V2X Server

MANAGEMENT PLATFORM FOR C-ITS SYSTEMS

V2X MESSAGES CENTRALIZATION

TECHNICAL SUPERVISION AND MONITORING OF V2X DEVICES

OPEN API TO COLLECT / PUSH V2X DATA

AVAILABLE IN SAAS OR ON PREMISE MODE

LACROIX

V2X Server

MANAGEMENT PLATFORM FOR C-ITS SYSTEMS

V2X Server is a comprehensive platform dedicated to the management of cooperative equipments, both road side units and service vehicles. It is suited for traffic managers who want to manage a pool of devices beside their existing Traffic Management System.

V2X server enables a definition of alerts for further broadcast by road side units or service vehicles, while simply specifying a geographical area of interest. In addition, all the V2X data generated from the field is displayed over a map and recorded into the database, available for reports.

V2X Server provides all technical management functions that enable a permanent view of the operational status of all the devices. Also, V2X server provides a centralization of the firmwares and generates security certificates, available for automatic downloading from the devices.
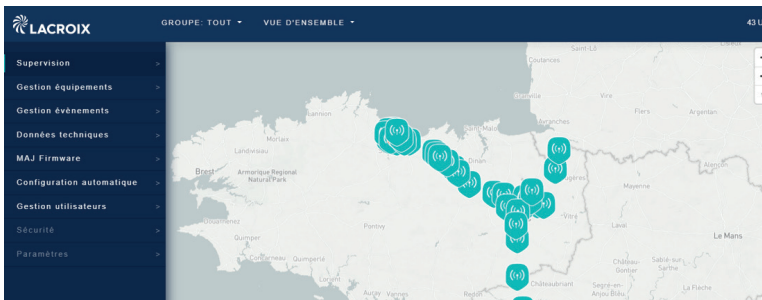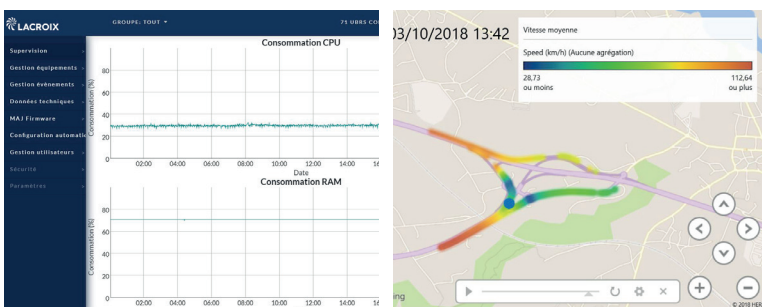
BENEFITS

➔ Broadcast one message over several V2X devices
➔ V2X data reporting
➔ Security management system
➔ Field software upgrade management
➔ Technical supervision of the whole devices
➔ Interoperable solution that fully interfaces with existing systems

FUNCTIONS

· Technical monitoring of C-ITS equipments
· Events programming and scheduling
· Geolocalization of RSU and OBU over a map
· Data Centralization
· Device maintenance
· Realtime V2X messages vizualisation

C-ITS APPLICATIONS

APPLICATIONS

· Connected roadworks
· Accident / Hazards notification
· Weather warnings
· Variable message sign notification
· Connected traffic lights
· Connected and Automated vehicles
· GLOSA
· Emergency vehicle notification

TECHNICAL CHARACTERISTICS

· OS Linux
· Full web application
· MySQL Database
· OpenstreetMap