

SUPERVISION OF ELECTRICAL NETWORK



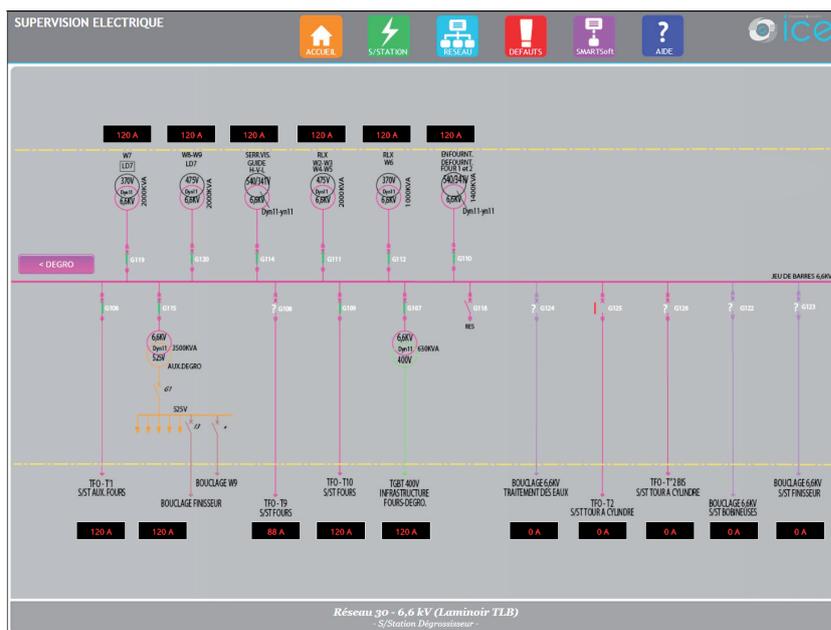
PS800

The connected factory 4.0

The optimal management of electrical power systems is based in particular on the reliability, availability and communication skills of protection, measurement and automation devices.

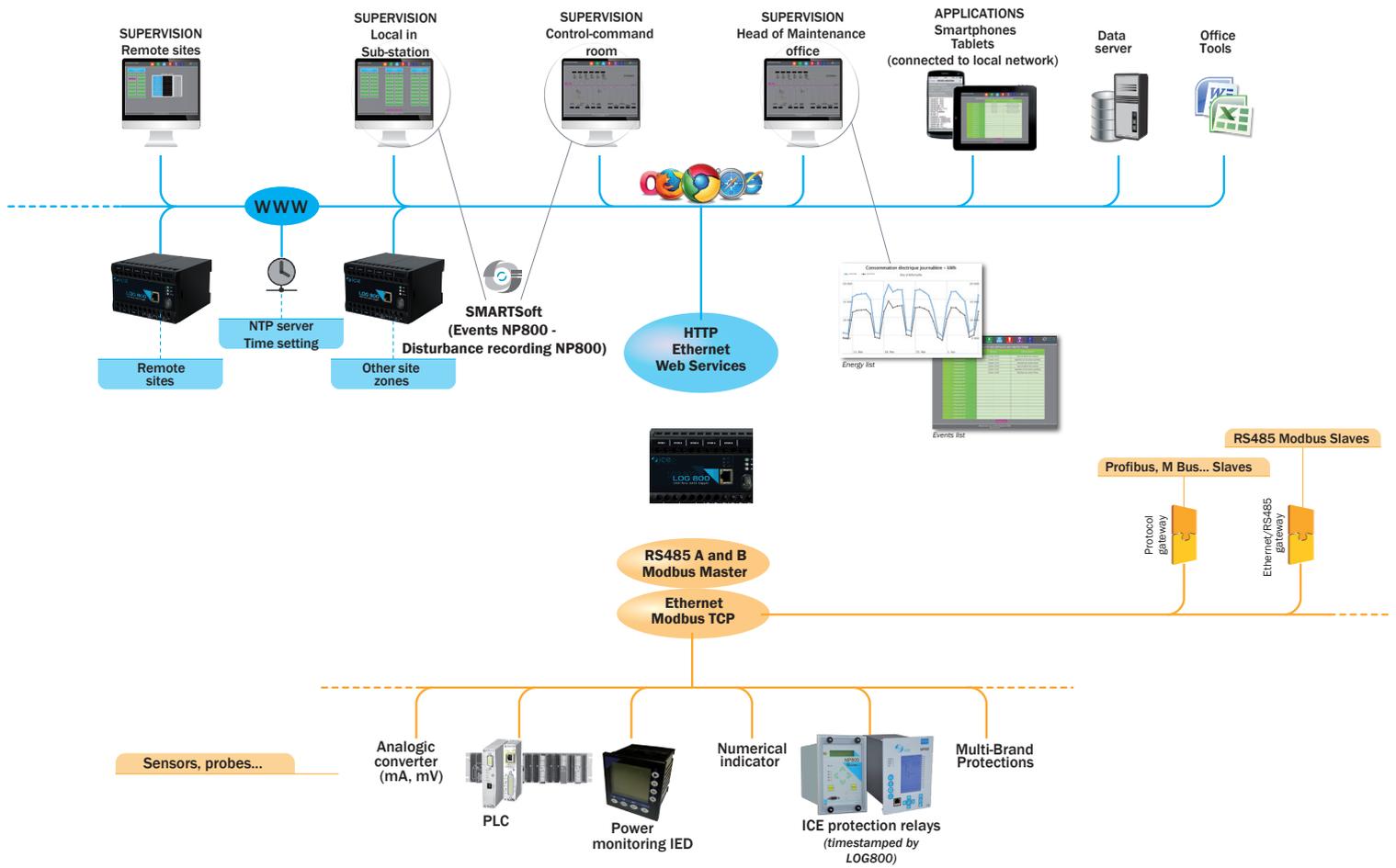
ICE has developed the PS800 system to fit the needs of the actors involved in the electrical network management like the operators, managers and maintainers of the industrial sites or in charge of maintenance. This system provides the key information necessary for each user according to each one activities in real time.

