



WINKLE ELECTRIC COMPANY INC.

August/September 2006

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rockwell automation

automation fair 2006



Why attend the Rockwell Automation **Automation Fair 2006** October 25 and 26 at the Baltimore Convention Center?

Do you want to improve your product's time-to-market, increase your company's profitability, develop asset management and optimization strategies and manage manufacturing business risk? If you answered yes to any of these, then the question should be why *not* attend **Automation Fair 2006**?

The fair's hands-on labs and informative forums can help you achieve these goals while exploring the most up-to-date innovations in the automation industry. Attendees can participate in their choice of more than 50 technical sessions exploring advanced automation topics or sit in on forums hosted by leaders in the industry providing a detailed look at the latest trends in a variety of industries.

Winkle Electric has made attending **Automation Fair 2006** a breeze with all-inclusive travel packages for \$780 per attendee. Travel package schedule/details:

- Deluxe motor coach transportation to Baltimore with pickup locations for both Erie and Youngstown
- Motorcoach departs October 24, mid-morning
- Dinner on the way at Golden Corral in Frederick, Maryland around 4:00 p.m.
- Arrive at Baltimore Inner Harbor 7:00 p.m.
- Accommodations within walking distance to the Convention Center
- Wednesday, October 25 **Automation Fair 2006** at the Baltimore Convention Center
- Wednesday evening 6:30 p.m. dinner at Phillip's Harbor Place restaurant on Baltimore's Inner Harbor
- Motorcoach departs October 26, 2:00 p.m.
- Dinner on return trip at Seven Springs approximately 5:30 p.m.
- Arrive back at pick-up points between 8:00 and 9:30 p.m.

Don't miss the premier industry event focusing on advanced automation products, integrated control, information architecture and value-added services and solutions. Erie-area customers may contact Lois Fetterman at (814) 838-1975 and Youngstown-area customers may contact Amy Bulick at (330) 747-0043 for details.

Siemens

Standby Power Systems

Siemens technology has combined with the most respected name of generator engines in the industry, Generac, to bring you a new line of standby power systems. These two manufacturers combining their experience and expertise results in the most powerful, most reliable and the quietest running line of standby generators in the industry.

All Siemens generators are designed for quiet operation with sound attenuated enclosures, specifically designed fans and radiators in a high-tech enclosure material that provide excellent sound absorption. The textured, powder coat finish provides consistent coverage and better bonding to seams and exposed edges.

Siemens generators are armed with patented Quiet Test technology. This technology allows the generator to run at lower RPMs during the weekly test mode, greatly reducing noise disturbance associated with operation. During weekly tests, the generator produces sound levels of only 57-62 dBA at 20 feet. This is equivalent to conversational speech. Siemens standby generators offer stable, computer-friendly power from solid state, frequency compensated voltage regulation and precision digital control and monitoring of the generator and the transfer switch.

To find out how Siemens standby power solutions can work for you, contact your Winkle representative.



Rockwell Automation

Connection Systems

Meet your connection needs with products from Rockwell Automation. Rockwell offers Allen-Bradley cables, cordsets, patchcords, Y-cables, distribution boxes and receptacles to satisfy even the toughest industry applications. Contact your Winkle representative to discuss a connection system solution using the durable products from Rockwell Automation.

Compact and Durable: DC Micro-Style Products

Bulletin 889D Cordsets and Patchcords

Featuring industry standard 4- or 5-pin overmolded connectors, Allen-Bradley DC micro-style cables provide secure connection for proximity sensors, limit switches, photoelectric sensors and other field devices.

Bulletin 888D Receptacles

Increase your wiring flexibility with these easy-to-use receptacles. Their modular design provides panel mount capability, helps keep things neat and organized and allows simple replacement in areas where cables are likely to be damaged or replaced frequently.

Bulletin 898D Distribution Boxes

These distribution boxes are a great way to increase flexibility and cut costs. They lower your labor costs by reducing installation and troubleshooting time. They take up less space than loose wires, look neater and more organized and keep cable replacement simple in areas where cables are easily damaged.



