COURSE DESCRIPTION

CHH616 – Knowledge Manager Application Engineering

Course goal
The goal of this course is to teach students how to use and manage the Knowledge Manager (KM) effectively and to let them understand the principles of effective system configuration.

Main learning objectives
The participants will be able to:
— Use and manage the Knowledge Manager effectively
— Understand the principles of effective system configuration

Participant profile
This training is targeted to process, electrical and control engineers who are going to maintain the system and use its functions.

Prerequisites
Participants should have basic knowledge of the plant's control system, a good knowledge of MS Windows, data handling and reporting requirements as well as fluent technical English.

Topics
— Explanation and use of the standard features
— Data collection and process data management
— Configuring new channels and signals
— Defining history logs for process data
— Creating calculations for KPIs
— Building and modifying templates and reports
— Production reporting
— Managing stops and downtime
— Downtime reporting and root cause analysis

— Monitoring plant events and alarms
— Introduction to Excel Add-In and statistical production analysis tools
— Managing user access
— Basic system administration

Course type and methods
This is an instructor-led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

Duration
The duration is 5 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	DAY 3	DAY 4	DAY 5
Topics	Welcome, personnel introduction Course overview KM concept System architecture Personal Assistant tour / KM Configuring Operation Reports and Trends in Personal Assistant	Review day 1 Tour of the toolkit Channels Configuring signals Types of logs and their configuration	Review day 2 Logs continued Introduction to templates Building reports: Manual Entries, Mimics, Trends, Production Reports, Daily Weekly Reports and Charts Using limits Configuring templates: scripting and links	Review day 3 Downtime management with KM Defining maintenance counters Auto print setup Security Managing comments, data correction, validation and freezing	Review day 4 Statistical production analysis tools Engineering tools Excel Add-In Project specific requirements Summary Questions and answers Tips and tricks from the trainer Evaluation Course close
Time (face-to-face class)	9:00 am – 5:00 pm	9:00 am – 5:00 pm	9:00 am – 5:00 pm	9:00 am – 5:00 pm	9:00 am – 5:00 pm
Time (remote session)	to be defined	to be defined	to be defined	to be defined	to be defined

Typical course layout (time or sequence may change)