



Saint Louis - Phase II PLC Training Workshop

PanelView to PLC using Allen Bradley PanelBuilder32™

One of many industrial training services offered by BIN

Saint Louis, MO. Schedule: March 21-22, 2006 ([register now](#))

All training workshops offered as [On-Site Training](#) too.

What you will learn ...

- **Panelview™ Hardware**
 - Introduction to Panelview 550 & Panelview 300
 - Panelview to PLC Communications
 - Working with PanelBuilder™
 - Utilizing the Memory Card
 - Troubleshooting and repair of the Panelview 550 and Panelview 300
 - Getting more help
- **PanelBuilder™ Software**
 - PanelBuilder32 overview
 - Panel Builder tools
 - Editing a Panel Builder program
 - Creating graphics for HMI
 - Adding a menu screen
 - How to find your own answers using software
- **Real Word Application**
 - Getting Online with the Panelview
 - Saving the program
 - Tracing data from Panelview to PLC
 - Sending data from the PLC to the Panelview
 - Real world examples of Ladder Logic
 - Panelview on the DH+
 - Hands on challenge

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
- Challenge workshop attendees receive more advanced programming



Business Industrial Network will be hosting this two day training seminar on Allen-Bradley's Panelview™ (HMI-OCS) and Panel Builder software. This will be a hands-on workshop with PanelView 550 and PanelView 300 as well as the SLC 500 PLC and Micrologix™ PLC to work with.

A crash course in how to reduce downtime while working with Allen-Bradley's PanelView™ and SLC 500® software. Attendees will work with PanelView operator control station screens and associated ladder logic in RSLogix to fully understand the flow of data and how a PanelView HMI interacts with the PLC.



This more advanced seminar is Business Industrial Network's **Phase II PLC Training** (Phase I training is our [PLC Troubleshooting course](#)), and is also offered as On-Site Training. It is highly recommended that all attendees take our [PLC Troubleshooting course](#) first, as a prerequisite to this Human

examples

- The confidence to continue to learn and more.

[\(Register for Saint Louis now\)](#)

Or see [Atlanta, GA. Details](#)

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

Side Notes: This is a hands on, relaxed **industrial control tutorial** with instructor roaming the class, giving each individual help with the SLC 500[®], PLC 5[®], Micrologix[™], PanelView 550[®], and PanelView 300[®] equipment used in class.

If you are seeking to **modify or troubleshoot your operator control stations** these **industrial training services** can help. If you are **responsible for maintaining the Allen Bradley Panelview[®]**, you will find the troubleshooting tips and methods of great value. Those of you not in Saint Louis, please note travel expenses can be reduced by using the hotel's airport shuttle.

Go online for **MORE PANELVIEW TRAINING DETAILS AND REGISTRATION. Register TODAY** because seating is limited! www.BIN95.com

Drury Inn & Suites just 1/2 mile down the road at ...
11980 Olive Blvd, Creve Coeur, Missouri, 63141

Machine Interface (industrial HMI) workshop.

*This **PanelView to PLC - two day workshop** will always take place Tuesday and Wednesday so attendees can opt to take our **PID Control - two day workshop** also (Thursday and Friday). The workshop registration form for either of these Phase II training workshops will allow you to select both **process control training workshops**.*

These process control training workshops, as with all of our training courses, are not just text book instructions but practical knowledge and case examples based on years of experience.

Both of these courses offer information your people will actually use out on the shop floor.

Note: *Loaner laptops will be available for those who do not bring their own. We will be using laptops to work with the Panelviews and PLCs we connect together in class.*

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

- **Troubleshooting**
- **Reducing Downtime**
- **Editing with PanelBuilder32**
- **Continuing Self Education**

The instructor for this seminar will be Donald B. Fitchett, who has been teaching about process control equipment for over a decade, and has designed - implemented world class training programs around the world. Don will also bring to this workshop, his expertise on the true cost of downtime to stress the importance of quick reliable troubleshooting.

[Workshop Location ...](#)

The Microsoft Building

3 Cityplace Drive

Saint Louis, MO. 63141

This seminar/workshop will be held in the state of the art training facility located in the Microsoft building next to Business Industrial Network's HQ offices.

(Secure registration is hosted by LFCosting.com, a trusted partner of Business Industrial Network)



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.



Saint Louis - Phase II Process Control Training

Practical Process Control Training - PID Control

Industrial training services offered by BIN in conjunction with **Control Station**
 Saint Louis, MO. Schedule: March 23-24, 2006, All training courses offered as **On-Site Training** too.

