



To successfully operate and manage your plant, you need a well-trained workforce.
ICT's On-Site Training provides flexible solutions designed to meet your specific plant needs.



INNOVATIVE COMBUSTION TECHNOLOGIES

Serving the power industry for over 25 years

ICT's On-Site Training will help you maximize the efficiency of your equipment, minimize the costly mistakes that can jeopardize your plant, and invest the potential of your employees. We offer a variety of training solutions for Operations, Maintenance and Technical personnel, conducted by high-caliber instructors who are coal-fired power plant experts.

ICT's On-Site Training designed and delivered to assure that your employees have the knowledge, skills and tools necessary to deliver operational excellence. We offer a broad range of training opportunities and can tailor our curriculum to meet your specific needs, including the type of boilers, coal-fired pulverizers and other auxiliary equipment found in each plant. As part of the training we also include topics that are of special interest or concern.

Common topics include but are not limited to: slagging, heat rate, fuel flexibility, combustion quality, tube failures, environmental compliance, generating capacity and more.



**PULVERIZER PERFORMANCE,
MAINTENANCE, RELIABILITY
AND SAFETY**







**COAL-FIRED BOILER AND
PERFORMANCE TRAINING**



**HEAT RATE ANALYSIS AND
IMPROVEMENT TRAINING**

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Pulverizer Performance, Maintenance, Reliability and Safety

Our Pulverizer Maintenance and Operation training covers the following:

- Relationship of pulverizer and unit performance
- Pulverizer capacity and performance
- Pulverizer Inspection guidelines
- Primary air flow and its effect on boiler and pulverizer performance
- Coal pulverizer fires and explosions



Coal-Fired Boiler and Performance Training

This seminar covers the following topics:

- Achieving optimum combustion, plant performance and boiler design challenges
- Boiler and coal mill testing techniques to optimize combustion
- Influences of coal and ash quality on boiler performance
- Coping with the challenges of firing low quality coals (Subbituminous, PRB, Indonesian, lignite and others)
- Causes and prevention of boiler slagging and fouling
- Basic combustion theory and control of NO_x
- Emissions
- Achieving optimal coal mill performance; findings and recommendations of recent mill tests
- Regenerative air heater operation and performance
- Interrelationships between operations, maintenance and boiler reliability



Heat Rate Analysis and Improvement Training

This comprehensive and customizable training seminar addresses the following topics:

- Interrelationships between efficiency, capacity, reliability and environmental factors
- Heat rate and generator efficiency
- Plant heat rate measurement
- Optimum combustion and effects of heat rate
- Understanding the interrelationships of cycle and fuel impact on combustion, reliability and plant
- Emissions



Innovative Combustion Technologies, Inc. (ICT) is first and foremost a service company. Based in Birmingham, Alabama, we have been serving the power industry since 1993. We provide cost efficient, reliable solutions to the most challenging problems. We specialize in offering assistance to power plants (with units ranging from 50MW to 1300MW) to resolve operational and maintenance challenges, optimize combustion, improve operating efficiencies, increase unit capacities, and minimize emissions.

ICT's strength is the combined manpower, specialized testing equipment, and expertise to provide comprehensive boiler and SCR/AIG tuning programs to meet the complex needs inherent in today's power industry.