Low voltage networks are notorious for being difficult to visualize, yet they can have a significant impact on your grid. Challenges are particularly prevalent in regions with extensive LV networks such as Europe, Africa, and Asia. The increase of objects like battery storage and solar with surplus production has increased the probability of outages and overall network variability. As a component of GE Digital’s Advanced Distribution Management Solution, Low Voltage Management enables distribution operators to gain visibility and control of this previously hidden part of your network.

GE Digital’s Low Voltage Management
Low voltage. High Impact.

Improved Situational Awareness
Increase visibility of the real-time operational state of LV networks for central and remote operators.

Empower Field Crews
To accurately power flow analysis, tag network faults, and control network key grid, improving low voltage visibility and enable more efficient and field operations.

Enhance Decentralization
LV control by automating dispatch of low voltage outages with no control room operator involvement.

Distribution LV (secondary) networks can be up to 10x larger in terms of assets than higher voltage networks.

Making Your LV Network Visible & Actionable
Full operational visibility and status of LV network and enabling operation of smart network devices.

Understanding & Leveraging DERs
Innovate power quality and quality data enabling better management of LV connected DERs.

Collaborative Control
Empowers the field and control center to collaborate across the low voltage network.

Automatic Outage Dispatch to Mobile
Automating the operations that need to take place at LV, thus resulting in less manual work. Automating processes so it is not as big a burden to actively manage their LV.

Spatial and connectivity awareness across voltages
Making Your LV Network Visible & Actionable
Full operational visualization and status of LV network and enabling operation of smart network devices.

Get a Clear View of the Low Voltage Network
Spatial and connectivity awareness across voltages

• Increase visibility of the real-time operational state for central and remote operators.

• Enhance de-centralization control by automating dispatch of LV outages with no operator involvement.

• Maintain quality of service to consumers while sharply decreasing maintenance costs.

• Increase field mobility of utility personnel.

• Rapidly detect power outages and power disturbances, facilitating quick restoration and minimizing interruption time for consumers.

Your Network in Your Pocket
Latest operational and status updates empower informed field crew decisions via connected mobile devices.

Understanding & Leveraging DERs
Innovate power quality and quality data enabling better management of LV connected DERs.

Collaborative Control
Empowers the field and control center to collaborate across the low voltage network.

Automatic Outage Dispatch to Mobile
Automating the operations that need to take place at LV, thus resulting in less manual work. Automating processes so it is not as big a burden to actively manage their LV.

See what GE Digital can do for your utility
www.ge.com/digital

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