Specific Documentation for
Gridscale X™ LV Management

LV Management (siemens.com/lv-management) is a modern low voltage management Cloud Service that enables users to monitor and control their low voltage grids and supports workflows around outage management.

This Specific Documentation for Gridscale X™ LV Management sets forth and amends the General Documentation for Gridscale X™ Cloud Services solely with regard to the Cloud Services of Gridscale X™ LV Management ("LV Management").

Specific Documentation

General

Value Proposition	LV Management supports distribution system operators in three main areas:
	1. **LV Grid Digitalization** – Digitalize fast and efficiently.
	• Choose the best spot for onboarding digital equipment and expand your grid insights & control capabilities.
	• Create and maintain an accurate grid model, in compliance with CIM standards.
	• Guided and automated RTU onboarding process.
	• Integrate IoT & standard control protocols
	2. **LV Outage Resolution** – Resupply faster & raise customer satisfaction.
	• Improve quality indexes via faster outage identification and restoration.
	• Unplanned & Planned Outage workflows, guiding the operator in every step.
	• Automatic prediction of outage location and impact.
	• Guided restoration with system validated switching proposals.
	• Active LV grid management with full grid transparency and awareness.
	3. **LV Grid Stabilization** – Operate the grid closer to its limits.
	• Defer grid investments and reduce OPEX by maximizing asset usage and avoiding transformer overloads.
	• Automated Transformer Overload identification & guided step by step resolution.
	• Optimize grid topology and leverage controllable DERs to avoid constraint violations and balance demand during peak hours.

Prerequisites

Use Restriction	Customer acknowledges that insights provided by LV Management are limited to the grid model based on the Asset Data, connectivity information, mapping of entities and telemetry provided by the Customer and results may not fully correspond to the real-world situation. The interpretation, implementation and utilization of reports and proposed solutions is the sole responsibility of the Customer.
	Siemens does not assume any liability, warranty, or guarantee for the feasibility or usability of reports and proposed solutions, nor for actions or omissions based on the reports, concepts, proposals or recommendations.
	The system may, despite all the quality assurance measures, in rare cases erroneously output wrong or untimely values or commands. Customer must take appropriate safety measures to prevent harm. Requirements for protection measures on field level must be clearly communicated to network operators.

Limitations

API Limits	API Limits included in the Gridscale X LV Management Cloud Services Packages will be provided.