

Comprehensive Genset Controllers make Panel design simpler. We offer Comprehensive Genset Controllers which is an **All-In-One** solution for AMF, Protections, Display, Synchronizing, Load sharing & Power management. These Controllers are Microcontroller based with PLC in built.

**Integrated solution makes Panel simpler and smaller in size.**

Controllers monitor Start/Stop cycle, measures parameters (Engine, Generators, and MAINS) and protect the Genset as per programmed values. Synchronizing multiple sets with effective Power management is an additional inbuilt feature.

**Microcontroller based  
and  
PLC inside**

## Intelligen-NT

Intelligen-NT is a compact & Comprehensive Controller for Single and Multiple Genset operation. Built-in Synchronizer and Digital Isochronous Load sharer provides total integrated solution for Gensets in Isolated parallel or Parallel with MAINS.

Intelligen-NT Controller supports Electronic Engines (with ECU). Up to 32 Nos. DG sets can be synchronized with Intelligen-NT Controller. It has an integrated PLC to take care of additional 'logic' requirements.



## Features

- **Engine Measurements:** Pressure, Temperature, Speed, Battery Voltage, Hrs
- **Generator Measurements:** Phase wise Voltage/Current/KW/ KVA/KWH/PF, Hz
- **MAINS Measurement:** Voltage, Current, KW, PF, KVAR.
- **Protections for Engine/Generator:** Overload, Over speed, Reverse Power, Earth Fault, IDMT over current + short current, Vector shift, high temperature, and low pressure.
- Inbuilt PLC, AMF, Protections, Measurements, PC Communication, Automatic synchronizing and Power Control, Base load, Import-Export, Peak shaving, Large display, History, statistics
- RS232/485 Interface with MODBUS support (Analog/GSM/ISDN/CDMA modem support), SMS Messages, User Friendly software, additional 160 programmable protections.

The integrated concept makes Panel simpler & smaller which also results in cost reduction. The Power-houses can be kept Unmanned. The control can also be at remote place.

## Intelisys-NT

Intelisys-NT is high end Controller for Single & Multiple Genset. It is the ideal solution for large capacity sets, CHP & complex applications.



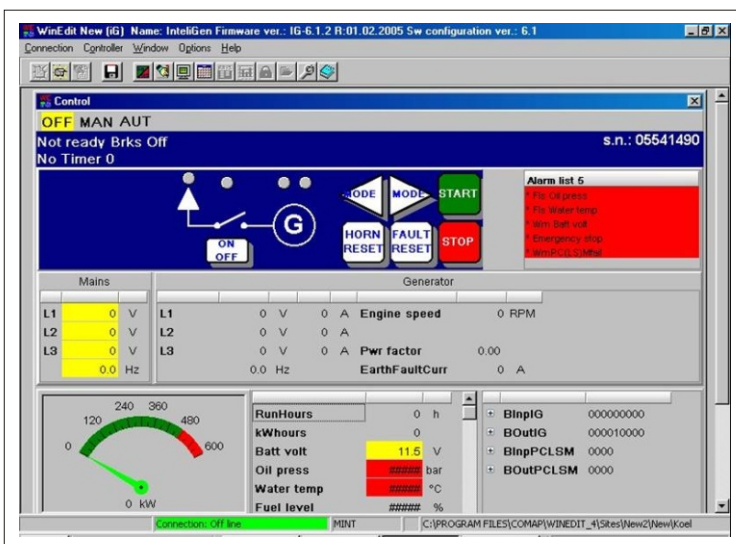
The Automatic synchronizer and Digital load sharer are inbuilt. It has PLC inside. The total design is Micro controller based. It has powerful & large size graphical display .

Intelisys-NT has all the features as available in Intelign-NT. Additionally, it has USB port, Full PLC, more history, larger display & more I/Os. It is expandable Controller. Three additional displays can be attached to it for remote control.

**Hundreds of installations in India.**

To summaries, the Intelisys-NT is a Comprehensive Controller with all needed functions i.e. AMF, Display, Protections, Synchronizing, Load sharing & Power management.

Intelligent Power management ensures optimum utilization of Gensets, Fuel saving & longer life of Gensets.



**Software**



**L&T John Deere Plant**