



Combustion Experts
Design • Implement • Service

Combustion & Burner Management Controls Expertise

General Engineering California Contractor License #951993



Successful implementation of hundreds of combustion and emission control strategies.

Application: Steam and hot water boilers, industrial furnace, dryer, fluid bed incinerator or other combustion equipment.

A total turn-key solution from initial design, equipment supply, through installation & startup.

Design and supply of single and multiple fuel combustion control and systems integration, using the latest in **package** control technologies such as Allen Bradley, Siemens, Fireye, Nexus, and Autoflame.

Our Combustion and Controls team is staffed with seasoned specialists who's work history include companies such as: Rockwell Automation, Koch - John Zink, TODD Combustion and Coen. CTi service engineers have many years of experience in start-up/tuning/instrument integration/troubleshooting for a wide variety of combustion systems such as those manufactured by: Coen, TODD, Natcom, Pillard, Powerflame, Webster Engineering, Clever Brooks, Industrial Combustion, and Gordon-Piatt.

Custom approach using programmable logic controllers (PLC) often providing a more flexible and economical solution than microprocessor packaged systems.

Supply and installation of professionally assembled and quality tested custom panels that meet UL508 approval.

Survey existing plant fuel-fired equipment to rate your existing control system in compliance with safety codes such as NFPA, UL, FM, IRI, OSHA etc.

Helping customers with obtaining approval of systems with their insurance carrier or local regulatory agencies.

Since its establishment in 1976, Controltech has focused on combustion control and burner management systems. If the application involves a single burner or multiple burners, CTi can help you with your burner, combustion control and burner management needs.

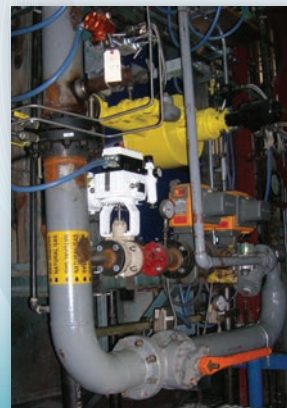


(925) 208-4250
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San Ramon, CA 94583

Capabilities

Burner

- Conceptual System Design
- Component Integration
- Start-up & Commissioning



Controls

- Custom Combustion Controls & Burner Management Systems
- Control System Integration
- Instrumentation, Calibration & Start-up



Selective Catalytic Reduction (SCR)

- Custom SCR System Design
- SCR systems for challenging applications
- Installation & Calibration



Emissions Monitoring

- CAM: Continuous Assurance Monitoring Solutions
- PEMS: Predictive Emissions Monitoring Systems
- CEMS: Continuous Emissions Monitoring Systems



Combustion, Emission and Steam Solutions

- Conceptual design
- Low and ultra low NOx burners and burner retrofits
- BMS and CCS system design and hardware
- Custom design SCR Systems
- Burner tune ups
- Pre-emission source testing measurements and evaluation
- Vapor recovery
- Particulate and CO2 control

Services

- Factory trained service personnel
- Commissioning and startup technical support
- Technical seminars and training
- Valve and actuator calibration and startup
- Instrument calibration and startup
- Complete turnkey project capabilities
- Heat rate, efficiency and plant improvement studies
- U.L. 508 custom design
- Project CAD drawings
- PLC Programming
- CFD and modeling

Valve and Automation Solutions

- Severe service valve sizing and selection
- Valve and actuation packages, pneumatic, hydraulic and electric
- Noise and cavitation control
- Total valve management programs
- Damper drives
- Vent to atmosphere and silencers
- Best fit for purpose replacement recommendations
- Ease of operation and life cycle cost considerations

Instrumentation Solutions

- Flow, level, pressure, density and temperature



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