SIEMENS

Online-Training - SIMOCRANE BASIC Technology V5.0 (CR-SICR-BT5)

Short Description

Engineering and Commissioning Training for SIMOCRANE Basic Technology V5.0.

Objectives

This course is guiding attendants to work with the TIA-Portal global libraries, standard application software and BT-Configurator of the SIMOCRANE Basic Technology V5.0. The software structure, function and standard application as well as BT-Configurator will be introduced in detail. The handling of commissioning for standard applications (e.g., STS Crane) is the focus of this course.

Target Group

- Crane software engineers
- Commissioning engineers
- Application engineers

Content

- Day 1: Getting Started
  - Overview of Hardware and Engineering systems
  - Introduction of PLC and drive configuration
  - Introduction of SIMOCRANE Basic Technology V5.0
  - Introduction of PLC Software (data type, LC Tags, program blocks, libraries and functions)
  - Exercises
- Day 2: SW structure, function and application
  - Introduction of Drive software (DCC-plan, Setpoint-channel...)
  - Standard application example
  - BT-Configurator (Script in STARTER)
  - Exercises
- Day 3: Commissioning and Diagnostic
  - Deepening in PLC software (Control-/Status-word, enable drive...)
  - Deepening in all DCC-Blocks
  - Coupling of Master and Slave axis (Torque, Syncron and Grab)
  - Diagnostics (Interface, signal flow and Trace)
  - Exercises

Prerequisites

The following prerequisites are required
- Basic knowledge of TIA-Portal (S7 Pprofessional, Startdrive, DCC)
- Good knowledge of Sinamics S120,
- Basic knowledge of Crane technology

Note

Type

Online-Training

Duration

3 days

Language

en