

Troubleshooting with the PLC 5, SLC 500 and MicroLogix using Allen-Bradley's RS Logix

A Maintenance & Engineering Training Seminar

Atlanta Schedule: **Apr 15-17, 2009** [Register Now](#)

Also see online, our [St. Louis, MO](#) & [Denver, CO](#) Seminar Schedules

... or inquire about our [On-Site PLC Training](#)

What you will learn ...

- **Basic use RSLogix™ Software**
 - Starting RS Linx™ and RS Logix™
 - PC to PLC Communications
 - Working efficiently with tool bars
 - On Line and Off Line Operation
 - Quickly compare PLC program copies
 - Communicating with the PLC
 - Burning the EPROM
 - Find your way around in large PLC programs
 - Using Rs Logix™ as your second troubleshooting partner
 - Forces Enabled/Disabled safety
 - Data files and subroutines
 - How to find your own answers using software
 - Questions from the audience
- **PLC Ladder Logic**
 - Is it normally open or normally closed?
 - A basic rung of logic
 - RS Logic Instruction types
 - MCR, JSR and basic structure of a PLC program
 - Adjusting Timers and Counters
 - What is integers, binary, floating point data memory areas.
 - symbols and rung descriptions
- **Standard Operating Practices (SOP)**
 - Backing up your PLC programs
 - Protecting your PLC programs
 - Reliable operating procedures
 - EPROM for zero downtime
 - Documenting change
 - Safety while troubleshooting
 - File Management
 - Downloading and Uploading
- **Troubleshoot Actual Problems**
 - Basic troubleshooting theory
 - The most common problems
 - Relating your PLC program to the real world
 - Tracing and monitoring input and outputs
 - How to recover quickly from lightning and other power problems
 - Actual troubleshooting exercise
 - Using Rs Logix's™ Advanced Diagnostics

What you will receive ...

- World Class Training
- Hands On Experience
- Classroom Handouts
- A copy of the Power Point
- Certificate of Achievement
- Follow up support by email
- A PLC Simulation CD
- Challenge workshop attendees receive more advanced programming examples
- The confidence to continue to learn and more.

We are a **Strategic Training Partner** for the Association for Facilities Engineering (AFE) and provide AFE members a 10% discount.

Note: Seminar Ends 4:30 Friday, book travel accordingly.
(Saturday Travel recommended, if not staying for ControlLogix class the following week.)

Atlanta Schedule: [Register Now](#)
Apr 15-17, 2009

Also ask about our [On-Site Training](#)

Business Industrial Network will be hosting the best Allen-Bradley RS Logix™ PLC training your maintenance and engineering personnel can get. How? Business Industrial Network will provide their leading expert on Allen-Bradley™ Programmable Logic Controller (PLC) troubleshooting as your instructor. (1.6 CEU)



This three day seminar is based on the same onsite customized PLC 5® and SLC 500® PLC training course used to reduce downtime in FDA regulated manufactures, Government Facilities and Fortune 500 companies through out the United States. This PLC course is not just text book PLC instructions, but practical knowledge and case examples based on years of experience.

This PLC course will offer information your people will actually use out on the shop floor. A crash course in how to reduce downtime while working with Allen-Bradley's Rs Logix™ PLC 5® and SLC 500® software. Day 3 of this seminar is our "**Challenge Workshop**".

Note: *The Challenge Workshop is a full day hands on challenge, either assigned by one of the instructors or choose your own challenge. Choosing your own challenge is where the instructors will help you get started on a programming challenge you need to apply in your own facility.*

To offer you the greatest return on your PLC training investment this seminar is focused on ...

- **Troubleshooting**
- **Reducing Downtime**
- **Safe and Reliable Procedures**
- **No Sales, Unbiased PLC Training**
- **Class Size 10, Greater Knowledge Transfer.**
- **Continuing Self Education**

The instructor for this seminar will be Donald B. Fitchett, who has not only been teaching about PLCs for over a decade and has designed and implemented world class training programs around the world. Don will also bring to this seminar his expertise on the true cost of downtime to stress the importance of quick reliable troubleshooting. *Instructors will roam the class helping all attendees keep up with the course outline and hands on application.*

Customer Comment ...

"Our skill levels ranged from expert to beginner and no one was left behind. Tell Don I said hello when you speak with him. This guy is good."