Day 1 Training ...

- **Lecture**
 - Fundamentals of Process Dynamics and Control
 - Proportional Control
 - Integral Action and PI Control
 - A Formal Approach to Controller Design Using Design Tools
 - Controller Performance Criteria
 - Derivative Mode and PID Control
 - PID Control with Derivative Filter
- **Demonstration**
 - Modeling Process Dynamics Using Control Station
 - Implementation of P-Only Controllers
 - Adaptive PI Control of Nonlinear Processes
 - PID Control of Tank Level
 - PID with Filter Control of Heat Exchanger Temperature
- **Workshop**
 - Exploring Dynamics of the Gravity Drained Tanks
 - P-Only Control of Tank Level
 - The Hazard of Tuning PI Controllers by Trial and Error
 - PI Control of Heat Exchanger Temperature
 - PID Control of Heat Exchanger Temperature
 - PID with Filter and Control of the Multi-Tanks PROCESS

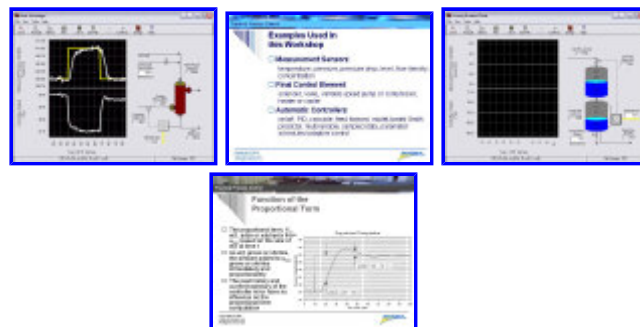
Feed Forward Disturbance Rejection

- The cooling jacket inlet temperature (the disturbance) is measured with a sensor as shown above
- The disturbance signal is sent to a feed forward element comprised of a process and dynamic disturbance model
- Let's explore this further using the simulation capabilities of your desktop software

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The **Practical Process Control Training** course (more than just a PID tutorial, will give you a firm foundation in **Process Control and PID control tuning**.

Top companies maintain their competitive advantage by maximizing productivity and minimizing costs - by optimizing and controlling critical processes. Training is an essential element in equipping engineers for success and achieving that advantage.



Day 2 Training ...

- **Lecture**
 - Using Control Station with Real Processes
 - Cascade Control
 - Feed Forward Control
 - Dynamics of Non-Self Regulating (Integrating) Processes

Practical Process Control curriculum and how top companies use Control Station's hands-on training services both to empower their human resources and to maximize the return on their capital investments.

How do top companies like Holcim (US) (cement), Lafarge North America (cement), Honeywell (chemicals), Westinghouse Savannah River (power), ChevronTexaco (petroleum), Genzyme (biotech/pharmaceutical), and Owens Corning (chemicals)

- **Demonstration**
 - Simulation and Control of Heat Exchanger using Custom Process
 - Single Loop Control of the Jacketed Reactor
 - Feed Forward Control of an Ideal Process
 - Controlling a Non-Self Regulating (Integrating) Custom Process
- **Workshop**
 - Modeling and Simulation of Single Loop Processes
 - Cascade Control of the Jacketed Reactor
 - Feed Forward Control of the Jacketed Reactor
 - Modeling and Control of the Pumped Tank Process

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

Note: *Loaner laptops will be available for those who do not bring their own. We will be using laptops to work with the Software specifically designed to help users learn process control training.*

Recommended Lodging ...
Drury Inn & Suites just 1/2 mile down the road at ...
11980 Olive Blvd, Creve Coeur, Missouri, 63141

Discount code provide after registration.

Register TODAY because seating is limited!

maintain their competitive advantage? Attend Practical Process Control and learn proven techniques that will improve your bottom-line performance. Receive hands-on instruction and gain the confidence you need to solve complex process control challenges.

Courses delivered by Control Station has helped process technicians and engineers to understand and apply innovative control techniques.

“Control Station equipped my team with the training they needed to succeed. They kept [it] simple and straightforward, focusing on techniques that could be applied immediately on the plant floor” E&I Supervisor- Magnesium Elektron

“Control Station’s ‘case study’ approach to teaching the subject was unique. Learning by doing helped me understand the topics as they were presented.” Process Engineer - International Flavor & Fragrances

This more advanced seminar is part of Business Industrial Network's **Phase II Training** (Phase I training is our [PLC Troubleshooting course](#)), and is also offered as On-Site Training.

