Gillam-FEi
FREQUENCY, ELECTRONICS & TELECOMMUNICATIONS

LYNX

SCADA SOFTWARE
For airport remote control

Key Features

SCADA system issued form GILLAM-FEI **LYNX** software suite dedicated to **airport facilities**.

Multi-techniques supervision (electricity, lighting, industrial process, …) provide technique-oriented management tools.

Network Management: interactive geographical maps of networks (countries down to buildings) with topological and **GIS** information.

Management of equipments manufactured by Gillam-FEI as well as 3rd party devices

Detailed **graphical views** of managed equipments with **dynamic information**

Extensive **Fault Management** with comprehensive filtering and alarm prioritisation

LYNX for Airport is a SCADA application manufactured by GILLAM-Fei, that delivers real-time visibility, monitoring and control over industrial systems and processes.

LYNX for Airport contains specific functionalities to provide a dedicated solution to the unique needs of this sector.

LYNX Information

LYNX is a complete software solution for the management of devices in **large networks**.
LYNX is the result of the continued development of a general-purpose SCADA system able to address devices in many operational domains.

Modular and evolving architecture

Thanks to its modular client/server architecture and its evolutionary Open-Source SQL database, a LYNX system can be easily upgraded to account for network evolution and manage new generations of equipments.

LYNX Airport product brochure rev1_GB

LYNX *Management functions at a glance*

Lighting management

Load shedding/unshedding

HV loop management

Energy management

UPS management

No-breaks, groups management

Technical management
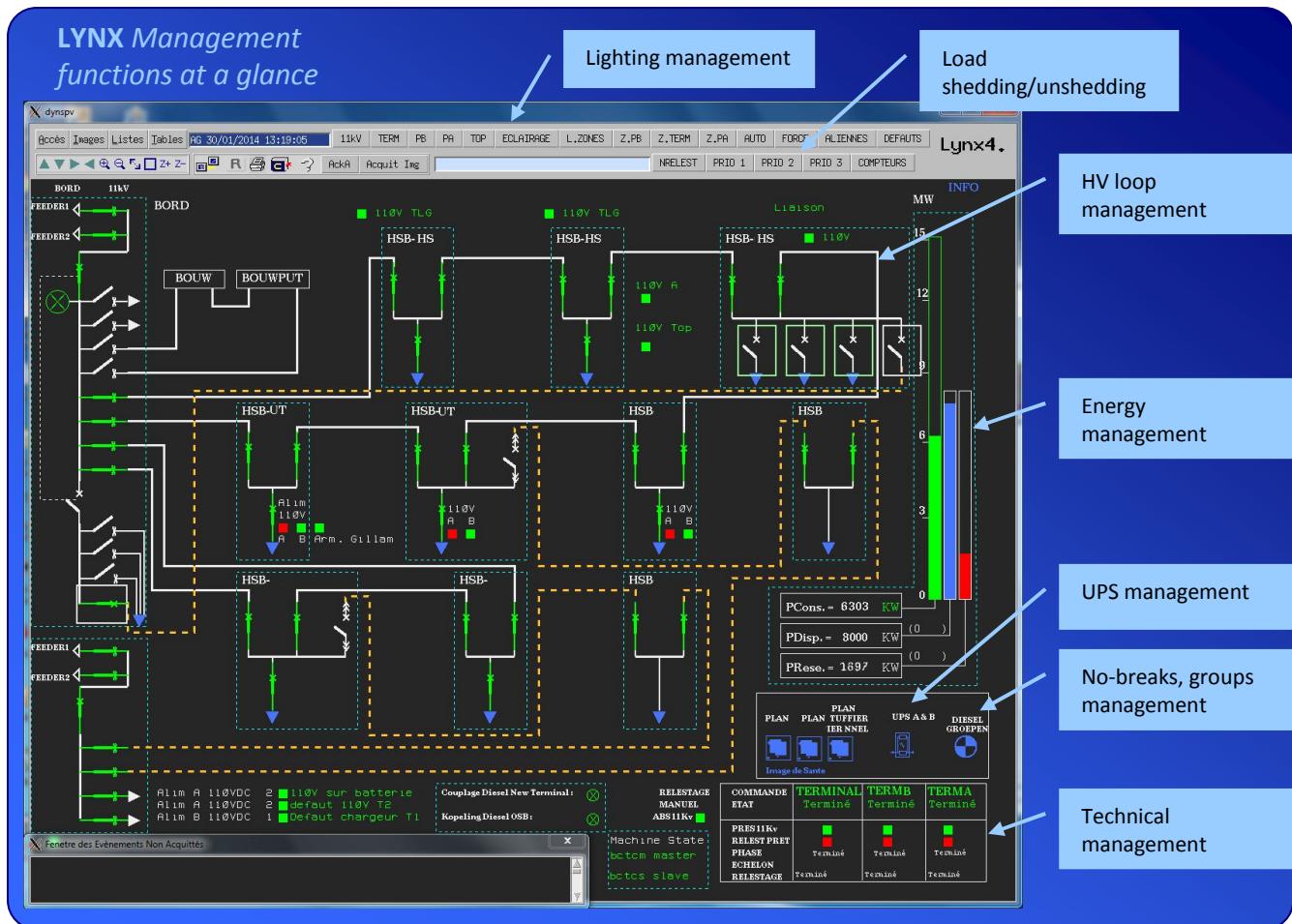
MV loop management

In a synthetic view, **LYNX** provide the health status and configuration of critical electrical installations. Through the monitoring of voltages, currents, switchgears position and alarms, **LYNX** performs the remote management of all the organs of the MV loop and allows to supervise and reconfigure the topology in a few clicks.