Panduit

Lockout/Tagout Products

Panduit offers a comprehensive line of Lockout/Tagout products that are designed to maximize your facility's safety and make compliance with OSHA standards easy to establish and maintain. Panduit's Lockout/Tagout products include training programs, assistance in regulatory and group lockout training and compliment a complete line of lockout devices, tags and accessories - plus a wide variety of safety and facility products like stock signs, pipe markers, tags, warning labels and Arc Flash signage. These ingredients are durable, flexible and work in a variety of industrial applications.



Several Lockout Kits are also available, each designed for a specific application. The kits contain instructions and procedures for complying with OSHA standards, as well as an array of locks and specialized lockout devices, hasps, warning tags and identification tags.

Avoid costly and dangerous accidents - make sure your facility is in OSHA compliance by ordering a Panduit Lockout/Tagout solution. For more information on how to order, contact your Winkle representative today.

Winkle Electric is offering several events and courses valuable to a variety of individuals in a wide range of disciplines and at all skill levels. Take a look at the courses offered below. If you or your associates are interested in attending, you can register on-line or schedule today by calling Amy Bulick (Youngstown customers) at (330) 744-5303 or Lois Fetterman (Erie customers) at (814) 838-1975.

september

CCP146 ControlLogix System Fundamentals Class

Individuals who have little or no working experience with Logix5000 systems or other programmable controllers should attend this course that teaches the basic skills needed to operate this system.

Knowledge obtained in this course is required to successfully complete other courses in the Logix5000 curriculum, including the Basic Ladder Logic Programming Class.

- September 12 through 13, 2006
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center
Youngstown, OH
- Tuition is \$960 per person

CCV203 RS View ME Programming for the PanelView Plus

This course provides the necessary skills to individuals who need to create RSView ME applications for use on a PanelView Plus terminal. The software skills gained in this course can also be applied to RSView ME applications that run directly on a Windows or VersaView CE industrial computer.

- September 27 through 29, 2006
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center
Youngstown, OH
- Tuition is \$1,280 per person

october

CCP151 RSLogix 5000 Basic Ladder Logic Programming Class

A crucial course for any programmers seeking practical learning experience with controllers, programming or modifying Logix5000 controllers using RSLogix 5000 software and drafting ladder logic for any application. This class offers the invaluable fundamentals that will help any programmer take that first step forward and teaches them how to apply these skills to various situations.

- October 17 through 18, 2006
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center
Youngstown, OH
- Tuition is \$960 per person

CCP146 ControlLogix System Fundamentals Class *(see description above)*

- October 19 through 20, 2006
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center Erie, PA
- Tuition is \$960 per person

november

CCP122 PLC5/SLC500 Fundamentals

This course paves the way for individuals seeking success with programmable controller systems. Individuals who have little or no working experience should attend this course, which teaches the basics of SLC500 systems and more. The course is also recommended for anyone preparing for more advanced courses.

- November 14 through 15, 2006
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center
Youngstown, OH
- Tuition is \$960 per person

CCP151 RSLogix 5000 Basic Ladder Logic Programming Class *(see description at left)*

- November 16 through 17, 2006
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center Erie, PA
- Tuition is \$960 per person

january

CCP174 EtherNet/IP Design and Configuration Class

Individuals responsible for designing and configuring a new EtherNet/IP network or managing and modifying an existing EtherNet/IP network should attend. Students are introduced to basic ladder logic interpretation, which is applied to diagnostic tasks. Students practice these diagnostic skills by tracing through ladder logic instructions in an RSLogix 500 project.

- January 23 through 24, 2007
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center
Youngstown, OH
- Tuition is \$1,600 per person

february

CCPS43 SLC500 Maintenance and Troubleshooting

Individuals responsible for troubleshooting and maintaining SLC500 systems using RSLogix 500 software should attend this course.

Get hands-on experience in interpreting, isolating and diagnosing hardware problems related to noise, power and discrete and analog I/O. Apply fundamentals and learn the latest techniques.

- February 20 through 23, 2007
8:30 a.m. - 4:30 p.m.
- Winkle Electric Co. Training Center
Youngstown, OH
- Tuition is \$1,600 per person

winkle integrated services

Meet Your Production and Business Goals with Rockwell Automation

The best products in the world are only part of Winkle's business solutions. We also take a 3-part strategic approach to maintenance that combines the right predictive, preventative and reactive methods. We work with you throughout the system life-cycle to help you meet your production and business goals.

