# US909
# Composer to Symphony Plus Engineering Transition



Learn the new engineering tools in the Harmony control project using the S+ Engineering Workbench.

**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 training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers, and system integrators.

**Prerequisites**
Students shall know the fundamentals of working with control systems, have basic knowledge of Windows and networking technologies, and have attended M111 or S311, and M202 courses.

**Course objectives**
Upon completion of this course the participants will be able to:
- Review the Symphony Plus Harmony System architecture and the function of the different components
- Licensing S+ Engineering
- Load S+ Engineering Workbench
- Navigate in the S+ Engineering Workbench
- Create a new control project
- Use System Topology tool
- Navigate Composer Field
- Use I/O List Management tool

- Set up Virtual PNI for EWS communications to the control network
- Create a Project and console Tag list to export using Composer Operations

**Main topics**
- Symphony Plus Architecture
- S+ Engineering Installation
- S+ Engineering Navigation
- User Management
- S+ Engineering Project
- System Topology
- Composer Field
- I/O List Management
- Virtual PNI
- Composer Operations

**Duration**
The duration is 3 days

**Course Outline**

| Day 1 | Day 2 | Day 3 |
|---|---|---|
| • Course Overview | • Workbench User Management | • I/O List Management |
| • Symphony Plus Architecture review | • S+ Engineering Project | • Virtual PNI |
| • Load S+ Engineering Workbench | • System Topology | • Composer Operations Intro |
| • Workbench Layout | • Composer Field | • Hands-on lab: Exercises |
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