

International Combustion and Controls

A Division of California Boiler

International Combustion and Controls (ICC) Associates have over 40 years of experience operating, maintaining, and improving power plants, utility plants, and industrial steam plants from 30,000 lbs/hr steam plants up to 750mw power plants firing any fuel. We are Subject Matter Experts in Steam Plant Operations and Maintenance, MFPA Burner Management Systems, Combustion Systems, and Control Systems.

We service and improve all types of Burner Systems

Single Point Positioning Parallel Positioning Parallel Positioning with Position Feedback Fully Metered/Cross Limited Oxygen/NOx/CO Trim Single and Three Element Level Control

We service all types of fuels

Natural Gas • #2 - #6 Oil Single, Dual, Multiple and Combination Firing Liquid and Gaseous Waste Fuels • Hydrogen



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ICC provides the following services

- Burner start-up, tuning and testing.
- Annual calibrations on all instrumentation.
- Burner Management Systems improvements and upgrades from Basic Microprocessor to Fully Redundant PLC Systems with First-Out Indication and Time-Stamping
- Combustion Control improvements and upgrades from Single-Loop to DCS and from Single-Boiler to Entire Steam and Water Plants



BMS Standard Offering

Panel Arrangement and Wiring Diagrams

BMS Sequence of Operations

I/O List

Communications Map for External System Ethernet IP, Modbus TCP/IP or Modbus RTU

HMI Screenshots



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