



# L500 at a glance

## What is L500?

L500 is the entry range SCADA solution for Medium voltage and low voltage distribution networks.  
Combined with Easergy and ADVC FRTU and FPI products, L500 is the ideal solution for basic MV network remote control application with few hundred devices  
L500 is the first step to SAIDI reduction thanks to MV networks remote monitoring and control in a very short time and cost compared to large DMS project

## Plug n Play

Supervisor that is predefined for using Easergy devices and ADVC reclosers : T200 , F200C, G200, ADVC U, ADVC N

## Quick and tested configuration

- Limited risk of error using predefined and validated templates
- Simple and fast configuration
  - 1.No data writing, configuration thanks to dialog boxes
  - 2.Communication network selection
  - 3.Done by operators
- Customizable views as per network scheme
- Open and scalable system by experts

## Impacts on the project

- Step by step implementation
  - 1.starting with MV/LV substations rehabilitation
  - 2.limited technical risks (communication, technical choice. and adapted remote management system
- Short return on investment
  - 1.operational system within 3 months (after order)
  - 2.Balanced and gradual training of personnel (1 to 4 days)



# L500 Specifications and Features



## Remote monitoring and control

Automatic building up of the supervision and communications data base  
Remote MV switches status indication.  
Switches / CBs Control.  
Alarms and events management.  
Archival storage of all Events and Alarms.  
Clock synchronisation through the protocol

## Specifications

- Compatibility with Win7, Win8 and Windows Server 2012 Standard Edition
- Proprietary database or possibility to use Microsoft SQL Server 2012
- Communication front end processor integrated into supervision
- From simple to more complex architecture (single server or client-server)

## User Interface

Control unit with 1 to 4 screens  
Global network imaging  
Substations detailed views and single line diagram  
Detailed display of alarms  
Measurements and Trends display possibility  
Connections planning  
Individual call request  
Direct access to information  
Online help

## Data transmission

- Modbus RTU/Modbus TCP and/or IEC870-5-101/104
- Permanent and non permanent management of communication
- Call management
- Alarms and events transmission via SMS and emails
- 1 to 10 communication ports
- Radio , phone, GSM, GPRS, FO, Leased Line, Ethernet network



# L500 Customer Benefits



## ➤ Short return on investment

➤ Application available within 3 months (after order)

➤ Configuration and Settings (rather than Programming) can be performed by the operator  
Easergy or ADVC devices are predefined in the L500

➤ Investment focused mainly on the instrumentation of the network – starting with the most strategic substations along the network

## ➤ Immediate service quality (reduced SAIDI) and operations improvement