LYNX provides dynamic views from the main MV loop to the divisional tables.

Power and Energy management

A real-time power balance is computed from aggregation of field measurements. The available power is compared to the consumed power. These figures are used to optimize the energy supply and determine the load shedding level.

Load shedding / unshedding

Air traffic control requires consistent and reliable power supply. Upon shortage of mains supplies, no-breaks, diesel groups and UPS take the relay to provide uninterrupted supply to the critical services.

LYNX enables to define up to 8 different levels of supply priority. In backup conditions, a dynamic load shedding mechanism is engaged in function of available power.

UPS and groups management

LYNX provides an intuitive Human-Machine Interface to complex and widespread equipments. The human operator is able to quickly analyze the situation and take the necessary actions.

LYNX gathers informations and alarms from generators, no-breaks, UPS to ease preventive maintenance and troubleshooting. Alarms are handled and logged for immediate or a posteriori analysis.
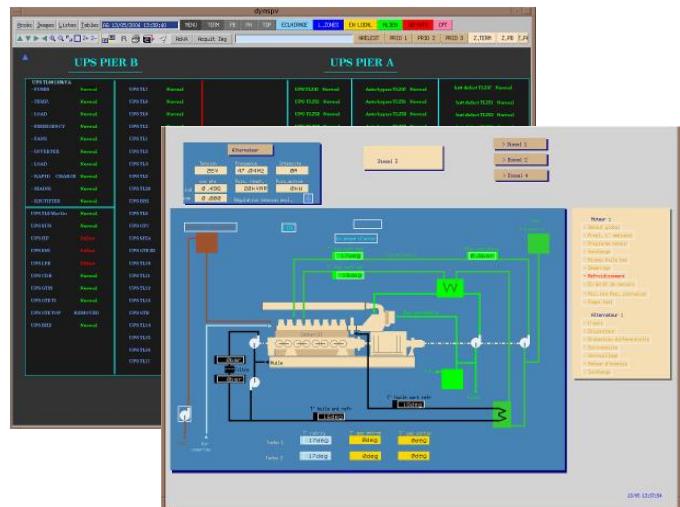
LV electrical automatisms
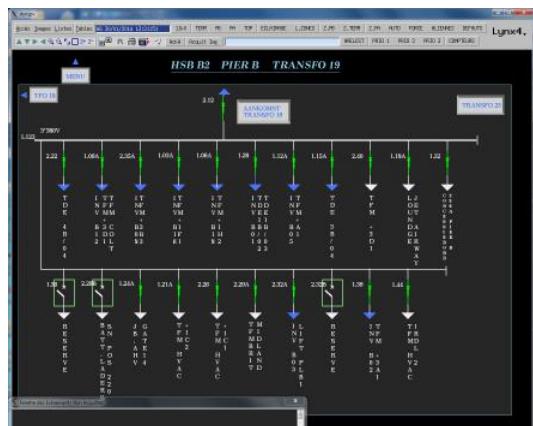
LYNX makes possible the management of the different voltages level up to the divisional table. Dynamic browsing of the electric tree is possible from the main loop to the lighting point.

Status of the switchgears, transformers, couplers, relays, lighting points … are handled and displayed in synthetic views.

LYNX presents a standardized view of the monitored objects, whatever the brand or technology employed on the field.

Lighting management

Lighting is managed automatically by determining power off and power on periods.

In addition, each luminous point can be cyclically powered off again.

Energy savings

Luminous points can also be associated to one or several luminosity sensors for autonomous operation. Lighting of the departure gates can be driven by on-line flight schedules.
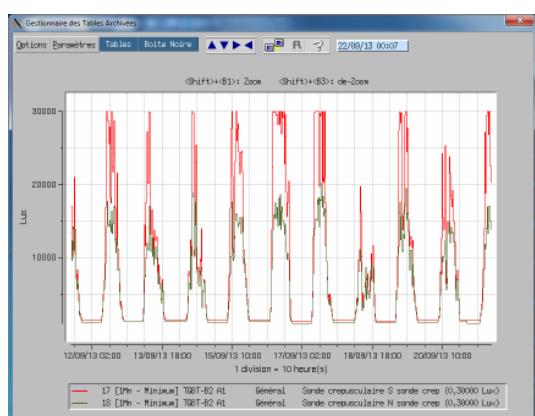
Lighting savings in work offices and passengers area are possible without compromising comfort of the users.

Billing applications

Billing meters are periodically read and customers consumptions are provided through ODBC to invoicing softwares.

Supervision of industrial process

Pumps, pressures, flows, levels, gauges,… taking part of an industrial process are presented as mimic diagrams, understandable to human operator. Trending, diagnostic data and remote operation give detailed knowledge over the process.

Maintenance

Geographic mapping of devices. (recovery of DXF map files)
Usage counters for the different equipments are interfaced with the maintenance module to guide maintenace task.
Interfaces with software modules on the market