

# SPECIALIZED TRAINING EVENTS

## SITRAIN™ TRAINING EVENTS AT ACD\*

Register for trainings at [www.sea.siemens.com/training](http://www.sea.siemens.com/training) or call ACD at 1-800-866-7740.

Course Code	Course Title	Start Date
SCT-S7TIAP1B	S7 TIA Programming 1	1/16/2012
SCT-S7300S1B	S7 System Tools & Troubleshooting 1	3/5/2012
SCT-S7TIAP1B	S7 TIA Programming 1	3/19/2012
SCT-S7TIAP1B	S7 TIA Programming 1	4/23/2012
SCT-S7TIAP2B	S7 TIA Programming 2	6/4/2012
SCT-S7TIAP1B	S7 TIA Programming 1	7/23/2012
SCT-S7300S1B	S7 System Tools & Troubleshooting 1	9/10/2012
SCT-S7TIAP1B	S7 TIA Programming 1	9/24/2012
SCT-S7TIAP2B	S7 TIA Programming 2	11/5/2012
SCT-S7TIAP1B	S7 TIA Programming 1	12/17/2012

### SIMATIC® S7 S7 System Tools & Troubleshooting 1

Weeks of: March 5, 2012 and September 10, 2012

This course is designed for industry "first responders" to operations controlled with Siemens STEP 7 automated control systems. Students not requiring programming skills, such as maintenance technicians, electricians, supervisors and others, who need an understanding of their Siemens control system to maximize line uptime, should attend this course. This course also makes a great platform for those new to automation systems and industrial electronics. PLEASE NOTE: If PLC programming as a job skill is required, one may consider the S7 Programming I, instead.

Modular in design, this course is fully customizable for those interested in on-site training. Topics can be added or removed to meet specific needs. Call 800-241-4453 for more details.

### SIMATIC® S7 S7 TIA Programming 1

Weeks of: January 16, 2012; March 19, 2012; April 23, 2012; July 23, 2012; September 24, 2012 and December 17, 2012

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

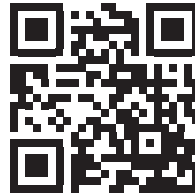
### SIMATIC® S7 S7 TIA Programming 2

Week of: June 4, 2012

This course is for SIMATIC S7-300/400 PLC users with basic engineering experience in the design and sustaining of SIMATIC automation systems and their application programs.

For complete course prerequisites, description and objectives visit [www.acdist.com/events](http://www.acdist.com/events)

\*each class is a 4 1/2 day course



REGISTER AT ACD: 800-866-7740  
MORE DETAILS INSIDE THIS ISSUE

SPECIALIZED TRAINING EVENTS SIMATIC® S7	
S7 System Tools & Troubleshooting 1	September 12 March 5
S7 TIA Programming 1	January 16 March 19 April 23 July 23 September 24 December 17
S7 TIA Programming 2	June 4

1100 RICO ROAD, EAST BUILDING  
MONROEVILLE, PA 15146  
[WWW.ACDIST.COM](http://WWW.ACDIST.COM)

ADVANCED CONTROLS & DISTRIBUTION



TRAINING SCHEDULE  
WORKSHOPS

# ACD CONNECT

PA: PITTSBURGH, ERIE, STATE COLLEGE | WV: MORGANTOWN, CHARLESTON | OH: CLEVELAND, AKRON, CANTON, YOUNGSTOWN

## ACD OFFERS "GREEN" PRODUCTS WITH LED LIGHTING

ACD continues to pursue innovative industrial products that are eco-friendly along with providing substantial energy savings. Dialight LED Lighting is emerging as a key product in this area. Most customers are not aware of the many advantages of LED lighting over metal halide, high pressure sodium and compact fluorescent lighting, currently the standard for "greener" lighting.

The Dialight LED lighting products can be used in many different applications such as warehouses, manufacturing, food processing, cold storage, security and pathways. The product is offered in both hazardous (Class I, II; Division 1, 2) and non-hazardous versions.

