Automation Course Level 1

Rockwell track

Liquid Consulting

Course flyer

Automation Course Level 1 is the foundation course for engineers and technicians who will work on process-module automation. This track covers Logix and Beijer HMI, using RSLogix 5000 and RSLinx.

WHO SHOULD ATTEND

Attendees

- Commissioning and field engineers with a basic level of process and automation experience.
- Plant staff: the automation lead, maintenance technicians, and controls engineers.

Prerequisites

Good computer skills and a basic electrical and technical understanding.

Duration and languages

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

MODULES

Day 1

- Basic automation theory
- Platform components (Rockwell)
- Programming-software overview (RSLogix 5000)
- Communications overview (RSLinx)
- Practice examples

Day 2

- PLC programming instructions
- An overview of the programming conventions used on these process modules
- Online editing of PLC code
- Beijer HMI overview
- Practice examples

LEARNING OUTCOMES

After the course, attendees should be able to set up communication with the PLC and HMI, get online, upload and download programs, operate the programming software, follow programming instructions, debug interlock and phase conditions when a machine is stuck on a step, and make basic online edits.

Request training

Use the form on liquidconsulting.com/training/automation-level-1/ or write to automation@liquidconsulting.com.