Gillam-FEI
FREQUENCY, ELECTRONICS & TELECOMMUNICATIONS

LYNX

SCADA SOFTWARE
For Transport application

Key Features

SCADA system issued form GILLAM-FEI **LYNX** software suite.

Dedicated to **Transport infrastructures**.

Multi-techniques supervision (traction power grid, infrastructure monitoring, passengers displays, …) 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

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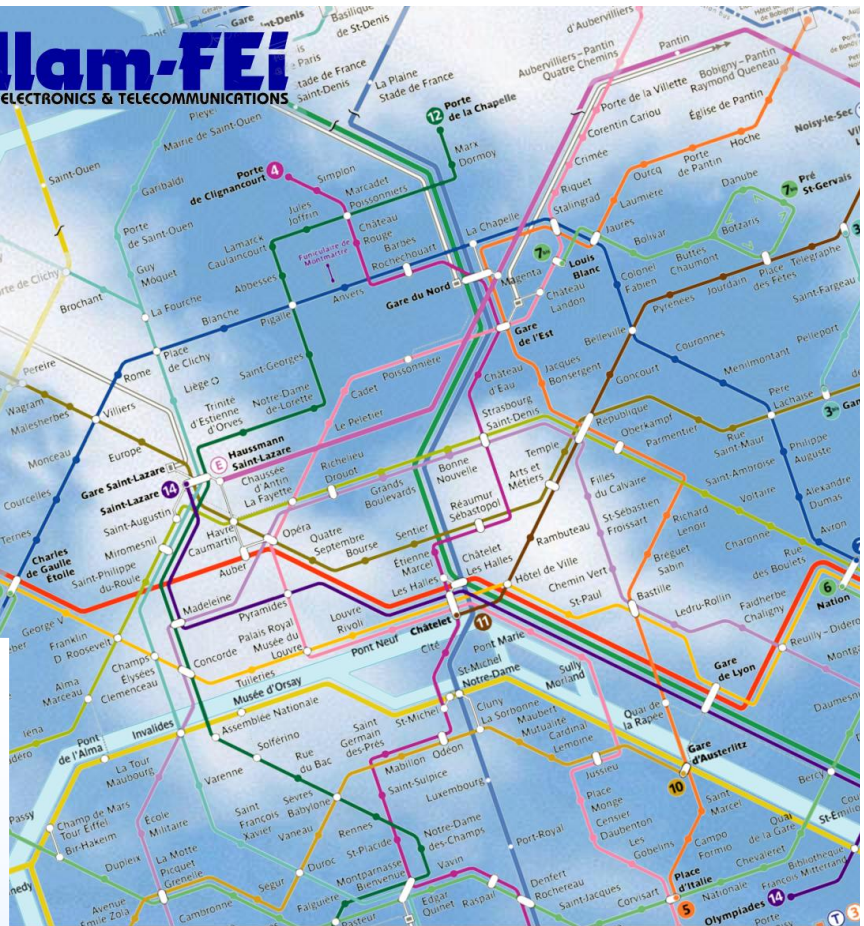
LYNX for Transport is a SCADA application manufactured by GILLAM-Fei, that delivers real-time visibility, monitoring and control over industrial systems and processes.

LYNX for Transport contains specific functionalities to provide a dedicated solution to the unique needs of the transport infrastructures.
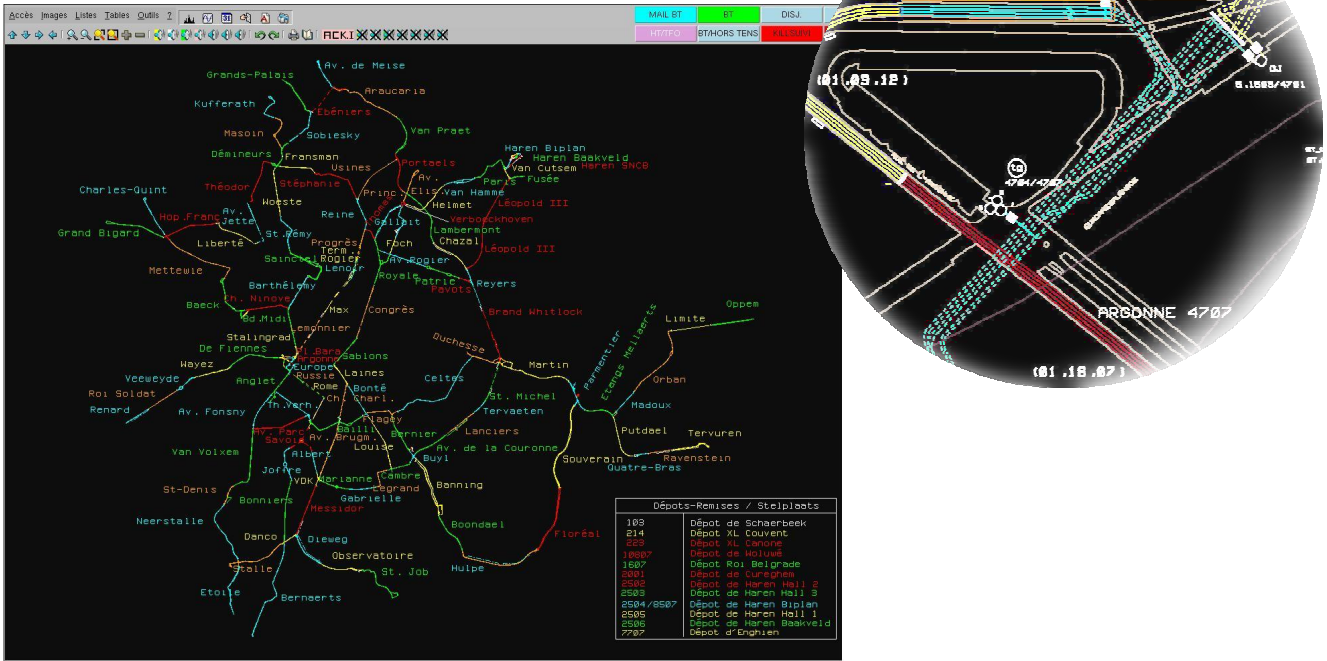
LYNX Information

