GRID SOFTWARE UNIVERSITY

Gridscale X LV Insights®
Course Catalogue

Document :   GSW-U-LVIX

Contents

1. Gridscale X LV INSIGHT® Training

1.1 Introduction

Employee development is a key factor in mastering the energy transformation and digitalization challenge. Siemens understands the importance of having adequately trained personnel for reliable and safe distribution network management and operation.

Siemens has developed a broad set of courses specifically to train our customer on GridScale X LV Insights, as well as on operational and situational aspects related to distribution control centers. Our training program utilizes a hands-on approach integrating a role-based methodology throughout the curricula.

1.2 Training Program

LV Insights X Training Courses are arranged into categories based on common roles and responsibilities of the typical electrical power utility business. This structure is offered as a guideline to assist customers in developing the best training plan with the support of Siemens for their employees, thereby providing a value-added approach.

Gridscale X™ LV Insights Overview – Provides a high-level overview of the system, it is primarily for Project Managers, Senior Management, and administrative support personnel who require a comprehensive high-level overview or introduction of the LV Insights X system.

Gridscale X™ LV Insights Operator– Operator/Dispatcher training typically planned in coordination with the project teams for those who need to learn to operate the system.

Gridscale X™ LV Insights Engineer – Technical classes that teach how to enter, edit, and maintain a LV Insights X database and build graphical displays.

Onboarding Boot Camp – Boot Camps or Workshops span a variety of topics and are developed based on customer specific requirements. Workshops are not part of the standard LV Insights X courses. They require special scheduling arrangements and are priced based on requirements and necessary preparation.

1.3 Language

Our courses are available in English, German or Spanish. You can see the available languages in the general information section of each specific course. For classes in any other language, an interpreter might be necessary, and course customization charges might apply. Customers with language translation requirements should contact Siemens Training Department.

1.4 Delivery Methods

Our courses are available via multiple delivery methods:

Classroom	**Instructor-led training session at a formal classroom setting at Siemens**
Remote	Live, Instructor-led training session given via online conferencing tools

On-Site	Instructor-led training session provided at the customer facility in a training environment supplied by the customer
eLearning	Pre-recorded training session provided on demand
Blended Learning	A combination of eLearning and instructor led training
On-The Job	Execute tasks and get hands-on experience, under the supervision of a trainer

You can see the suggested roles in the target audience section of each specific course.

1.5   Training Material

Training materials are specifically developed for LV Insights X training courses. Siemens shall provide all necessary training materials, including course manuals and reference material in hard copy and/or PDF (Portable Document Format) files. Each trainee shall receive individual copies of the training materials. The contents of LV Insights X training materials are confidential and proprietary, and usage is protected by Siemens copyright and to be used for internal use only.

1.6   Course registration and Contact information

Registration requests should be submitted to the Training Center no later than 15 business days prior to the scheduled begin date of any class. To ensure adequate access to the laboratory equipment, enrollment in many of the classes is limited. Seating for classes is reserved in the order that requests are received.

For registration, or if you want to get more information about our courses or have special training requests, please reach out to your local Siemens sales partner, or contact us directly at gridsoftware-training@siemens.com

1.7   Cancellation Policy

Siemens may cancel classes with less than the minimum of five (5) registered students, no less than two weeks prior to the scheduled start of that class. Any enrolled students would be notified of the cancellation and optionally rescheduled for a later offering.

Customer cancellation of student enrollments received less than two weeks prior to the start of the class will be subject to a cancellation fee equal to 50% of the tuition. If an enrolled student fails to appear for a scheduled class, a cancellation fee equal to 100% of the tuition will be charged.

2. Overview Courses

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2.1 Gridscale X™ LV Insights Overview

Objectives

This course describes the purpose and features of the base software applications.

General Information

Course Code	GSW-U-LVX-OV
Delivery Method	e-learning
Duration	1 days
Language	English, German or Spanish

Target Audience

This course is designed as an introduction to GridScale X LV Insights.

Roles: Managers, Supervisors, System Administrators, Software Engineers, Programmer/Analysts/DBA, Operations

Prerequisites

• None

Content

Introduction to:

• LV Insights access, notes and communications.
• General information LV Insights software.
• The user interface.

3. Operation & Dispatching Courses

3.1 Gridscale X™ LV Insights Operator Training

Objectives

This course provides participants with background information and hands-on practice in operating the distribution network system. During the simulation's sessions, participants practice what they have learned. The course is flexible and modular.

General Information

Course Code	GSW-U-LVX-OPER
Delivery Method	e-learning
Duration	2 days
Language	English, German or Spanish

Target Audience

This course is targeted for all who are responsible for observing and operation of distribution network system, control centers and need to operate and handle daily Gridscale X™ LV Insights software product for Distribution System Operators (DSOs).

Roles: Operators/Dispatchers, Operations Engineers

Prerequisites

- •   Participants should be familiar with the basics of a distribution network.
- •   Familiarity with typical Windows operations is also assumed.
- •   You are logged in to LV Insights.

Content

The training will be tailored according to the in-scope functionality and may include:

- • Viewing connection point details
- • Viewing power line details
- • Viewing substation / cable cabinet details
- • Viewing connection request details
- • Analyzing the grid
- • Switching and energizing segments
- • Searching the grid
- • Pinging smart meters
- • Managing cases
- • Simulations

4. Engineering Courses

4.1   Gridscale X™ LV Insights Engineer

Objectives

This course provides participants with background information and hands-on practice in Grid Model Builder. Leveraging existing data, you create a digital model of your grid to monitor its status, identify critical grid segments, simulate grid developments. During the simulation's sessions, participants practice what they have learned. The course is flexible and modular.

General Information

Course Code	GSW-U-LVX-ENGI
Delivery Method	e-learning
Duration	2 days
Language	English, German or Spanish

Target Audience

This course is targeted for all who are responsible for create a digital model of a grid to monitor and handle daily Gridscale X™ LV Insights software product for Distribution System Operators (DSOs).

Roles: Configurating Engineers, Operations Engineers

Prerequisites

- Participants should be familiar with the basics of a distribution network.
- Familiarity with typical Windows operations is also assumed.
- You are logged in to LV Insights.
- You have successfully exported the power grid data from your Geographic Information System (GIS).

Content

The training will be tailored according to the in-scope functionality and may include:

- Using the Grid Model Buidler
- Using the intentional Views
- Simulations

5. Onboarding or Workshops Courses

5.1   Onboarding Boot Camp

Objectives

This bootcamp or workshop provides the onboarding with practical experience preparing and entering Build a digital representation of the physical LV grid into Gridscale X LV Insights, details of integration cases (solution architecture, demo)

General Information

Course Code	GSW-U-<PRODUCTACRONYMS>-OTSW
Delivery Method	Classroom, Remote, On-Site
Duration	1-2 Days
Language	English or German

Target Audience

Data engineers whose responsibilities include the collection of data model to be input into Gridscale X LV Insights, data input, data correction, data integrity, and coordination of data changes.

Roles: Customer Success Manager, Solution Architect, Configuration Engineer

Prerequisites

- Participants should be familiar with the basics of a distribution network and low voltage knowledge.
- Familiarity with typical Windows operations is also assumed.

Content

The training will be tailored according to the in-scope functionality and may include:

- SaaS concept and architecture
- SaaS environment, products and use cases
- Architectural BluePrint
- Onboarding Packages

- Expandability Concept
- Build a grid model
- Connect models with external IT systems.

Change History

Issue Date	Version	Author	Change
01/2025	V 1.0	N Lucena	Initial version
0142025	V 1.1	N Lucena	Marketing formatted version