generator equipment, ensures that generator only runs in a cost-effective manner.

PPK Technology developed Genys system was designed to monitor all operational parameters and represents a

virtual technical expert, i.e. electrical or mechanical for example acting as a 'Doctor' to the electrical equipment and as such monitoring the operating parameters (both mechanical and electrical) of the engine and generator itself. This is to ensure the installation is safe and within limits of operating parameters and not exceeding critical levels which can cause extensive damage to installation, or if no proper care and sufficient protection is provided, can result in fires at the load end or, for that matter, at the generator set. Monitoring of the Genys system can be locally at the control center and remotely from anywhere using a dial up telephone line or other communication technologies, such as leased line, ISDN, broadband and etc. The Genys system can come equipped with an optional real time CCTV monitoring camera integrated to efficiently report live video of the generator set in operation.

Real time monitoring of oil pressure, engine speed (RPM), fuel level and temperature

Detects missing phase, current and voltage for all phases, power factor and frequency

Monitoring of parameters such as earth fault trip, low lubrication oil, overheating, and others

Can be integrated with CCTV monitoring system for live video feeds capturing

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