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.

Traction power network management

LYNX provides dynamic views of the electric railways power network status. From the MV electric utility supply to the distribution lines, the different components (transfos, switches, overhead lines,…) are integrated in a global electric diagram. Voltage follow-up provide real-time view of the network with possibility to quickly react to incidents.


Business oriented displays

LYNX provide to the different users of the system (dispatchers, substation technicians, engineers, maintenance technicians, …) a dedicated view focused on the user's specific task. **LYNX** provide the information in electrical schematic, topological schematic or even equipment views, …
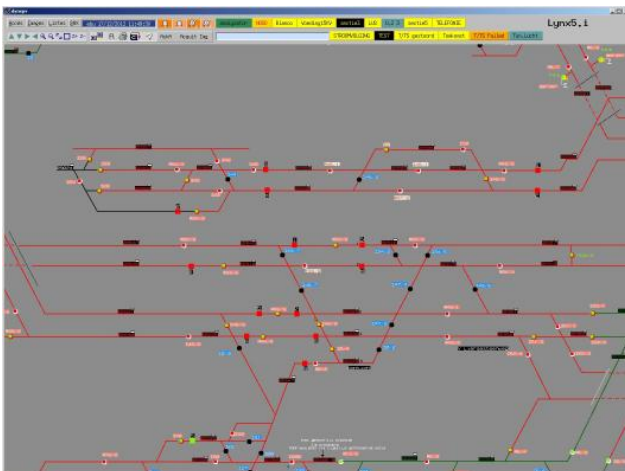
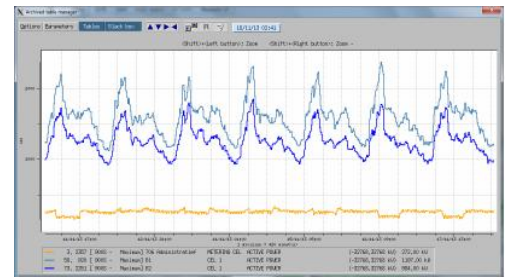Dispatcher's view : topological information with view on the energized tracks
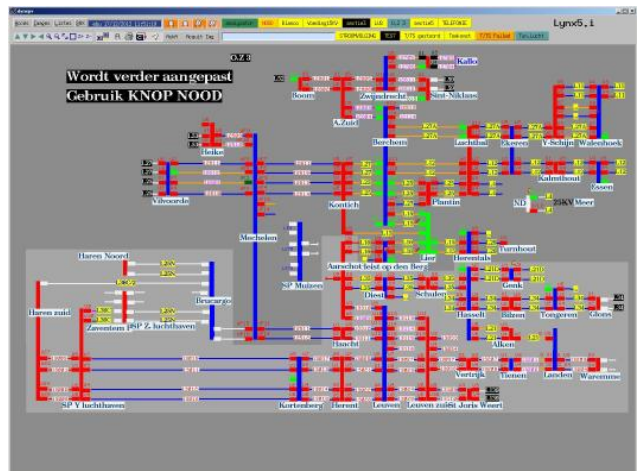
Power grid view : monitoring at substation level
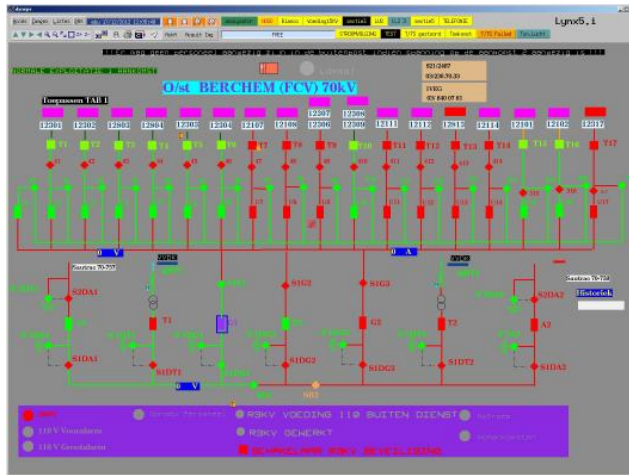
Substation technician's view : monitoring at switchgear level

