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.

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 end customers while driving down costs.
• Improved field mobility of utility personnel.
• Improved field crew safety, in the face of potential hazards from non-isolated power sources under fault conditions.
• Rapidly detect power outages and power disturbances, facilitating quick restoration and minimizing interruption time for consumers.

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

Understanding & Leveraging DERs

Understanding DERs increases visibility and quality data enabling better management and control of LV connected DERs.

Collaborative Control

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

Making Your LV Network Visible & Actionable

Full operational visibility and status of LV network enabling remote and smart network devices.

Your Network in Your Pocket

Latest operational and status updates empower informed field crew decisions via connected mobile devices.

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.

Find Out More

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See what GE Digital can do for your utility