M202
Composer Engineering Software Tools

Learn the basic programming functions and features of Composer Automation Architect software.

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.

Student Profile
This course is targeted to students responsible for DCS installation, maintenance, process control implementation, documentation and anyone planning to attend the Human System Interface (HSI) courses.

Prerequisites
Students should have a basic knowledge of process control and operations concepts. Completion of either course M101, Process Control Unit- Rack I/O with WinTools, or M111, Harmony Control Unit – Rack I/O with Composer, is required unless special permission is granted by the instructor. Basic knowledge and usage of applications running on the Windows® operating system is also recommended.

Course objectives
Upon completion of this course the participants will be able to:
- Organize a Composer server/client networking architecture
- Create a project structure in the system architect window based upon a process control architecture
- Configure a Control Logic Document (CLD) using the automation architect tool of Composer
- Load the compiled configuration file to the controllers and perform an on-line configuration change
- Using monitor, trend, and inspect modes, evaluate control loop and controller characteristics by retrieving reports and monitoring values
- Create user folders in the project and utilize macros and shapes in the CLD’s
- Understand the use of Control Logic Templates (CLT) in the creation of a control logic strategy
- Configure a tag list for a console (HSI) utilizing the Tag Synchronization tool with the CLD’s

Main topics
- Symphony/INFI 90 Open control system architecture
- Composer Automation Architect programming and documentation
- Harmony Function Code programming basics
- Symphony/INFI 90 Open system diagnostics and monitoring

Duration
The duration is 5 days
## Course Outline

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Introductions</td>
<td>• Review: questions and answers</td>
<td>• Review: questions and answers</td>
<td>• Review: questions and answers</td>
<td>• Review: questions and answers</td>
</tr>
<tr>
<td>• Symphony/INFI 90 Open overview</td>
<td>• Connect to C-Net</td>
<td>• On-line configuration</td>
<td>• System drawings</td>
<td>• Tag list creation</td>
</tr>
<tr>
<td>• Composer architecture</td>
<td>• Configure a CLD</td>
<td>• Create user macro and shape folders</td>
<td>• Control logic templates</td>
<td>• Miscellaneous tools</td>
</tr>
<tr>
<td>• Create a project</td>
<td>• Compile, load, and verify logic to controller</td>
<td>• Monitor, tune and trend</td>
<td>•</td>
<td>• Open lab</td>
</tr>
</tbody>
</table>

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