COURSE DESCRIPTION

CHH657 – System 800xA – Creating PG2 Elements Based on Minerals Library GraphiXs

Course goal
The goal of this course is to get an overview of the possibilities how to create graphic elements based on Minerals Library GraphiXs core elements using the Graphics Builder for Process Graphics 2 (PG2) of the Extended Automation System 800xA. Depending on needs of participants additional deeper insight options can be provided.

Main learning objectives
The participants will be able to:

- Understand conversion possibilities from VB to PG2 for user defined graphic elements and faceplates
- Develop user defined core elements based on Minerals Library GraphiXs and PG2 graphic primitives (option)
- Understand design methods and tools within Graphics Builder and Minerals Library GraphiXs
- Understand influences on performance factors
- Understand Minerals Library customization methods
- Understand the PG2 graphic elements preparation for the display migration tool

- GraphiXs core element
- Graphic element based on one or more Minerals Library
- GraphiXs core elements plus graphic primitives (option)
- Graphic element based on user defined core element (option)
- User defined core element (option)
- Generic element based on one or more Minerals Library
- GraphiXs core elements and PG2 graphic primitives
- Design methods and tools
  - Minerals GraphiXs core elements
  - Anchor function
  - Input properties
  - Expression functions
  - Input items
  - Security – write access granted
- Performance issues
  - OPC items – DWORDS
  - Layers (option)
  - Graphic items (option)
- Minerals Library customization
  - General property usage
  - Logical colors
- How to prepare PG2 graphic elements for the display migration tool

Participant profile
This training is targeted to graphics library developers (including those changing from VB to PG2), who are working with 800xA Minerals Library GraphiXs for Process Graphics 2.

Prerequisites
Participants should have a general knowledge of the 800xA Automation System, Plant Explorer structures and its terminology. Basic knowledge of library concepts is needed as well.

Topics
- Converting user defined graphic elements and faceplates based on VB6 and Minerals Library ActiveX to PG2:
  - Graphic element based on one Minerals Library

Course type and methods
This is an instructor-led course with lectures, demonstrations and interactive discussions.

Duration
The duration is 2 days.