ABB

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
— Use the BMI minerals search tool

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 collection and 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 the 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 collection and trend display handling
		BMI search tool
		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)