Medium Voltage Distribution

Feeder Automation

With Schneider Electric’s solution, feeder automation gets easy and affordable.
Power outages are costly

Defective power supply affects...

<table>
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<th>... your revenues and assets...</th>
<th>... and your Customer's satisfaction</th>
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<td>- Loss from non-distributed energy</td>
<td>- Loss of revenues due to non-productive time</td>
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<td>- Regulator penalties</td>
<td>- Deterioration of electrical installations</td>
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<td>- Increase of operational costs</td>
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<td>- Equipment early replacement due to stress</td>
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We offer you an easy and affordable solution to preserve your customer’s satisfaction and reduce your operational costs.

Reducing outage time
In the event of a fault, 50% of the network supply can be restored within a few minutes.

Improving the quality of distributed energy
Accurate information about permanent and transient faults allows corrective and preventive maintenance to be carried out to reduce fault repeatability.

Reducing operational costs
Accurate fault information considerably reduces fault detection time.

Getting immediate return on investment
Thanks to the Easergy L500 Scada, focus your investment on network instrumentation: Easergy L500 is a preconfigured basic Scada for Easergy devices with just enough functions to manage data, not more.

Remote control of your networks can be achieved in stages using simple systems that can be implemented within a few months. The modularity and integrability of the Easergy products range significantly reduce installation and commissioning costs and, allow you to invest exactly what is required and to benefit from an immediate return on investment. You can then add extra equipment when your budget allows.

The SAIDI (System Average Interruption Duration Index) can vary from a few minutes to several hours. Our feeder automation solution helps you decrease the number and duration of outages, reduce the size of zones affected by the faults and thus optimise your network’s reliability of supply.

Because a single failure has the potential to generate considerable financial losses, continuity of service is a strategic challenge.

An outage might cost up to millions of euros for a semiconductor production or for a company in the banking sector, and damage credibility and confidence.
Take advantage of our Feeder Automation Solution to...

- improve quality of service
- reduce operational and maintenance costs
- defer capital expenditures

...through step by step and easy implementation of an affordable and global solution for underground and overhead network management

...within the frame of your operational budget.

How does it work?

1. Remote control system: Easergy L500
2. SMS Alert
3. Remote control unit for underground networks: Easergy T200I
4. Communicating fault passage indicator for underground networks: Easergy Flair 200C
5. Medium voltage ring main units: RM6 and FBX up to 24 kV, Flusarc 36 kV
6. Pre-fabricated MV/LV substations: enclosures in metal, G.R.C. or concrete
8. Reclosers: N series, U series remote controlled by ADVC
9. Sectionaliser: PM6 load break switch remote controlled by Easergy T200P
A comprehensive catalogue to help you manage your overhead and underground MV networks

Fault passage indicators for underground and overhead networks

- **Local fault indication**
  - Easergy Flair Din (integrated into the switchgear)
  - Easergy Flair 279 (stand-alone)
  - Easergy Flite 110-SA

- **Remote network monitoring**
  - Easergy Flair 200C
  - Easergy Flite 116-SA/G200

Control units for underground and overhead networks

- Easergy T200I
- Easergy T200P
- ADVC

Network supervisor

- Easergy L500 remote control system

Medium voltage underground and overhead distribution products

- MV/LV prefabricated substations (in metal, G.R.C. or concrete)
- Ring main units up to 36 kV: RM6, FBX (24 kV) and Flusarc (36 kV)
- Minera, Vegeta transformers
- PM6 load break switch (sectionaliser capabilities)
- RL-series load break switch (sectionaliser capabilities)
- N series recloser Gas-insulated
- U series Recloser Solid insulation

“IT is the management of energy use through measurement, monitoring and control that effects permanent change. Moreover, compared with the costs (and technical skills necessary to avoid risks) of installing thermal solutions, energy control can be implemented at a relatively modest price and a very rapid payback. This is especially true when measured against escalating energy prices – most energy control solutions can be amortised very quickly.”

Extract from Schneider Electric’s White Paper “Making permanent savings through active energy efficiency”