This PID Control - two day course will always take place Thursday and Friday so attendees can also take our [PanelView to PLC - two day course](#) on Tuesday and Wednesday. The course registration form for either of these Phase II training courses will allow you to select both **process control training courses**.

Both of these courses offer information your people will actually use out on the shop floor.

[Course Location ...](#)

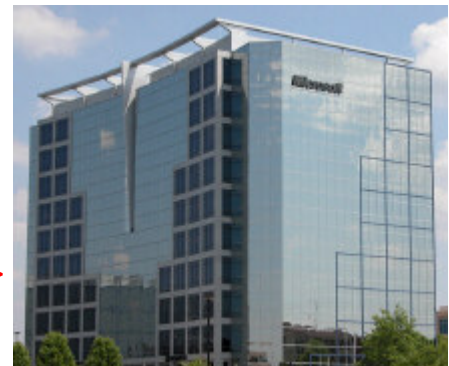
The Microsoft Building

3 Cityplace Drive

Saint Louis, MO. 63141

[Click picture for location details >>](#)

This seminar/workshop will be held in the state of the art training facility located in the Microsoft building next to Business Industrial Network's HQ offices.



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Saint Louis, MO.

Phase II HMI - PID Training

Register for one Training Course, or both consecutively.

Saint Louis, MO. Schedule: March 21-24, 2006

All training workshops offered as On-Site Training too.

For **PanelView to PLC** - two day workshop [DETAIL PAGE](#) and

For **PID Control** - two day workshop [DETAIL PAGE](#)

See www.BIN95.com

Seminar Fee ...

\$890 HMI course, per attendee.

\$1450 PID course per attendee.

Group discounts may apply. 10% discount to AFE members! *(not to be used with other discounts)*

Registration Methods ...

- 1) **Online** (This page)
- 2) **Fax** (860) 875-1749
- 3) **Phone** (877) 566-7776
- 4) **Mail** this form to ...
Control Station, Inc.
One Technology Drive
Tolland, CT. 06084
- 5) **Email** all form information to
Training@bin95.com

Seminar Location ...

The Microsoft Building
3 Cityplace Drive,
Saint Louis, MO 63141

Accommodations ...

Drury Inn & Suites
11980 Olive Blvd
Creve Coeur, Missouri, 63141
[Click for hotel website/](#) Hotel
Phone :
(314) 989-1100

Authorizing Manager:

Name:

Title: Email:

Company Name:

Address:

City: Zip: State/Prov:

Phone: Fax:

- 2 Day PanelView (HMI) Course Dates: March 21-22, **2006** - (\$890)
- 2 Day Process Control (PID) Course Dates: March 23-24, **2006** - (\$1450)
- 4 Day Select Both Courses:** March 21-24, **2006** - (\$2250)

Seminar Attendees:

Name: Title:

Name: Title: group discount *

Name: Title:

Name: Title:

Payment Method: Amount to be charged **per attendee - Already discounted** \$890 for 2 day HMI course, **two or more attendees for PID** course will be **discounted** to \$1250 per attendee! Questions about exact price for your selection, please email us.
Please enter your credit card information below before submitting this form. You will also need to submit this form with contact information above filled out when paying by Check.

Visa MasterCard AMX Check Enclosed (pay to Control Station Inc.)

Card Number:

Expiration Date: Card Code?:

Name on Card:

Signature:

The total for 4 day workshops will be US\$2250, times the number of attendees you are registering. Group discount for PID course only, is \$200 off list price per attendee. Two or more attendees qualifies for the group discount.
(US\$2025, per AFE attendee)

**Note: Seminar Ends 4:30
Friday, book travel accordingly.
(Sat rec.)**

Seminar fee does not cover
meals, travel or hotel. **Lunch
and snacks provided!**

Schedule ...

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

Promotion Code
BIN 771594

Additional Information: *This seminar - workshop is great for those seeking adult continuing education to help qualify for jobs in Saint Louis, MO. If AFE member, indicate so in name field. Cancellations may apply fees to other training classes. Instructor recommends, but does not require you to bring the lap top you use with RSLogix® installed and PanelBuilder™ to the HMI course, for extra help with specific questions to your setup.*

FOR MORE COURSE. DETAILS, VISIT ONLINE AT ...

http://www.bin95.com/Saint-Louis_HMI_Panelview.htm

OR

http://www.bin95.com/PID_Process_Control_Saint-Louis.htm

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

- Thank You -

All trademarks and trade names are property of their respective owners. Cancellation Policy on line