

CONTROLLOGIX ADVANCED

The course has been designed to further students knowledge of the Allen Bradley ControlLogix PLC controllers after they have attended a Maintenance course.

The student will be able to structure and create advanced programs, configure the communications hardware and write a routine that will communicate to drives

OBJECTIVES

To introduce students to the concepts and operation of Logix programmable controllers, including the following areas:

- ✓ Structuring programs.
- ✓ Creating User defined data .
- ✓ Function Block Diagram.
- ✓ Program using SFC.
- ✓ data types.
- ✓ Using routines for time intervals.
- ✓ Controlnet and Devicenet communications.

COURSE CONTENT

- ✓ Review of Hardware configuration.
- ✓ Review of Program Structure and tags, and monitoring techniques.
- ✓ Program design, structuring and testing methods.
- ✓ Using Function block diagram to program.
- ✓ Jump and accumulator function, including status bit.
- ✓ Review of Data types.
- ✓ Word Logic and Maths functions.
- ✓ Drive communications interface with the PLC on devicenet.
- ✓ Routines blocks for errors.
- ✓ Controlnet communications.
- ✓ Using SFC to program.
- ✓ Student advanced programming exercise.

Course Reference
ABCLXADV

Course Duration
4 Days

Documentation
Allen Bradley
ControlLogix PLC
Advanced Training manual

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