Ross Thomas, Jr
BNFL
K33 Decon/Final Survey Building Ops Manager

Seminar Location ...



[Click picture online for hotel details .](#)

**Just 1/4 mile from the
Stone Mountain
Conference Center**

Atlanta, Georgia

As a less expensive alternate, reservation may be made at the [Country Inn & Suites](#). Country Inn is where training seminar will be held and is only 1/4 mi from Stone Mountain Conference Center. Seminars end on Friday, so your can reward your self by visiting Stone Mountain afterwards.



For MORE Atlanta, GA. visit www.bin95.com/AB_RSLogix_Seminar.htm

With a class size of 10, these fill up quickly.

Extend this course with our 4 day **AB ControlLogix Course !!**



We have scheduled our RSLogix 5000 / ControlLogix course back to back with the above PLC Troubleshooting course, so you can take both and save on travel cost! You can take the 3 day PLC course, take a 2 day weekend to absorb material you learned, then jump in to the 4 day ControlLogix course that starts the following Monday. A complete solution to understanding all Allen Bradley's PLCs.

Hands-On Control Logic Training with ControlLogix and RSLogix 5000 Software

NEW A Control Logic Training Seminar for Maintenance & Engineering
Atlanta Schedule: **Apr 20-23, 2009** [Register Now](#)
... or consider our [On-Site PLC Training](#)

What you will learn ...

- **ControlLogix Day 1**
 - ControlLogix Overview
 - RSLogix 5000 Introduction
 - RSLogix 5000 Project Basics
 - RSLogix 5000 Tasks, Programs and Routines
 - RSLogix 5000 Programming Basics
 - RSLogix 5000 Communications
 - RSLogix 5000 Discrete I/O
- **ControlLogix Day 2**
 - Adding PLC Analog I/O
 - Basic Relay Type Instructions
 - Editing Ladder Logic
 - Timers and Counters
 - Arrays and UDT's
- **ControlLogix Day 3**
 - RSLogix 5000 Documentation
 - RSLogix 5000 Program Control
 - RSLogix 5000 Comparison and Basic Math Instructions
- **ControlLogix Day 4**
 - Searching and Trending
 - ControlLogix Indicators
 - Troubleshooting with ControlLogix
 - Tag Database Diagnostic Bits
 - Forcing I/O in ControlLogix
 - Practice programming and documentation exercises

What you will receive ...

- World Class Training
- Hands On Experience
- Classroom Handouts
- Certificate of Achievement
- The confidence to continue to learn and more.

[\(Register for Atlanta, GA now\)](#)

We are a **Strategic Training Partner** for the Association for Facilities Engineering (AFE) and provide AFE members a 10% discount.

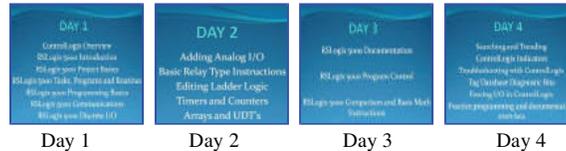
Note: Seminar Ends 4:30 THURSDAY, book travel accordingly.
(FRIDAY Travel recommended)

Atlanta Schedule: [Register Now](#)
Apr 20-23, 2009

Or see our [On-Site Training](#)



Through our partnership with ITI, we are offering this hands-on ControlLogix Systems and RSLogix 5000 software training, utilizing ITI's ControlLogix trainers.



Please Click above respective graphic online to see curriculum details for that day.

This hands-on course starts with an overview of the **AB ControlLogix system architecture** and an introduction of **RSLogix 5000 software**. Then the fundamentals of editing ladder logic and an introductory look at the Routines and the Tag Database are covered. Next students are introduced to program control instructions, comparison and math instructions, along with the importance of documenting an RSLogix 5000 project. Students will then move on to configuration of the **PLC analog Input/Output modules**, and the advanced features available in the Tag Database.

After building this firm foundation in the AB ControlLogix hardware and RSLogix 5000 software, students move on to ControlLogix troubleshooting where they learn about two RSLogix 5000 tools that can be used in troubleshooting: searching and trending. Status indicators on ControlLogix I/O and communication modules are also covered in the ControlLogix troubleshooting part of this course.

