

## ALLEN BRADLEY COMMUNICATIONS

### Allen Bradley/ Rockwell Communications Course

The course has been designed to familiarise students with the many different communication options, when using Allen Bradley controllers. Each communication option will be explained and demonstrated, then a total network will then be created by the student. The student will be able to interrogate the software program and hardware and determine network faults.

The student must have attended a maintenance course or Higher, or have previous Allen Bradley experience.

### Objectives

To introduce students to the concepts and operation all the Allen Bradley communication options, including the following areas:

- ✓ Structuring programs of the program.
- ✓ Profibus communications
- ✓ Ethernet Communications
- ✓ DH+ and DH485 communications
- ✓ Devicenet comms
- ✓ Controlnet Communications
- ✓ Communications to drives
- ✓ Communication to other PLC's
- ✓ HMI networks

### COURSE CONTENT

- ✓ Program Structure for communications.
- ✓ I/O networks
- ✓ PLC to PLC ControlLogix and PLC5
- ✓ PLC to Drives
- ✓ Ethernet communications for:
  - ✓ PLC to PLC
  - ✓ PLC to HMI
- ✓ Profibus communications between PLC's and drives
- ✓ Profibus Allen Bradley to other manufactures PLC
- ✓ DH+ and DH485 communications.
- ✓ Communications to HMI's
- ✓ Student project

**Course Reference**  
Allen Bradley/ Rockwell  
Communications Course

**Course Duration**  
3 Days

**Documentation**  
Allen Bradley  
Communications Manual.

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