

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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