Course description

T566
Freelance
System Administration and Diagnostics

Course goal
The course goal is to realize exercises for maintenance, commissioning and installation tasks of the hardware and software modules of the hybrid process control system Freelance.

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

- Setup the Freelance software and optimize system settings for the Windows® operating system.
- Service the Freelance system.
- Analyze and optimize memory management and tasking.
- Use system variables for system diagnosis
- Setup and troubleshoot a communication link via OPC.

Participant profile
Installation, commissioning, service and system management personnel of the hybrid process control system Freelance.

Prerequisites
General knowledge of the Windows® operating system is absolutely necessary. The participants are well acquainted with the topics of the hybrid process control system Freelance course T560.

Topics
- Software setup and installation check
- Optimize operating system parameters for the use with the Freelance system
- Diagnosis methods: Serial and web based
- System time synchronization
- System redundancy
- Module replacement: AC 700F and AC 800F
- System error messages: Message text and sources
- System variables: Memory management, Tasking
- Installation OPC server – client structure
- Microsoft® Excel based reports
- Backup and Restore of project data

Course type and methods
This is an instructor led course with interactive classroom discussions and associated lab exercises. This course imparts the knowledge of installation and system management of the Freelance system based on a lot of examples and exercises. Key aspects are Freelance system diagnostics and troubleshooting.

Duration
The duration is 4 days.
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**T566**

Freelance System Administration and Diagnostics

Course outline

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome and introduction of the participants</td>
<td>Diagnosis methods: Serial and web based</td>
<td>System error messages: Message text and sources</td>
<td>Control Builder F Viewer: Setup and commissioning</td>
</tr>
<tr>
<td>Course Overview</td>
<td>System time synchronization</td>
<td>System variables: Memory management, Tasking</td>
<td>Microsoft® Excel based reports</td>
</tr>
<tr>
<td>Optimize system settings for the Windows® operating system</td>
<td>Module replacement: AC 700F and AC 800F</td>
<td></td>
<td>Backup and Restore of project data</td>
</tr>
<tr>
<td>Setup the Freelance software</td>
<td>Redundancy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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