Course goal
The goal of this course is to learn the Configuration of AC 800M using Compact Control Builder.

Participant profile
This training is targeted to System engineers, commissioning and maintenance personnel, and service engineers working for Channel Partners.

Prerequisites
Students shall know the fundamentals of working with Control Systems and have basic knowledge of Windows and networking technologies.
Learning objectives

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

- Create / Modify a Project
- Configure the AC 800M Hardware and IOs
- Insert and connect Libraries in a Control Project, Create project specific Libraries.
- Learn to create and use Data types
- Design and Configure Application programs by Variety of IEC 61131-3 languages
- Configure Tasks to Programs.
- Configure Inter Application Communication.
- Configure Alarm and Events
- Backup/Restore the complete Control Project

Course Outline

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Course Overview</td>
<td>• Structured text</td>
</tr>
<tr>
<td>• Compact 800 Overview &amp; Installation</td>
<td>• Task Assignment and Memory</td>
</tr>
<tr>
<td>• Control Project</td>
<td>• Control Modules</td>
</tr>
<tr>
<td>• AC 800M Hardware</td>
<td>• Sequential Function Charts</td>
</tr>
<tr>
<td>• Libraries</td>
<td>• Communication</td>
</tr>
<tr>
<td>• Variables and Data types</td>
<td>• Alarm Handling</td>
</tr>
<tr>
<td>• Function Block Diagr</td>
<td>• Backup and Restore</td>
</tr>
</tbody>
</table>

Topics

- Compact 800 Overview
- AC 800M Hardware
- Libraries
- Variables and Data types
- Function Block Diagram
- Structured Text
- Task Assignment / Memory
- Control Modules
- Sequential Function Charts (SFC)
- Communication
- Alarm Handling
- Backup and Restore

Course Duration

The duration is 2 days