
COURSE DESCRIPTION

CHH652 – System 800xA Applications for Minerals Operation

Course goal

The goal of this course is to learn the operation of the Extended Automation System 800xA with AC800M controllers and Minerals Library for minerals applications.

Main learning objectives

The participants will be able to:

- Explain the basic architecture of the System 800xA and the function of the different components
- Understand the signal- and data flow through the system
- Log on into the system
- Utilize the operator workplace
- Explain the basic functionality of graphic displays and faceplates
- Navigate in display structures
- Monitor and control the process objects of the plant
- Monitor the event and alarm lists and acknowledge alarms
- Use trend displays and analyze trend traces

Participant profile

This training is targeted to operators controlling and supervising the plant.

Prerequisites

No special knowledge is required. Basic knowledge of personal computers is helpful.

Topics

- Basic architecture of the System 800xA
- System components and terminology
- Signal- and data flow
- Logon into the system
- Operator interface – operator workplace
- Engineering workplace – Plant Explorer
- Graphic displays
- Display navigation
- Object selection – faceplates
- Operation of
 - Basic objects
 - Consumer objects
 - Group objects
 - Loop objects
- Event- and alarm handling
- Historical data trend displays

Course type and methods

This is an instructor-led course with lectures, demonstrations, interactive discussions and practical exercises.

Duration

The duration is 2 days:

- 8 hours daily for face-to-face classes
- 5 hours daily for remote sessions

Remarks

This course can be delivered at our Learning Center in Switzerland, at your site, or as a remote session.

Course map

	DAY 1	DAY 2
Topics	Welcome, personnel introduction Course overview Basic architecture of the System 800xA System 800xA components and terminology Signal- and data flow Logon into the system Operator workplace Plant Explorer workplace Graphic displays Display navigation Object selection – faceplates Summary of day 1	Review day 1 Operation of Basic objects Consumer objects Group objects Loop objects Event- and alarm handling Event list Alarm list System list Historical data trend display handling Summary Evaluation Course close
Time (face-to-face class)	9:00 am – 5:00 pm	9:00 am – 5:00 pm
Time (remote session)	to be defined	to be defined

Typical course layout (time or sequence may change)