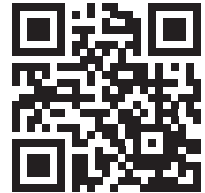
The advantages of Dialight LED Lighting are:

- Significant energy savings
- Mercury free (no special disposal)
- Dark Sky Compliant
- 80% lumen maintenance after 60,000 hours
- 77 lm/w (LM-79) certified
- Vibration immune
- Instant on/off
- Maintenance free
- No heat or UV
- Simple installation

Energy Saving Comparison Chart for High Bay Lighting\*

Fixture Type	Dialight DuroSite Series LED High Bay (150W)	(6) T5HO Fluorescent (324W)	Metal Halide (400W)	High Pressure Sodium (400W)
Total System Wattage	150W	389W	480W	480W
Avg. Lamp Life	60,000	30,000	20,000	24,000
Annual Energy Savings		\$13,500	\$18,771	\$18,771
Lifetime Relamp & Maintenance Savings		\$19,706	\$29,559	\$29,559
Annual kWh Savings		123,486 kWh	170,646 kWh	170,646 kWh
Annual CO2 Emission Reduction (in tons)		106	146	146

\*All figures are typical and based on calculations provided by the United States Environmental Protection Agency



View the Dialight calculator link and case study on ACD website. [www.acdist.com/16](http://www.acdist.com/16)



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ADVANCED CONTROLS & DISTRIBUTION

[WWW.ACDIST.COM](http://WWW.ACDIST.COM)



## Oberg Industries

### Customer Testimonial: Oberg Industries

In 2009, Oberg Industries was looking for a partner to support their Die Automation Controller (DAC). Specifically, Oberg wanted a company who could provide automation engineering support. The DAC uses a Siemens S7 PLC and a MP 277 operator interface. Oberg was seeking a company who could demonstrate expertise with that platform.

“During the project kickoff, it became obvious that the electrical design and documentation was incomplete and could be improved. ACD agreed to make the necessary changes. All of this was accomplished by ACD’s automation engineering staff with virtually no input from Oberg. After a short startup and checkout at ACD’s Monroeville PA facility, the DAC was shipped to Oberg on schedule. The DAC was retested at Oberg, packed, and shipped to the end user. The project was delivered on-time and in budget.

Since that time, Oberg has fielded several service calls from existing DAC customers which required support from ACD. With the product responsibility for the DAC product, at Oberg Industries, I have a direct line to Mike Green, Account Manager at ACD, when such issues arise. In every case, Mike has reacted immediately by assigning an ACD Control Engineer to the case.

ACD continues to impress Oberg as our relationship grows and Oberg is grateful for the services they continue to provide.”

Steve Williams  
Oberg Industries

### ACD SOFTWARE CENTER Current Versions of Siemens Software

Or view the spreadsheet at the ACD website. [www.acdist.com/softwarecenter](http://www.acdist.com/softwarecenter)



### Siemens HMI Connectivity... With Other Brands of PLCs

Siemens expansive line of HMI products is not only a great option when used with Siemens PLCs but also a tremendous solution with other brands of PLCs such as Allen-Bradley, Modicon, GE-Fanuc, Mitsubishi, LG and Omron.



The communication drivers, to support these networks, are built in to the Siemens OP 77, TP 177, TP 277, MP 177, MP 277 and MP 377 HMIs.

