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<b>Software</b>	RSLogix 500
<b>Duration</b>	5 Days
<b>PLC-Type</b>	Allen Bradley SLC500 PLC
<b>Pre-Requisites</b>	Attended SLC500 Basic course or be fully conversant with SLC500 Basics
<b>Maximum Delegates</b>	6

## Brief Description

- \* Be able to troubleshoot an complex SLC 500 PLC system in a competent and confident manner.
- \* Be able to configure SLC500 hardware and be able to network PLCs
- \* Be able to write simple programs and understand complex prewritten code
- \* Understand advanced instruction set and be able to make major modifications to software.
- \* Be responsible for plant backup policy, taking backups on a regular basis
- \* Be able to perform advanced system diagnostics when a problem occurs.

## Course Documentation

- \* Training Log
- \* Pre Course Exercises
- \* Course Exercises
- \* Post Course Exercises
- \* Filofax Pocket Reference Guides

## Course Content

HOW DO I DO THE FOLLOWING? (some straight forward some not so)

- \* Design a PLC system from scratch, power requirements, I/O types, networks
- \* Use remote I/O systems, Flex I/O, RIO adapter
- \* Advanced I/O configuration, M and G files
- \* Design and Configure networks, DH485, DH+ or Ethernet.
- \* Use and configuration of networking instructions MSG etc.
- \* Understand communications port parameters and be able to interface to devices, PanelView etc.
- \* Communications Diagnostics Files
- \* Use of RSLinx to extract data from PLC to Excel spreadsheet.
- \* Interrogation via RSLinx
- \* Using Internet Explorer to access embedded web pages, SLC 5/05 processors
- \* Understand intermediate and advanced instructions
- \* Create library files, copy and paste blocks of code
- \* Use of advanced system functions, real time clock, timed interrupts etc
- \* Direct interrupts
- \* Use of ASCII to communicate with external devices

## Equipment

- \* SLC500 PLC
- \* PC or Laptop
- \* Simulator

*Solutions, Not Courses.*