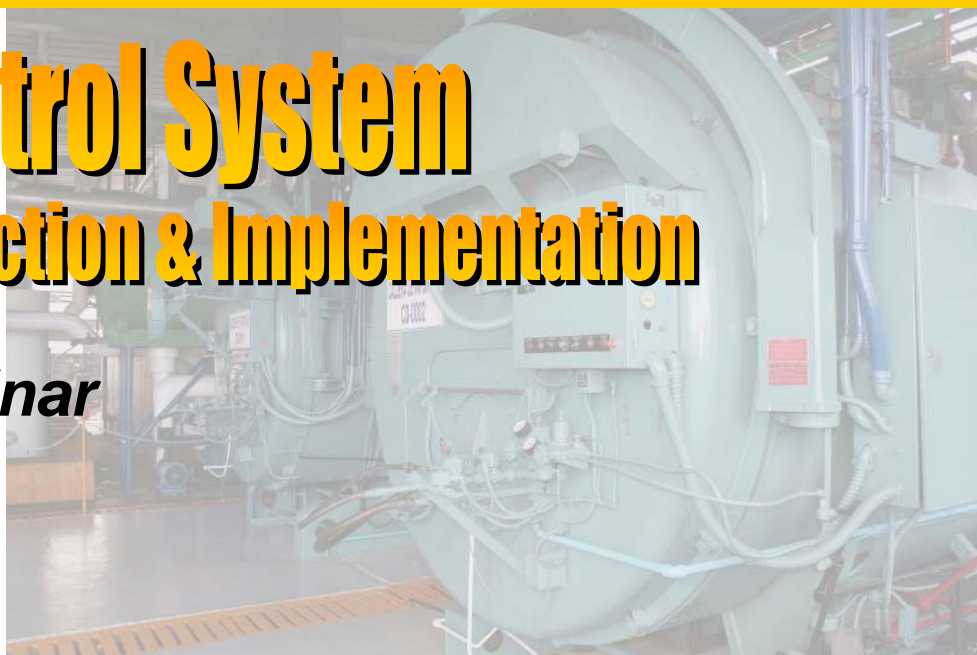


Boiler Control System Analysis, Selection & Implementation

One-Day Seminar & Workshop



OBJECTIVES

- Understand fundamentals of boiler control theory, major control loops, and burner management systems
- Recognize and understand boiler control and equipment terminology
- Be able to analyze existing installations, select the appropriate control system
- Understand contributors to boiler efficiency and calculate ROI on control system projects
- Gain knowledge of procedures used for correct installation, commissioning, startup, operation and troubleshooting of a boiler control system

WHO SHOULD ATTEND

- Plant Supervisors, Engineers and Facilities Managers interested in learning combustion control techniques and improving boiler efficiency
- Maintenance and operations personnel desiring a greater understanding of the advantages and limitations of boiler control strategies and the hardware used in implementation
- Anyone looking for a fundamental understanding of industrial boiler control

*Approved for continuing education for
New York State professional engineers.
6 PHD credits.*

CONTENT

The seminar uses a combination of classroom lecture and hands-on labwork to present the following topics:

Part I: Boiler Fundamentals

Discusses the steam generation process and the basic terminology used in boiler control.

Part II: Major Control Loop Details

Discusses each of the main control loops and their objectives. Various control strategies are examined along with their advantages and limitations.

Part III: Burner Management Systems

Examines the control strategies for single- and multi-burner boilers. Field instrumentation requirements and logic strategies are discussed.

Part IV: Efficiency and Payback

Describes various methods of calculating boiler efficiency with emphasis on controllable losses. A payback analysis example is included for illustration.

Part V: Installation, Commissioning & Startup

Reviews best practices, combustion testing, and tuning as well as common problems, their causes and solutions.

AGENDA

8:00 am	Registration
8:30 am	Class begins
12:00–1:00 pm	Lunch
4:00 pm	Class ends

Provides six (6) contact hours

LOCATION

MicroMod Automation, Inc.
75 Town Centre Drive
Rochester, NY 14623

May be presented at your facility for larger groups

FEES & CANCELLATION POLICY

Seminar fee: \$250.00 per student

Minimum class size - 6 students. Seminar may be cancelled or rescheduled up to 1 week prior to scheduled date if minimum class size is not met.

Refunds – cancellations made at least 24 hours in advance will receive a full refund or credit towards a future course. Student substitutions are permitted at any time prior to start of class. No refunds for registered participants who fail to attend without prior cancellation notification.

INSTRUCTOR

Robert R. Anken, PE. Mr. Anken has a BS in Mechanical Engineering from the State University of New York and is a licensed Professional Engineer. He has 28 years of experience in power plant operations, utility combustion control engineering, and project management. Mr. Anken is Vice President of Project Engineering for MicroMod Automation Inc..

REGISTER TODAY!

To reserve your space in the seminar, call our Training Registrar at (585) 321-9261 or 1-800-480-1975

Check the schedule on our website at www.micromodautomation.com

