

# COURSE DESCRIPTION

## Programmable Controller Systems

### SLC-500 Maintenance Part 2, with RSLogix500 Software

#### Course Objectives

At the end of the course the delegate will be able to:

- Create a new SLC-500 project application file
- Add, modify and remove I/O cards in a project
- Create, add and modify ladder logic routines
- Add and interpret the specific mathematical instructions
- Correct a mathematical overflow using processor status
- Add and interpret the specific logical instruction and compute instructions
- Scale analogue signals to engineering units.
- Fault find a system with I/O problems

#### Topical Outline

- Creating a new SLC-500 project application file.
- Adding, modifying and removing I/O cards in a project.
- Creating new ladder logic routines.
- Adding and modifying basic rungs of ladder logic.
- Adding and interpreting the specific mathematical instructions.
- Correcting a mathematical overflow using processor status
- Adding and interpreting the specific logical instruction.
- Adding and interpreting the compute instruction.
- Scaling analogue signals to engineering units.
- Fault finding a system with I/O problems.

#### Duration

2 Days



### COURSE NUMBER: 1203

#### Course Purpose

As machine or production requirements change, enhancements to an existing control system may be required. This course builds on SLC-500 Maintenance Part 1 (1003), and details the steps involved in performing modifications to existing projects, as well as, how to interpret a selection of advanced instructions. A fault finding exercise is also included to challenge the delegates to use the information learnt during the week.

#### Who Should Attend

This course is designed for individuals who are responsible for troubleshooting, enhancing and maintaining a control system based on any of the SLC-500 range of programmable controllers.

#### Prerequisites

This course is a continuation to course GBR1003, "SLC-500 Maintenance Part 1, with RSLogix500 Software". Delegates should be comfortable with the topics covered in this course.

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