PS8000 SCADA Supervisory Control & Data Acquisition





Whether you are operator, electrical manager, administrator of industrial sites, in charge of maintenance, or simply concerned by the management of an electrical network, the PSBOOO system will help you optimise your networks and make them more profitable.

CUSTOMER BENEFITS

Supervises and commands the whole electrical network Assures the security of people and equipment Minimises operating costs Optimises maintenance Reduces electrical invoice





PS8000 Energy

To fulfil the need of managers to assure the continuity of installations and the security of their staff, ICE proposes a financially accessible and evolving system called **PSBOOO**. The main part of this new generation system is the scada software called **PSBOOO** Energy. It allows to identify, even eliminate, the reasons of defaults and by this to guarantee a safe environment. This system that centralises data and has a capacity of automation is a real tool that helps minimising the operating costs.

Thanks to the advanced functions of management such as statistics, results or automation of power cuts, **PSBOOD Energy** helps to reduce and optimise your energy invoices.

PSBOOO is the latest version of the family of systems specialised in the supervision and command of electrical networks. It offers you a global solution with important advantages, particularly in the domain of liability, security of the processes and user-friendly functionalities.

More than a basic SCADA system, **PSBOOO** is a complete set of Hardware and Software which complies with all electrical requirements.

Based on a user-friendly configuration, open towards other systems, multilingual and easy to use, **PSBOOD** Energy is a real help in decision making, allowing to react as fast as possible to faults.



ARCHITECTURES

From simple...



Covers all needs between field level (relays and data acquisition equipments) and the operator

Complete system from field to operator levels

Advanced functionality for energy management

- Full dynamic representation and coloring of the network
- Complete interface with relays and data acquisition devices
- Local PLCs for automatic functions
- Optional high speed load shedding

Advanced solution based on Ethernet

- Reliability and performance
- Industrial, evolving, adaptable solution
- Fast and sure
- Support of IEC 60870-5 and IEC 61850 protocols (and many more....)

Continuity of services ensured by redundancy

- On all levels of layers of the PS8000
- From simple configuration (two servers) to more complex applications (cluster of servers as a loop)

...to redundant multi-systems



ELECTRICAL NETWORK MANAGEMENT

Real-time update of synoptics, measures and energies

Real-time overview of the state of the electrical network:

- · Status or value of any aperiodic information of all sub-stations
- Measures and energies
- Uploading of relay parameters





Event log

The event log records all events with a precision of 5 ms:

- Appearance/disappearance of events
- Appearance/disappearance of alarms
- Follow up of operator actions (discharge, sending of command and orders)
- Messages and errors
- Specific editions (recordings, results of sorting, parameters, measures etc..)

ELECTRICAL NETWORK MANAGEMENT



Alarm and event management

- User configurable list of alarms
- Appearance of an alarm is signalled by a sound alarm, a message on the event log, a make contact and a synthesis of events in a service window
- An overall list of current alarms, cleared or non-cleared, is available



Alarms geolocation

Grouping alarms by:

- Types
- Domains
- Groups
- Emergency levels

Visualization of bonding flaws

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Local PLC embedded

- Powerful graphic editor (SFC,FBD, LD)
- Text editor (ST, IL)
- Fully compatible with IEC61131-3



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