Automation Course Level 2

Siemens track

Liquid Consulting

Course flyer

Automation Course Level 2 builds on Level 1. After this course, attendees should be able to commission and troubleshoot the process modules covered in the course, independently. This track covers Simatic S7 and Beijer HMI, including standard function blocks used on these modules.

WHO SHOULD ATTEND

People with a basic level of experience in the Siemens platform and on these process systems, who have already passed Level 1.

Prerequisites

- Passed Automation Course Level 1.
- Good Microsoft Windows skills.
- Simatic S7 and Beijer e-Designer skills.
- Work experience on the process modules covered in the course.

Duration and languages

Three-day agenda. English, Spanish and Portuguese. Labs use Liquid's mobile PLC and HMI kit.

MODULES

Day 1

- Programming structure used on these process modules
- Phase logic interface
- Step-sequence programming
- Standard function blocks (Siemens)
- Practice examples

Day 2

- Adding new interlocks and running-fault conditions
- Adding new control modules (valves, motors, analog and digital I/O, flow, and similar)
- Communication configuration
- Network-address settings
- Practice examples

Day 3

- Configuring a new I/O module
- I/O addressing
- Beijer e-Designer configuration
- Adding HMI macros and alarms, and configuring HMI user accounts
- Practice examples

LEARNING OUTCOMES

After the course, attendees should be able to commission and troubleshoot the process modules independently, make required automation adjustments, add I/O and control modules, add phase interlocks, and set up trends and network addresses.

Request training

Use the form on liquidconsulting.com/training/automation-level-2/ or write to automation@liquidconsulting.com.