

LUNCH & LEARN TRAINING PROGRAM

Advancing Technical Knowledge | Supporting Professional Development | Delivering Practical Industry Insight



Process Combustion Corporation's Lunch & Learn series delivers high-value, engineering-focused education on combustion systems and air pollution control technologies. Each session is strictly non-commercial — our objective is to share knowledge, not to sell products.

Our engineers design and present content that emphasizes real-world application, system performance, design fundamentals, and operational best practices. Sessions are structured to support informed capital decisions, improve cross-functional team competency, and strengthen your organization's ability to evaluate and operate complex environmental control systems.

Whether your team is assessing new equipment, managing aging systems, or navigating evolving regulatory requirements, our sessions provide the technical foundation to move forward with confidence.

WHY ATTEND



Stay Current

Track evolving air pollution control technologies, emissions regulations, and compliance frameworks that affect permitting and operations.



Practical Insight

Gain actionable knowledge on system design, performance optimization, troubleshooting, and lifecycle cost considerations.



Team Capability

Strengthen your engineering team's technical confidence and cross-disciplinary decision-making on complex environmental systems.



CEU Credits

Earn Continuing Education Units (CEUs) applicable toward Professional Engineer (PE) licensing renewal requirements.

SESSION FORMAT

Each session is designed to maximize engagement and knowledge transfer within a standard lunch period. Presentations balance structured technical content with open dialogue, allowing attendees to apply concepts directly to their specific operational context.

- **Duration:** 60-minute interactive technical presentation, structured for engagement and knowledge retention
- **Q&A and Discussion:** Dedicated time for open questions, scenario-based discussion, and follow-up on facility-specific challenges
- **Delivery Options:** Available on-site at your facility or delivered virtually via your preferred conferencing platform
- **Audience:** Best suited for process engineers, environmental engineers, maintenance supervisors, and capital project teams
- **Customization:** Content is tailored to your process conditions, emission streams, regulatory environment, and operational goals
- **Materials:** Attendees receive a digital copy of the presentation and relevant technical reference materials

CORE TRAINING TOPICS

The following topics represent our core curriculum. Sessions may be delivered individually or combined into a multi-part series. All topics can be adapted to reflect your industry sector, process chemistry, and regulatory jurisdiction.

Combustion Systems — Fundamentals of Design	Core combustion principles, burner types and selection criteria, heat release profiles, fuel-air ratio control, turndown requirements, and system integration considerations for industrial process applications.
Thermal Oxidation Systems	Direct-fired and recuperative thermal oxidizer configurations, destruction efficiency fundamentals, residence time and temperature requirements, heat recovery strategies, and selection guidance across a range of VOC and HAP applications.
Regenerative Thermal Oxidizers (RTO)	RTO operating principles, ceramic media selection and maintenance, rotary vs. valve-switched configurations, purge cycle optimization, pressure drop management, and strategies for maximizing thermal efficiency and uptime.
Flameless Thermal Oxidation (FTO)	Ultra-low NO _x design methodology, flameless combustion mechanisms, performance characteristics in high-efficiency destruction applications, and comparative analysis with conventional thermal oxidation approaches.
Bio-Oxidation Systems	Biological treatment fundamentals for odorous and low-concentration organic emissions, media selection, moisture and nutrient management, system sizing, and application suitability relative to thermal and chemical alternatives.
Wet Scrubber Technologies	Wet electrostatic precipitators (WESP), venturi scrubbers, packed tower absorbers, and mist eliminators — system configurations, collection efficiency mechanisms, liquid management, and integration into multi-stage control trains.
Waste Heat to Power	An overview of available technologies, a technical and financial analysis and overview of monetizing waste heat from air pollution control equipment.
System Lifecycle & Capital Planning	Capital cost drivers, lifecycle cost analysis, common failure modes, maintenance best practices, and decision frameworks for system replacement, upgrade, or performance improvement projects.

CUSTOMIZATION & TAILORED CONTENT

No two facilities are the same. Our engineers take the time to understand your process, your regulatory environment, and the specific questions your team is working through before finalizing session content. Customization may include:

- **Process-specific case studies:** drawn from analogous applications in your industry sector
- **System performance review:** incorporating your current emission control equipment and known operational challenges
- **Multi-session series:** designed to build technical depth across an engineering team over several months

Our goal is to deliver content that is immediately relevant, technically rigorous, and directly applicable to the decisions your team faces today.

SCHEDULE A SESSION

To request a session or discuss how we can tailor a Lunch & Learn for your team, please contact:

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*Sessions are complimentary and available to qualified engineering teams and facilities.
We look forward to the conversation.*

PCC [®]

Your **Integrated Solutions** Provider
of Air Pollution Control Equipment

01	02	03	04
01 Design Compatibility Seamless integration across all systems from day one.	02 Technically Proven Field-validated by rigorous engineering standards.	03 Engineered Solution Purpose-built for the most demanding environments.	04 Risk Mitigation Proactive strategies that neutralise risk early.