

**Experts you trust.
Excellence you count on.**



Power Seminar

Two days of in-depth training
to build your generator and system fundamentals

Our mission is to develop and support a dynamic educational training program which provides technical knowledge and innovative learning tools relevant to the on-site power generation industry and related products; delivered by company engineers and experts to enhance the professional development of our participants.



Intended audience

The Power Seminar is a comprehensive technical overview of power generation systems. It is designed for those who have varying levels of technical experience working in the power generation industry.

Participants will take away in-depth knowledge of power generation systems and will learn how design choices impact system performance.

Make connections

This seminar is an opportunity to learn through classroom courses by industry experts, product demonstrations, facility tours and collaboration with other power system professionals. Our unique capabilities make us the global experts in system-wide integration and performance.

The goal of the seminar is to connect participants to the latest information and technology that will help in the design and specification of more reliable and cost-effective power systems.

Solutions-based learning outcomes

Group learning combined with the opportunity to see applied applications will help participants to:

- Describe the fundamental operational requirements and performance of power generation applications and equipment.
- Recognize how facility design affects component specification, sizing, selection and operation.
- Identify resources and tools that will make participants more capable and successful in specifying and designing power generation systems.
- Discuss the industry wide impact of new technologies and recent code changes.

Innovation through information

In addition to the opportunities listed below, participants are encouraged to engage in open discussion of power generation needs while earning Continuing Education Units (CEU) or Professional Development Hours (PDH).

■ Factory tour

Guided tour of our 650,000 sq. ft., ISO 9001/14001 and OHSAS 18001 Certified production facility which includes our 23,000 square foot Acoustical Testing Center.

■ Live demonstration of our factory power system

Synchronizing four 1.25MW, 14.2kV generator sets to the local utility grid and operating in extended paralleling peak shave mode.



The Power System Simulator in the Cummins Power Generation Customer Experience Room.

■ Hands-on Power System Simulator demonstration

A simulation of a power system connected in an isolated-bus topology with our state of the art Power System Simulator. The system consists of two genset controls, digital master control, transfer switches, loads, remote annunciators and remote monitoring.

■ Dynamic transfer switch lab demonstration

Demonstration of operating sequences of automatic and bypass transfer switches.

■ Other classroom courses

- Basic and Advanced Generator Sizing Topics
- Fundamentals of Networking
- Basics of Paralleling
- Generator Set Overcurrent Protection Options
- Generator Set & System Specification Review
- Generator Set Mechanical Integration
- Introduction to CHP: Combined Heat and Power
- Paralleling Topologies and Uptime Institute Tier Ratings
- Arc Flash and Selective Coordination
- System Grounding Recommendations
- Understanding Emission Regulations

Contact your local Cummins Power Generation distributor for available Power Seminar dates. Click on the Sales & Service Locator link at power.cummins.com/sales-service-locator.

"Great content, well put together as informative, not pure sales!!"

*"Great Seminar!
For a young engineer, it was great to learn and soak in all the information provided."*

"Really enjoyed the seminar. My team and I learned a lot to take back to our school district. Excellent coordination of events."

"I will be recommending this seminar/tour. The technical content was perfect."

— from Power Seminar participants

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