Highlights of this ControlLogix and RSLogix 5000 Course:

- **Hardware and Software Basics**
- **Communications**
- **Programming Basics**
- **Troubleshooting, PLC Analog Input/Output**
- **Trending, Arrays, Tag Database**
- **Class Size 10, Greater Knowledge Transfer.**

Prerequisite: We Strongly recommend that you participate in our 3 day PLC Troubleshooting course before taking this 4 day ControlLogix course to get a clear understanding of Allen Bradley's legacy PLCs and working with PLCs safely and reliably while reducing downtime.

Seminar Location ...



**Just 1/4 mile from the
Stone Mountain
Conference Center**

Atlanta, Georgia

<Click picture for resort details .

As a less expensive alternate, reservations may be made at the [Country Inn & Suites](#). Country Inn is where the training seminar will be held and is only 1/4 mi from Stone Mountain Conference Center. Seminars end on Friday, so your can reward your self by visiting Stone Mountain afterwards.

For MORE details of this course, please see www.bin95.com/seminars/control_logic_5000.htm

With a class size of 10, these fill up quickly. (Apr 3rd registration Deadline.)

All trademarks and trade names are property of their respective owners. We are in no way affiliated with Allen Bradley and do not promote any vendors during our training seminars.



REGISTRATION FORM



For PLC 5 - SLC 500 Troubleshooting course AND for ControlLogix course

Atlanta Schedules: Apr 15-17, 2009 and Apr 20-23, 2009

Also see our [St. Louis, MO](#) & [Denver, CO](#) PLC Troubleshooting Seminar Schedule ... or consider our [On-Site PLC Training](#)

Seminar Fee ...

\$1170 per attendee for SLC500/PLC5
\$1680 per attendee for ControlLogix
\$2730 per attendee for both courses above

Registration Methods ...

- 1) **Online** (This page)
- 2) **Fax** (573) 547-6153
- 3) **Phone** (573) 547-5630
- 4) **Mail** this form to ...
Business Industrial Network
2 Cityplace Drive, Suite 200,
Saint Louis, MO 63141
- 5) **Email** all form information to
Training@bin95.com

Seminar Location ...

Country Inn & Suites, Stone Mountain, Atlanta, Georgia
1852 Rockbridge Road, Stone Mountain GA 30087

[Click for hotel website/](#) Phone (770) 465-6515

Note: Seminar Ends 4:30, book travel accordingly. (Travel next day recommended)

Accommodations ...

Seminar fee does not cover meals, travel or hotel. *Lunches and snacks are on us.* Also check back for hotel discounts.

Schedule ...

8:00am - Class Starts
12:00 - 1:00pm Lunch
4:30 - Class Ends

We are a Strategic Training Partner for the Association for Facilities Engineering (AFE) and provide AFE members a 10% discount. (1.6 CEU)

- Thank You -

Billing Contact:

Name:

Title: Email:

Company Name:

Address:

City: Zip: State/Prov:

Phone: Fax:

- 3 Day **PLC Troubleshooting** Course, Date: Apr 15-17, 2009 (\$1170)
 4 Day **ControlLogix** Course, Date: Apr 20-23, 2009 (\$1680)
 7 Days Training **Both** Courses Above, Dates: Apr 15-17, & Apr 20-23, 2009 (\$2730)

Seminar Attendees:

Name: Title:

Name: Title:

Name: Title:

Name: Title:

Loaner laptop with RSLogix software will be provide.

Payment Method: Amount to be charged **per attendee** is indicated by course selection above.

Please enter your credit card information below before submitting this secure form. You will also need to submit this form with contact information above filled out when paying with Check. When paying by PO, please fax copy to 573-547-6153

- Visa MasterCard AMX Check Enclosed (pay to Business Industrial Network) PO Copy Sent

Card Number:

Expiration Date: Card Code?:

Name as appears on Card:

Signature:

The total will be cost of each course selected, times the number of attendees you are registering.

Additional Information: This seminar is a great asset for the cross training of maintenance personnel, including mechanics, engineers, and IT professionals. Before attending the 4 day ControlLogix course, it is recommended that you first complete our 3 day PLC troubleshooting course or have had our On-Site PLC troubleshooting training. If you are a member of AFE, please indicate so in name field. Cancellations may apply their fees to our other training classes.

Registrants may receive additional information and updates via their email address.

FOR MORE DETAILS, visit www.bin95.com/PLC_Training_registration.htm

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