

E135

System 800xA with AC 800M

Advanced Field Device Engineering and Maint.

Workshop goal

Efficient handling of field devices starts in the field and ends up in the Human System Interface (HSI). The students learn engineering and maintenance methodologies surrounding HART, PROFIBUS and FOUNDATION Fieldbus technology. The students use System 800xA features and tools to integrate field device information with other plant data.

Learning objectives

Upon completion of this workshop the participants will be able to:

- Compare the use of PROFIBUS, HART and FOUNDATION Fieldbus devices with the standard AC 800M libraries, Minerals (BMI) and Pulp & Paper library.
- Plan, engineer and commission applications with field devices using Bulk Data Manager to interface with DTM technology.
- Use field devices in function diagrams.
- Do the necessary configuration and customization to receive device related alarms and events in faceplates.
- Use Data Direct to create reports containing online and historical device data.
- Adapt commission and maintenance concepts for field devices by customizing workplaces, alarm management, asset monitors etc.

Participant profile

This Expert Workshop is targeted to application engineers, service & support engineers, maintenance personnel and project lead engineers.

Prerequisites and recommendations

Students should have attended the PROFIBUS/HART course T316 (T304) and the FOUNDATION Fieldbus training T317 (T303) or have knowledge and experiences associated with the content of these courses.

The required knowledge can be verified with user assessment modules T710e-10 and T710e-11.



Workshop type and methods

This is an instructor led workshop with short presentations and demonstrations, extended exercises, hands on sessions and discussion.

Duration

The duration is 4½ days.