

E124

System 800xA with AC 800M / Function Designer Improving Engineering Efficiency using BDM

Workshop goal

Increasing the engineering efficiency starts with identifying the critical factors in the engineering workflow with System 800xA. The students learn engineering methodologies and handling of engineering scenarios with the help of Bulk Data Management and Function Designer.

Learning objectives

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

- Identify typical challenges in his/her engineering workflow
- Describe and apply Bulk Data Manager (BDM) concepts and features, including advanced features such as XML interface
- Configure hardware using BDM in different scenarios
- Parameterize signal objects and allocate them with BDM to I/O modules when using Function Designer
- Organize the project structure to facilitate the replication of areas and units in an efficient manner (e.g., copying an area)
- Improve the workflow in dealing with names and renaming issues
- Increase reusability with a combination of templates and object types
- Working with PROFIBUS, HART and FF field devices from application engineers perspective
- Parameterize objects both online and offline data via Bulk Data Manager
- Efficiently handle changes of project data such as parameter changes or template modifications
- Utilize BDM to perform change management of System 800xA configuration data.

Participant profile

This Expert Workshop is targeted to application engineers and project lead engineers.

Prerequisites and recommendations

Students should have attended the Engineering course T315 or have knowledge and experience associated with the content of this course. Basic knowledge of Function Designer is of advantage and can be gained through the course T315F.

The required knowledge can be verified with user assessment module T710e-01.



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.