Whether you're located around the corner or around the globe, our Integrated Services Department can provide the skills and resources needed to optimize the performance and utilization of your automation equipment to reach your objectives:

- reduce downtime duration and unplanned events
- improve speed to change
- consistently operate equipment to specifications
- improve financial stability

Winkle's 3-part approach:

predict

Assessment Services

Baseline evaluations of plant floor technical skills, procedures and equipment

Condition Monitoring

Predictive maintenance products and services for rotating equipment

Remote Monitoring Services

System monitoring and diagnostics by off-site automation specialists

prevent

Asset Management Services

On-site MRO process and spare parts management of industrial equipment

Network Services

Design, validation, evaluation and maintenance of control networks

Training Services

Improved productivity of plant floor staff through direct instructor interaction

react

Phone Support Services

Technical support, information and software updates for Rockwell products

Repair Services & Renewal Parts

Remanufacturing, repair, exchange and renewal parts for industrial equipment

On-Site Support Services

Troubleshooting, repair and maintenance of automation and related equipment

Learn more about our 3-part approach by contacting your local Winkle representative.



Bill Lichtinger
Automation Product Specialist

Part of the Winkle team for more than a year, Automation Product Specialist, Bill Lichtinger is responsible for PLC's, Operator Interfaces, Software and Pneumatics Products.

Each one of these components is an important part of our Automation Division, which provides clients with streamlined, efficient and effective automation systems.

Bill's favorite part of working at Winkle is the change that is always taking place. The most important part of his job? "Keeping up with all the new products and improvements to existing products."

When he's not working, Bill spends time with his wife and their children Derek (15), Jacob (13) and Nicole (3). He also likes golfing.

Sola/Hevi-Duty - SCP-X Extreme Environment Power Supply

When dealing with aggressive elements like dust, water and other contaminants, a rugged power supply can help keep your equipment up and running, and can reduce costs associated with separate protective enclosures.

Designed as a stand-alone unit, the new Sola/Hevi-Duty SCP-X field power supply delivers 24Vdc power from an IP67-compliant package. Mounted directly to a machine, the SCP-X reduces end-user costs by eliminating the need for a separate cabinet and simplifying I/O device cabling. This innovative mounting also provides machine builders and system integrators increased flexibility during the design process because of its compact construction and quick change connectors.

The SCP-X also sets the standard for durability. The metal outer case withstands physical abuse while efficiently dissipating heat to deliver consistent power from -40 to +60°C. The rugged SCP-X is also IP66/67 versatile and is NEMA 4X rated.

In need of an extreme environment power supply? Contact Winkle Electric today.



Winkle Electric Company, Inc.
1900 Hubbard Road
Youngstown, Ohio 44503-6014

new product line

escort memory systems



Escort Memory Systems (EMS) is a leading manufacturer of industrial-grade RFID hardware, and the entire product line is now available through Winkle Electric. With 20 years of industry experience manufacturing tags, antennas, controllers and network/PLC interface modules, EMS' dedication to quality is evident in the modular, rugged nature of their products.

Antennas/Controllers EMS has more than 40 different antenna models varying in shape and size for specific application requirements. Read ranges with their systems vary from several inches to several feet, depending on antenna and tag. EMS' antennas always carry industrial ratings consistent with the environments they operate in.

Tags EMS offers more than 100 different models of tags. Tags vary in standards and adhere to a variety of sizes and memories. No matter what your application, EMS has an RFID tag to fit. The patented tags can be read through water, wood and plastic. Specialty high temperature models are also available.

Interface Modules In addition to providing the complete spectrum of RFID Hardware, EMS provides network interface modules for over 95% of the world's industrial networks. Numerous versions of EtherNet as well as Profibus, DeviceNet and Interbus-S are just some of the industrial networks for which EMS offers general purpose programmable interface modules. These interface modules can be used to give a presence to a wide range of existing equipment, RFID antennas, bar code verifiers, sensors and switches.

For more information on EMS product offerings, contact your Winkle representative.

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erie 4727 Pittsburgh Avenue . Erie, PA 16509 . p 814-838-1900 . f 814-838-1975
meadville Meadville, PA . p 814-724-5177 . f 814-724-5186
seneca PO Box 505 . 224 South Main Street Suite 216 . Seneca, PA 16346 . p 814-678-5303 . f 814-678-5304