- Allen-Bradley PLC types: ControlLogix, CompactLogix, Micrologix, GuardLogix, SLC 500, SLC 50 and PLC 5
- Allen Bradley Networks: Ethernet IP, DH485 and DF1
- Modicon PLC types: TSX Quantum, TSX Unity Quantum, TSX Unity Premium, TSX Compact, and 984
- Modicon Networks: Modbus TCP/IP and Modbus
- GE PLC types: 90-70, 90-30 and 90-Micro
- GE Networks: SNP
- Mitsubishi PLC types: Series FX, Series A and Series Q
- Mitsubishi Networks: FX and MP4
- Omron PLC types: SYSMAC Alpha, SYSMAC C and SYSMAC CV
- Omron Networks: Link/MultiLink
- LG PLC type: GLOFA-GM
- LG Network: Cnet

No longer are users forced to match their HMI to the same manufacturer of the PLC in their automation projects.

Siemens HMIs offer the most advanced features and superior flexibility all at a very competitive price.

Additional details are available at the ACD website. [www.acdist.com/16](http://www.acdist.com/16)



## WORKSHOPS

Register for training with ACD at 800-866-7740

### WORKSHOPS AT MONROEVILLE, PA OFFICE

#### Siemens S7-1200 Workshop December 6, 2011

The S7-1200 is a new modular space-saving controller for small automation systems that require either simple or advanced functionality for logic, HMI and networking. It is both compact and highly powerful – especially in relation to its real-time performance. It is fast, features great communication options, and is programmed with easy-to-operate, easy-to-learn software.

To register call Willa McCune 412-858-9128

#### Siemens UL and IEC Panel Workshop January 24, 2012

This course is designed for individuals involved in the design, specification and assembly of industrial control panels, as well as individuals who provide components for application in such panels.

This is a fast moving course intended for personnel with at least a general knowledge of industrial control components and applications.

Throughout the course, participants will be required to answer review questions to confirm comprehension of the material.

To register call Willa McCune 412-858-9128

### WORKSHOPS AT ERIE MANUFACTURER & BUSINESS ASSOCIATION CONFERENCE ROOM 2171 WEST 38TH STREET ERIE, PA. 16508

#### Siemens S7-1200 Workshop December 14, 2011

The S7-1200 is a new modular space-saving controller for small automation systems that require either simple or advanced functionality for logic, HMI and networking. It is both compact and highly powerful – especially in relation to its real-time performance. It is fast, features great communication options, and is programmed with easy-to-operate, easy-to-learn software.

To register call Willa McCune 412-858-9128

### WORKSHOPS AT STREETSBORO, OH OFFICE

#### Siemens S7-1200 Workshop December 8, 2011

The S7-1200 is a new modular space-saving controller for small automation systems that require either simple or advanced functionality for logic, HMI and networking. It is both compact and highly powerful – especially in relation to its real-time performance. It is fast, features great communication options, and is programmed with easy-to-operate, easy-to-learn software.

To register call Greg Kuzas 330-653-8801

#### Siemens UL and IEC Panel Workshop January 26, 2012

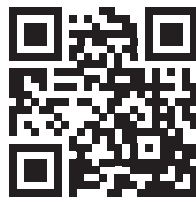
This course is designed for individuals involved in the design, specification and assembly of industrial control panels, as well as individuals who provide components for application in such panels.

This is a fast moving course intended for personnel with at least a general knowledge of industrial control components and applications.

Throughout the course, participants will be required to answer review questions to confirm comprehension of the material.

To register call Greg Kuzas 330-653-8801

For complete workshop prerequisites, description and objectives visit [www.acdist.com/events](http://www.acdist.com/events)



### Kevin Proctor

Kevin Proctor is the new member of the Western PA sales team. He is an ACD Account Manager covering Westmoreland, Bedford, Blair,

Somerset, Cambria and Centre counties. His background is in sensors and machine safety with Keyence. Kevin is a graduate of Penn State University. ACD is very excited about the addition of Kevin to our team. •

### ACDCONNECT Online.

The ACD CONNECT newsletter is now available online. To receive your newsletter electronically, send an e-mail to Lou Dellemonache (LDellemonache@acdist.com) with the subject line: ACD CONNECT VIA EMAIL.



Additional details are available at the ACD website. [www.acdist.com/16](http://www.acdist.com/16)