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.
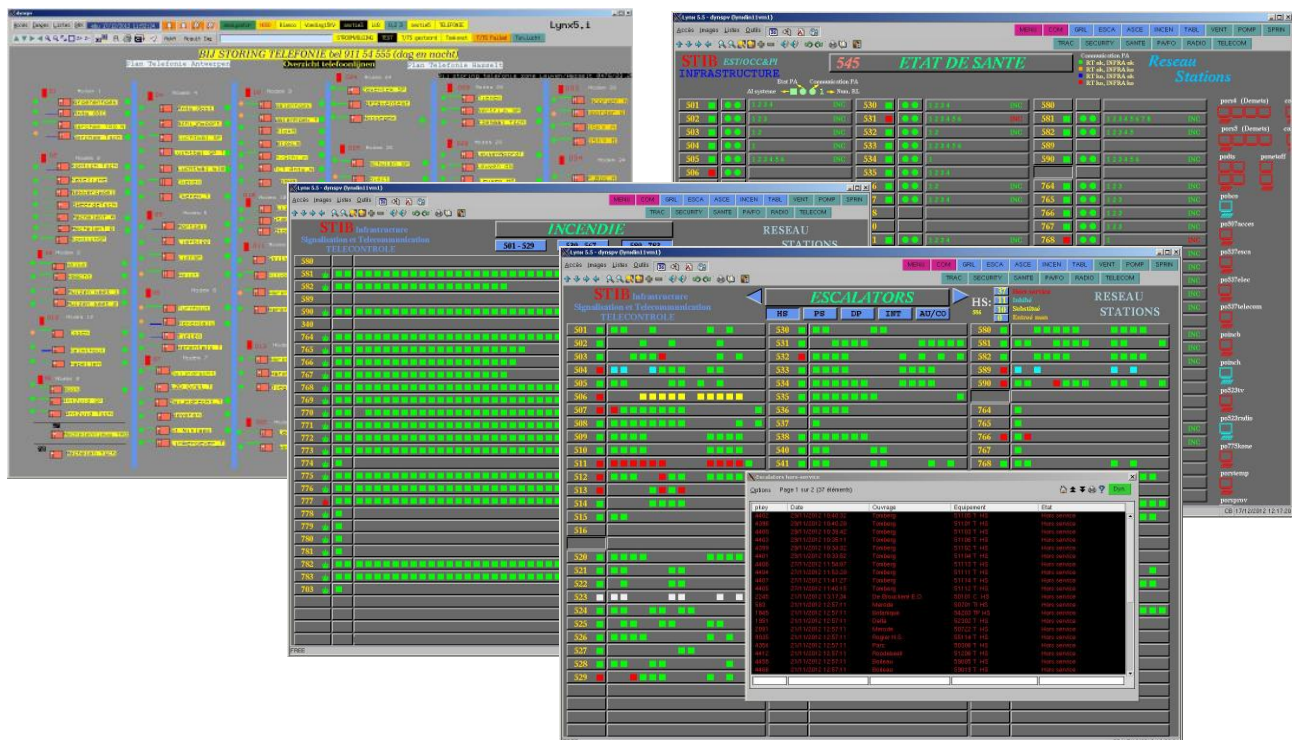

Infrastructure monitoring

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 escalators, lifts, passengers displays, airco, pumps, sprinklers, fire alarms, …

Alarms are handled and logged for immediate or a posteriori analysis.

Communication network monitoring

LYNX communication Manager monitors the health of the communication equipments and the status of the communication infrastructure.

Alarms management and data login

LYNX Alarms Manager handles events, messages and status information from all network elements.

Events and alarms are displayed using a set of predefined colours and formats for rapid intelligibility.

Hints and operational information help operators fixing problems.

Up to 1.000.000 events are logged for long-term analysis and correlation.

Alarms prioritisation and extensive "on-the-fly" filtering functionalities allows for instant and effective problem solving.

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 (PRAO, networks planning software)

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