Course description

Course goal
The purpose of this training is to train the students in the use, configuration and maintenance of the SPH functionality for process information management and analysis.

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

- Explain the architecture of the Symphony Plus Historian system and the function of the different components
- Navigate in the system and create new objects / aspects
- Setup your own navigation structure
- Making use of the default templates for creating trend displays, event filters, graphical display and reports.
- Creating your own templates
- Analyze the status of the system by using the SPH diagnostic tools
- Setup security configuration
- Maintain the system

Prerequisites
The prior knowledge of the participants must consist of:

- Basic knowledge of process control;
- Basic knowledge of SQL databases;
- Basic knowledge and of MS Windows and Excel.

Topics

- SPH General Concept
- Signal Explorer
- Navigator Event Explorer
- Trend Display
- Graphic Display
- Adjust Historical Values
- Reporting
- Use Pocket Portal (Web Client)
- SPH Diagnostic Backup Manager
- SPH Options
- SPH Security
- Calculation Modules
- Basic SPH Troubleshooting
- SPH shiftbook

Participant profile
This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators

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 activities.

Course duration
The duration is 3 days.
# Course outline

### Day 1
- Course overview
- SPH architecture
- Signal explorer
- Navigator
- Event explorer
- Trend displays
- Reporting - basics
- Graphical display
- Pocket portal

### Day 2
- SPH diagnostics
- Backup manager
- Creating SPH logs in 800xA/stand-alone
- Security
- Calculation

### Day 3
- Basic installation client
- Reporting - extended
- Report scheduler
- Pocket portal - configuration
- SPH connect
- Counters
- Shiftbook – basics
- Troubleshooting

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