

# European Training Prospectus 2011

# Installing and setting up a WebCTRL system

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This class is aimed at field technicians, engineers, or other employees at an ALC dealership who need to install and commission a WebCTRL system.

- Prerequisites:** To profit from this course, you should have
- 3 months field experience installing and setting up a WebCTRL system
  - Windows experience

- Class Schedule:** Option 1: Monday through Thursday (consecutive)  
Option 2: Monday and Tuesday (Part 1), Wednesday and Thursday (Part 2)\*

\*Prerequisite: *completion of part 1*

- Objectives:** After successfully completing this course, you will be able to use AutomatedLogic's WebCTRL suite to quickly and efficiently:

- Start-up a basic ALC WebCTRL system,
- Perform basic system and network troubleshooting,
- Edit databases, control programs, and graphics for your system.

- Class size:** 8 total, limited to 3 students per dealership per class. Minimum of 4 students registered for class to go ahead.

## Course Outline:

### Part 1 - Day 1

Build and install a simple WebCTRL system

- Hardware
- Network
- Software

### Part 1 - Day 2

Install and modify an existing system

- Install a system on the WebCTRL server
- Decipher a control program
- Modify a control program
- Get your logic changes into your database
- Check/update all module drivers
- Set your ME-LGR's IP address
- Download memory through the network
- Assign inputs and outputs to points
- Copy a control program's properties
- Commission a graphic

## Installing and setting up a WebCTRL system - Continued

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### Part 2 - Day 3

Networks and routers

- Troubleshoot an IP network
- Set up BBMDs
- Troubleshoot ARC156 networks

### Playoffs

Install, troubleshoot, and commission a sabotaged WebCTRL system

### Part 2 - Day 4

Request-based control

- Build heat and cool source trees
- Combine database clippings into one system
- Create and modify a trend graph
- Set up alarm actions

For more information contact Greg Arden at [garden@automatedlogic.com](mailto:garden@automatedlogic.com)

## Creating a WebCTRL system

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This class is aimed at project engineers, project managers and will focus on using the latest version of the WebCTRL software suite to take a project from a sales turnover meeting through the engineering process to a completed system ready for installation by a field technician.

- Prerequisites:** A working knowledge of HVAC systems and controls
- Installing and setting up a WebCTRL system course, or at least 1 year experience with WebCTRL
  - 3 months experience using:
    - SiteBuilder
    - LogicBuilder
    - ViewBuilder

**Class Schedule:** Monday through Friday 5 days

**Objectives:** After successfully completing this class, you will be able to:

- Run an effective project turnover meeting
- Select appropriate control modules for a project
- Create a project submittal package using JobBuilder
- Efficiently develop and effectively manage a system database in SiteBuilder
- Translate a written sequence of operation into an Eikon control program
- Edit system graphics in ViewBuilder
- Customize and set up advanced WebCTRL features for your customer
- Package and turn over a complete system to a field technician for installation

**Class size:** 8 total, limited to 3 students per dealership per class. Minimum of 4 students registered for class to go ahead.

### Course Outline

#### Day 1

- Prepare for project turnover meeting
- Select ALC hardware for your project
- Sketch your network and equipment
- Create a submittal sampler (Visio/JobBuilder)
- Incorporate equipment schematics (EquipmentBuilder & JobBuilder)
- Select server software and hardware

#### Day 2

- Discover SiteBuilder productivity tools (SiteBuilder)
- Prepare database for submittals (SiteBuilder/EIKON)
- Complete submittal drawings (Visio/JobBuilder & SiteBuilder)
- Prepare graphics submittal

### Day 3

- Decipher a control program/sequence of operation (EIKON)
- Match microblock properties to specification and project documents (EIKON)
- Simulate a control program (EIKON)
- Configure a control program in WebCTRL
- IP fundamentals
- Request IP addresses from a network administrator

### Day 4

- Set up BBMDs (WebCTRL)
- Use foreign device registration
- Install and verify system graphics
- Add a zone to an existing floorplan (SiteBuilder & ViewBuilder)

### Day 5

- Map a third-party BACnet object to a network I/O point (EIKON/WebCTRL)
- Map a third-party BACnet object to a display point (EIKON/WebCTRL)
- Create a report using Web Services (XML/SOAP)
- Combine databases (SiteBuilder)

For more information contact Greg Arden at [garden@automatedlogic.com](mailto:garden@automatedlogic.com)

## Integrating third-party devices into a WebCTRL system

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This class is aimed at those who are required to read data from or write data to a third-party device(s) as part of a WebCTRL system installation or retrofit.

