

★ **BRING US TO YOUR FACILITY** ★

Or Check Our Website For Classes Near You

Programmable Logic Controllers

using

**Allen-Bradley Control Logix™ PLCs
and RSLogix 5000™ Software**



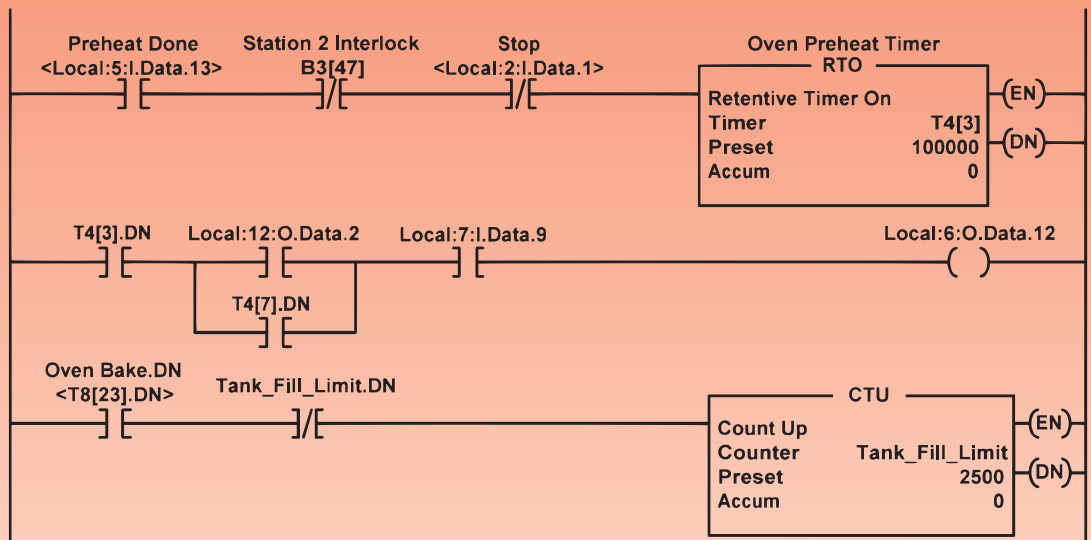
Learn the software and hardware basics used on the entire Logix 5000™ family of controllers:

**ControlLogix™, SoftLogix™, FlexLogix™,
CompactLogix™, DriveLogix™**

*Not Affiliated With Rockwell Automation

Hands on training using our simulators with ControlLogix™ controllers and RSLogix 5000™ on laptop computers. Group size limited to two persons per training station.

Three days of intensive "Hands-On" training for anyone wishing to understand RSLogix 5000™ software and the Logix 5000™ family. You will be able to immediately use what you learn in this class!!!



"Everything I needed to know was included in this class. I highly recommend this class for anyone with ControlLogix™ or planning to purchase any Logix 5000™ family processor or software."

-Tony Reed, Scada Systems Manager, City of Asheville, NC

"This training is going to be incredibly useful. Thank You."

-Freddie Salazar - Sara Lee



Impact
Training Services, Inc.

Training that "WORKS"™

(502) 252-9128 or www.impactu.com

"ONE OF THE BEST TRAINING CLASSES I'VE EVER BEEN TO! EXCELLENT ALL THE WAY AROUND."

DREW CHURCHILL - PORTSMOUTH NAVAL SHIPYARD

Limited
Class Size

CONTROL LOGIX™ PLCs AND RSLOGIX 5000™ SOFTWARE

COURSE OUTLINE

Hands-On
Throughout

THE LOGIX 5000™ FAMILY

ControlLogix™, SoftLogix™, FlexLogix™,
DriveLogix™, CompactLogix™
Producer/Consumer Model
Connections, Multicasting

CONTROLLOGIX™ PLATFORM

Controller - Specifications
32 Bit Architecture
Memory, Program & I/O Scan
Program/Fault Control Of Outputs
Communications Options

Input/Output Boards

Configuring
Comm Format - Ownership
Requested Packet Interval
Electronic Keying

Backplane

Networking Capabilities

RSLOGIX 5000™

Using & Understanding
What You Need To Know
Controller Organizer And Other Windows
Project And Tag Windows
Secrets, Hints, Tips
Creating Projects
Saving Projects
Uploading/Downloading

DATA TYPES

Atomic Types

BOOL, SINT, INT, DINT, REAL

Structured Data Types

Module Defined, Pre-defined
User Defined, Strings

Defining & Creating User Defined Data Types

BUFFERING DATA

Input Buffering
Output Buffering
Main Routine

TAGS

Base, Alias, Produced, Consumed
Tag Scope - Controller, Program
I/O Tags
Creating/Editing Tags
Manipulating the Edit/Monitor Tags Windows
Looking At Data
Tag Arrays

BASIC INSTRUCTIONS

Bit Instructions

XIC, XIO, OTE, OTU, OTL

Timer/Counter/Instructions

TON, TOF, CTU, CTD, RES

Program Execution Rules and Differences

TASKS, PROGRAMS, ROUTINES

Tasks

Continuous, Periodic, Event
Creating/Editing, Deleting
Assigning Priorities

Programs

Creating/Editing/Deleting
Scheduling

Routines

Main, Fault, Subroutines
Ladder Logic, Function Block, Others
Creating/Editing/Deleting

TROUBLESHOOTING & MAINTENANCE

Forcing I/O

In The Program
In The Tag Window

Toggling Bits

Online Editing

Changing, Inserting, Deleting-Rungs

Documentation

Search Commands

Troubleshooting The Controller

Using A Voltmeter
Using The Module Indicator Lights
Using The Program
Testing I/O Points

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BRING ANY OF OUR CLASSES TO YOUR FACILITY

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