

ABB Power & Control Road Show

August 26, 2009 Overland Park Marriott Kansas City

Agenda and Seminar Schedule

This event is designed to be informal and modular; registration and exhibits are open all day. Displays will include: Low Voltage Molded Case Circuit Breakers, AC & DC Drives, Softstarters, Power Distribution Systems, Disconnect Switches, Contactors, PLCs, Instrumentation and a variety of other Control and Automation Solutions.

Solutions-based, product-focused workshops will be offered in the morning and again in the afternoon, giving you the opportunity to attend the sessions that interest you most.

8:00am - 9:00am	Continental Breakfast, Opening Remarks	12:00pm - 1:00pm	Lunch
8:00am - 3:00pm	Open Exhibits and Seminars (with break for lunch)	3:00pm - 6:00pm	Hospitality, Open Exhibits

8:00 am

Excel in Circuit Protection With ABB's Tmax and Emax Circuit Breaker Solutions

Learn how ABB solves your medium to large circuit protection requirements... from the Tmax 15 amp to the Emax 5,000 amp power circuit breaker, ABB has the right breaker for any application.

Code and Safety Considerations for Disconnect Switches

Examine the code and safety considerations that affect enclosed disconnects (NFPA79, UL508A, OSHA Lockout/tagout, Wire Bending Space, etc.). Learn how to select the right disconnect for your application!

Drive Requirements for Emergency-Stop & Unintended-Start

Answers to: What do NFPA79, EN 954-1, and IEC 60204-7 require? What additional hardware is needed? What responsibility does the OEM or integrator have? How does the complete solution all go together? What can ABB do to help?

IEC vs. NEMA Motors

As the number of IEC motors bought and sold in the US continues to grow, it is increasingly important to be aware of similarities and differences between IEC and NEMA standards. In this session, we will review some of the more common motor specification items and construction features to serve as a basis for comparison. hazardous area motors and ATEX area definitions and requirements will also be covered.

9:00 am

Understanding Low Voltage Softstarters

Learn how a Softstarter works, why use a Softstarter, what motor types can be replaced with a Softstarter, what applications to pick, and what ABB can offer to get your motor started.

New Solutions for Process Control Automation

ABB proudly presents the brand new compact controller to bridge the gap between PLC and DCS (Distributed Control System). See how the Freelance product offering can optimize the engineering and cost of ownership at the same time. One software tool addresses it all; graphic generation, control logic as well as easy integration with external devices such as drives, transmitters and different field buses.

Energy Savings Equals "Free" Drives

Use of a live demo will assist in showing actual energy savings by speed control vs. old-fashioned means of flow control.

Arc Flash Monitoring with ABB REA Relays

ABB's unique solution to faster sensing of dangerous Arc Flashes in gear to be discussed, along with other ABB relay solutions.

10:00 am

AC500 Programmable Logic Controller

Do you feel trapped in inflexible and proprietary PLC solutions? Come and see how ABB provides unrivaled PLC freedom-of-use and leads the market in unique, leading-edge PLC innovations.

Variable Frequency Drive and Motor Sizing

Follow these steps to make your sizing decisions for low voltage and medium voltage VFDs and Motors simple and straightforward.

ABB Low and Medium Voltage Service Solutions

Learn how to extend the life and reliability of your low and medium voltage circuit breakers and switchgear through Preventative Maintenance, spare & replacement parts, refurbishment/repair.

Power Factor Penalties – How to Avoid the Charges!

Utilities across the country are raising penalties for poor power factor. This entry level course will introduce you to the concept of power factor, teach you why utilities penalize for poor power factor and how ABB's power quality products can improve your power system and save you money!

11:00 am

Serial Communications vs. Hardwiring in VFDs

ABB Drives feature a multiplicity of built-in fieldbus options allowing you to put them to work with whatever communications you need.

Arc Flash Mitigation and Arc Resistant equipment

Arc Flash hazard awareness is sweeping the industry, but once you know the danger, what can you do about it? Learn how to reduce the risk of potential injuries and damage to personnel and equipment and lower your company's overall risk and liability. solutions for existing and new applications will be reviewed.

Common Cure for Harmonics

Overview of harmonics commonly found in electrical distribution systems. ABB's Ultra Low Harmonic drive provides a solution and can mitigate harmonics even at partial load.

New Generation Terminal Blocks Address Your Daily Connection Challenges

Take the guess work out of designing your most challenging rail assembly applications. Learn how ABB's newest line of terminal blocks, the SNK series, combines connection reliability and innovative features.

1:00 pm

Pro M Series Mini Circuit Breakers and the ProLine Panelboard

Focuses on the ABB miniature circuit breaker line and addresses the differences between current limiting breakers vs. zero crossing breakers. Features an overview of the ProLine Panelboard.

Meet the New Low Voltage Arc resistant MNS-Safegear (MCC)

Discuss use of NFPA 70E, ANSI C37.20.7 and IEEE 1584 in the development of low voltage arc resistance switchgear and motor control centers. This session will highlight arc flash danger to personnel and discuss the solutions used in the development of arc resistant low voltage switchgear and MCCs.

Boost your AC Drive Portfolio... with DC Drives

ABB has introduced a DC drive which is synergistic with our AC drive offering. Commissioning/programming do not have to be re-taught!

Transient Voltage Surge Suppression (Don't Let Electrical Surges Scorch Your Business)

Surge voltages cause over \$2 billion in damage annually in the US. This course will discuss the basic need for surge protection, give an overview of ABB TVSS/Surge Protection Devices, and discuss recent developments in industry regulation.

2:00 pm

Medium Voltage Arc-Resistant Switchgear and MCC

In this course we will review how Arc Resistant equipment works and the various options available to help you improve personnel safety and plant reliability. We will also cover the various types of arc-resistant switchgear, trends in the industry, design and testing of arc-resistant switchgear.

Solving Issues for Drive Design and Installation

Discussion of the common issues in all drives: grounding, lead length, cable sizing, bearing currents, temperature, environment, etc. design. Learn the necessary criteria for choosing the correct power supply and review popular applications for the ABB line.

ABB Low Voltage Drives – Competitive Advantages Identified

See a competitive comparison of some of the major drives suppliers to ABB's AC350 drive and how ABB can make a difference in your selection.

DC Power Supplies – Selection and Application

Review the common types of DC power supplies and advantages of each.