

## SLC 500 MAINTENANCE

### Allen Bradley / Rockwell SLC-500 Maintenance Course

The course has been designed to familiarise Maintenance Engineers and Electricians with the many different aspects associated with the operation and maintenance of Allen Bradley SLC-500 controllers. Where possible, application specific exercises, actual drawings and programs listings are used to allow the students to gain the greatest possible benefit from the course.

#### Objectives

The students will be able to perform the following:

- ✓ Locate and replace faulty modules.
- ✓ Reload programs.
- ✓ I/O Fault finding.
- ✓ Interpret and understand basic ladder logic.
- ✓ Implement changes to the program.
- ✓ Using RSLogix to connect online and monitor programs to determine plant problems.

#### COURSE CONTENT

- ✓ Introduction to the SLC-500 range.
- ✓ I/O module and interfaces.
- ✓ Addressing and file types.
- ✓ Program Structure, ladder files and the JSR function.
- ✓ Creating a project with RSLogix.
- ✓ Hardware configuration.
- ✓ Select the drivers for communications via RSLinx.
- ✓ Downloading the project.
- ✓ Online monitoring and searching with RSLogix.
- ✓ The Basic instruction set. Relays, timers & counters.
- ✓ Maths functions.
- ✓ Customised data monitoring.
- ✓ Analogue modules and analogue scaling.
- ✓ Data monitoring using the data table.
- ✓ Forcing techniques.
- ✓ Further in instruction. Compare, moves and limits.
- ✓ Program documentation and database.
- ✓ Searching the comment database.
- ✓ Introduction to communications with DH485, DH+ and Ethernet.
- ✓ Introduction to the MSG function for communications.
- ✓ Histograms.
- ✓ fault finding principles and procedures.
- ✓ Application exercises on your plant programs.
- ✓ Trending.

**Course Reference**  
AB500M

**Course Duration**  
4 Days

**Documentation**  
Allen Bradley SLC-500  
Maintenance Training  
Manual.

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