

SICAM 8 (SICAM A8000 & SICAM S8000) - Basic & Engineering (DEVICE MANAGER) - (Virtual Training) (RTU-BAEDM)

Objectives

The participant will develop an understanding about the productivity of the scalable automation system SICAM 8. The participant gains an overview of the design, most important functions of SICAM 8. Furthermore, the participant acquires knowledge about the basic setup and the basic settings regarding the SICAM 8 automation system. The trainee will be able to set up a SICAM 8 (SICAM A8000 & SICAM S8000) automation systems, create process signals in the engineering tool SICAM Device Manager. He will also learn how to apply and test communication connections to other automation systems and/or SCADA systems, and configure the data flow routing from data acquisition to data output within the system.

Target Group

Engineers and technicians who want to learn how to do the Engineering for SICAM 8 automation systems by using the SICAM Device Manager.

Content

Basic:

- The features of the different automation units, architecture, hardware of SICAM A8000 CP-8000, CP-8021, CP-8022, SICAM A8000 CP-8031, CP-8050, SICAM S8000
- The mode of operation of SICAM A8000 - from data acquisition to data output

Engineering:

- Engineeringtool SICAM Device Manager at a glance - Overview, GUI
- Automation License Manager ALM
- Project- and Device administration
- Device parameterization
- Hardware / Firmware configuration
- Communication (IEC104, IEC61850 Basic (Client & Server), MODBUS RTU Master)
- Signals (via I/O's / Communication / Diagnosis)
- Test and simulation capabilities with SICAM Device Manager as well SICAM WEB
- Practical exercises with SICAM Device Manager, SICAM WEB as well SICAM A8000 device
- Installation and functional overview of SICAM S8000 (from September 2025)

Prerequisites

Knowledge of the most important terms of telecontrol technology as trained in

- [Telecontrol and Automation - Fundamentals \(TOOLBOX II & DEVICE MANAGER\) - Virtual Training](#)

Optional: Various SICAM Product documents / videos

Note

This training can be booked as [FACE-TO-FACE Training](#) too.

CONTACT

If you have any questions, please directly contact the **Power Academy Vienna**

power-academy.at@siemens.com

Mrs. Monika Schuecker

monika.schuecker@siemens.com

+43 51707 31143

Type

Online-Training

Duration

3.5 days

Language

de, en