

# Power and Grounding for Electronic Systems



**Course 5590L CEU's: 1.4**

## Overview

This 2-day course is designed for personnel involved with the planning, installation and maintenance of DeltaV™ Process Automation Systems and provides essential knowledge regarding the power and grounding system for DeltaV equipment. This course focuses on specific power and grounding requirements of a control system. You will learn:

- how to conduct site verifications
- how to audit using "hands-on" testing labs
- to detect power and grounding problems on existing sites

**Prerequisites** A working knowledge of electronics and AC power basics is suggested.

## Topics

- Review of Power Basics
- Power System Measurements
- Low Voltage Power Systems
- Power System Grounding
- Earthing vs. Grounding
- Connection to Earth
- Equipment Grounding
- Code Requirements
- Building Power Distribution
- Feeders and Branch Circuits
- Separately Derived Systems
- Power & Grounding for the DeltaV System
- Single Point Grounding
- Isolated Ground Installations
- Dedicated Circuits
- DC Grounding
- Verifying New Installations
- Power Quality Problems
- Applying Power Conditioning
- SIS Power and Grounding Installation

**Course Location** Control Dynamics  
201 Wylderose Dr.  
Midlothian, VA 23113

**Sponsored By** Control Dynamics

**To Enroll or for More Information Contact** Connie Goodman (804) 858-5800 or e-mail [Connie.Goodman@Control-Dynamics.com](mailto:Connie.Goodman@Control-Dynamics.com)

**Course Dates** May 15-16, 2007 (Session #07992)

**Registration Deadline** 2 weeks prior to course date

**Price** \$1,400 USDL

Purchase order or payment is required at the time of enrollment. PO, checks & credit cards acceptable and made payable to **Control Dynamics**.

**Cancellations:** If your plans or budgets change, you may cancel your reservations up to 14 calendar days prior to the start of the course without incurring a cancellation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to the start of the course, and full tuition for failure to attend without canceling. Substitutions are accepted until the first day of class.

**Providing Training with the Latest in Process Control Methods & Technology!**

**Enroll Today- Enroll Right Now- Seating is Limited.**

**Please Call: Connie Goodman 804/858-5800 or  
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