### Prerequisites:

To benefit from this class you must be:

- Fluent with Eikon programming, including a full understanding of how to use Eikon microblocks in a control program
- Fluent understanding of SiteBuilder, including creating a database and associating equipment to control programs and to modules
- Familiar with how to reload control program and driver changes to a SiteBuilder database
- Able to search and download information from the Info site (<http://info.automatedlogic.com>)
- Familiar with ViewBuilder and how to add & modify objects on an existing graphic
- Able to change IP parameters on your laptop

**Class Schedule:** 3 day class

**Objectives:** After successfully completing this course, you will be able to

- Create control programs to integrate with a competitor's LonWorks, BACnet, or Modbus devices
- Create an equipment graphic that reads and writes a competitor's BACnet points from a combination of Network I/O and Display microblocks
- Collect network communication information using HyperTerminal and BACScope
- Estimate and quote a third-party integration project

**Class size:** 4 total, limited to 2 students per dealership per class. Minimum of 2 students registered for class to go ahead.

### Course Outline

#### Day 1

Introduction

LonWorks Lab

- Discover third-party device information
- Create a control program
- Set up module driver properties
- Use third-party device information in a WebCTRL system

#### Day 2

BACnet Lab

- Discover third-party device information
- Collect network communication information using BACScope
- Create a control program using Network I/O microblocks
- Create a control program using Display microblocks
- Create an equipment graphic that reads and writes third-party BACnet points from both control programs

### Day 3

#### Modbus Lab

- Collect and use third-party Modbus documentation to format Modbus addresses
- Create a control program
- Use third-party device information in a WebCTRL system
- Collect network communication information using HyperTerminal
- Estimate and quote a third-party integration project

For more information contact Greg Arden at [garden@automatedlogic.com](mailto:garden@automatedlogic.com)

## Using a WebCTRL system – Owner/Operator training

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This class is aimed at those who have little or no experience with the ALC WebCTRL product line installed at your facility. This is an instructor-led training class with extensive hands-on exercises.

The class environment is relaxed: student participation is encouraged. Each student workstation includes a WebCTRL server and a set of online ALC hardware.

### Prerequisites:

To profit from this course, you must have

- Windows experience

**Class Schedule:** 2 day class

### Objectives

#### Day 1 (View and schedule in WebCTRL)

Introduction/WebCTRL system architecture

- Demystify room sensors
- View and navigate your WebCTRL system
- Create custom schedule groups
- Describe a schedule type
- Create schedules
- Edit and delete schedules
- Describe schedule interaction
- Run a schedule instances report

#### Day 2 (Troubleshoot using WebCTRL)

- Create a trend graph
- Run a trend usage report
- Enable historical trending
- Describe the alarms view tab
- Close an alarm incident
- Run a troubleshooting report
- Adjust your setpoints
- Calibrate a room sensor
- Verify a sequence of operation
- Notify someone about an alarm
- Create operators and assign privileges
- Run an audit log report

**Class size:** 8, not limited although typically 2 students per dealership

For more information and fees contact AutomatedLogic UK

## 2011 Training Dates

### Installing and setting up a WebCTRL system

#### ■ Part 1

24<sup>th</sup> & 25<sup>th</sup> January

18<sup>th</sup> & 19<sup>th</sup> April

25<sup>th</sup> & 26<sup>th</sup> July

24<sup>th</sup> & 25<sup>th</sup> October

#### ■ Part 2\*

26<sup>th</sup> & 27<sup>th</sup> January

20<sup>th</sup> & 21<sup>st</sup> April

27<sup>th</sup> & 28<sup>th</sup> July

26<sup>th</sup> & 27<sup>th</sup> October

### Prerequisite: completion of part 1

### Integrating third-party devices into a WebCTRL system

■ 23<sup>rd</sup> – 25<sup>th</sup> May

■ 28<sup>th</sup> – 30<sup>th</sup> November

### Creating a WebCTRL system

Schedule on request

### Using a WebCTRL system – Owner/Operator

Schedule on request

JANUARY						
S	M	T	W	T	F	S
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FEBRUARY						
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MARCH						
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APRIL						
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MAY						
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JUNE						
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JULY						
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AUGUST						
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OCTOBER						
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NOVEMBER						
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DECEMBER						
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