

HANDS-ONPLC **troubleshooting, maintenance, & programming** **using RSLogix™ software**

Hands-On PLC Troubleshooting Maintenance, & Programming Using RSLogix™ Software



Training Description:

The leader in PLC applications in the United States is Allen Bradley. We utilize SLC 5/02 processors and RSLogix™ software in our hands-on programming section. The student is first introduced to the common screens of both RSLogix™ and RSLinx™. Once the student is familiar with the common screens the class advances to entering simple programs, monitoring these simple programs, and modifying/editing the existing programs. As the program progresses the labs become more complex. The students are encouraged to work at their own pace while being assisted by the instructor. The students are shown how to recover from a power failure, upload and download programs, and set up reporting for troubleshooting when the need arises.

Training Benefits:

- Increase knowledge of major functional components of the Allen-Bradley SLC 500.
- Develop advanced troubleshooting skills.
- Understanding RSLogix™ software.

Prerequisite: None
Standard Class Size: Up to 14
Program Length: 18 hours
CEU s: 1.8

Training Topics:

WHAT IS A PLC

- Configurations
- Integral
- Modular

COMPONENTS OF A PLC

- I/O Modules
- CPU
- Power Supply
- Programming Devices

PROGRAMMING

- Instruction Set
- Examine On & Off
- Addressing
- Program Execution
- Scan Cycle

UNDERSTAND PLC TROUBLESHOOTING METHODOLOGY

- "Check the lights!"

PROGRAMMING DEVICE INTRODUCTION

- Using Computer to Interface
- Programming Menus
- Menu Organization & Layout

INSTRUCTIONS AND EXERCISES

- Internal Bits
- File Exercises
- Latch & Unlatch
- Timers & Counters

ADDITIONAL REFERENCES

- More Instructions
- PLC Wiring
- Tracking Bits for Troubleshooting

CLASS DISCUSSION AND REVIEW



We Improve Workplace Safety & Performance

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800.242.6673