PS800



- Distance monitoring in real time
- Multi-Product/Multi-Brand
- Customizable web-based interface
- Scalable system
- Licence free
- Easy implementation

FUNCTIONAL SCHEME



FUNCTIONALITIES AND OPTIONS

Architecture	Client/Server
Compatibility	Windows 7 & 10 (32/64 bits)
Number of variable	4096 per LOG800
Time stamp	Computer/NTP
Events & disturbances reading	
NP800	SMARTSoft Software
NP900	SMART9 Software
Other IED equipment	On demand after analysis
Options	
Data storage server	Energy, powermeters...
Automatic colour line	Powered/Unpowered
Real time Display	
Single line display	
Dashboard	

TRAINING

After having realized the engineering study and the commissioning of PS800, ICE is offering trainings adapted to your needs.

1. Training : User

This training is intended for the PS800 system users. It generally takes place during the commissioning and is based on the presentation of different functionalities available in the PS800 client system.

2. Training : Programing L1

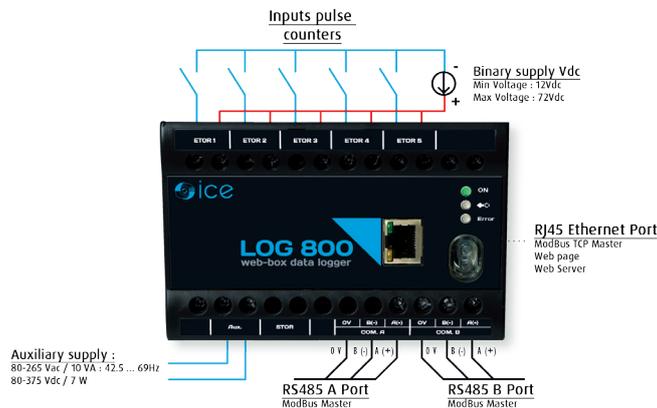
This training is intended for the maintenance team personnel who want to make functional changes on the system independently.

This training, based on practical exercises, will provide you with the necessary tools to carry out a communication network (eg: IEDs programming, LOG800, ethernet switch...) in order to add them to the PS800 system.

LOG800 CHARACTERISTICS

RS485A and RS485B ports	Modbus RTU mode
Ethernet port	Modbus TCP and TCP/IP-encapsulated Modbus in master mode
Data storage recording periodicity	Every 5s to 60m
Auxiliary supply	80 to 265 Vac - 10 VA - 42,5 to 69 Hz / 80 to 375 Vdc - 7W
Environment	
Operating temperature	-10°C to +55°C
Ingress protection	IP20
Mechanical specifications	
Mounting	Mounting on DIN rail
Dimensions	120,5 x 120 x 81 mm (PxLxH)
Electromagnetic constraints	Compliance with IEC 62052-11 (electricity metering standard)
Compliance	IEC 61000-4-2/3/4/5/6/8/11 - CISPR22

WIRING DIAGRAM



The specifications and drawings given are subject to change and are not binding unless confirmed by our specialists.