ZIV continually strives to improve products and services. The technical information included in this document is subject to change without prior notice.

Please visit our website for local information in your area.

www.zivautomation.com
mail@zivautomation.com

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Advanced monitoring of low and medium voltage distribution networks is gaining momentum all around the globe as distribution system operators (DSOs) realize the importance of the low voltage (LV) grids in their relationship with consumers and prosumers.

ZIV is working side-by-side with major DSOs to provide remote process of digitalization that began more than two decades ago focused on the transmission networks. Presently, distribution utilities have already focused on the transmission networks.

Now, the combination of measurement, LV monitoring, MV monitoring & control and data analytics have been deployed, the results published by some utilities, prove that the LV grids are already deployed systems where information from LV and MV grids is analyzed contemporaneously to operate the network accordingly.

In that sense, some utilities have already deployed distributed systems where information from LV and MV grids is analyzed contemporaneously to operate the network accordingly.

Results published by some utilities, in which ZIV is providing solutions for distribution automation, show that where the LV advanced monitoring systems, smart meters, MV monitoring and control, and operational (OPEX) expenditures have improved drastically while capital (CAPEX) performance indicators (SAIDI, SAIFI) have improved drastically while capital (CAPEX) performance indicators (SAIDI, SAIFI) have been optimized.

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Providing intelligence to distribution networks
Monitoring and automation solutions for:
- Compact Switchgears
- Extensible Switchgears
- Overhead Load Break Switches (LBS)

Provide full visibility of the LV grid to optimize performance, minimize downtime, enhance the time-interruption of status and topology.

Integrated systems for:
- Fault logging information
- Quality of service improvement
- System energy losses reduction
- Distribution transformer monitoring
- DER / LV / MV integration

MV DISTRIBUTION GRID AUTOMATION

INTEGRATED SYSTEMS FOR OVERHEAD LINES AND UNDERGROUND NETWORKS

LV ADVANCED SUPERVISION

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INTEGRATED SYSTEMS FOR OVERHEAD LINES AND UNDERGROUND NETWORKS

LV ADVANCED SUPERVISION

Ready to go switchgear control

At the edge of the grid

Digital Distribution networks

Connected with SCADA and remote control centres using standard communication protocols.

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