



# BURNER MANAGEMENT AND COMBUSTION CONTROL SYSTEMS

for the Power/Steam Generation Industry



BURNERS

FLARES

INCINERATORS

PARTS & SERVICE

# BURNER MANAGEMENT AND COMBUSTION CONTROL SYSTEMS

for the Power/Steam Generation Industry

Duct Burner  
HMI Screen



## Control upgrades or replacements that keep you in control.

Zeeco engineers the safest, most reliable, end-to-end combustion solutions for the power/steam generation industry. It's a bold statement – but one that's backed up by more than three decades of innovative technology, trust from customers on thousands of contracts and installations, and a maintenance track record that's second to none.

ZEECO® Burner Management Systems (BMS) and Combustion Control Systems (CCS) ensure your operation remains in compliance with the latest environmental regulations and ultra-low NOx standards, while maximizing efficiency and eliminating downtime due to aging controls.



*BMS Safety Simulation on Multi-Burner Boiler in Progress*

## The ultimate in safety, reliability, and efficiency.

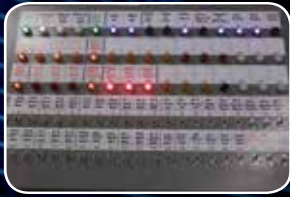
Your priorities are protecting your people, boiler, and facility. You demand equipment that operates reliably, no matter what the conditions. You expect the kind of efficiency that makes an impressive return on your investment.

At Zeeco, we combine all of these objectives – from the design phase incorporating multiple levels of safety and reliability, through manufacturing, rigorous testing, installation, integration of all field devices, startup, and commissioning. Zeeco's turnkey solution provides a single point of responsibility and contact, including comprehensive aftermarket parts and service expertise for every manufacturer's controls system, supported by our global manufacturing facilities to deliver your equipment on time and on budget.

Whether you need to upgrade or replace your BMS or CCS, the time to make the right choice, is *right* now. Choose Zeeco and put our expertise and knowledge to work for you.



*Completed BMS Enclosure*



*BMS Simulator  
Test Panel*

*CCS HMI  
Tuning Screen*



## System Features and Benefits

- Safe, reliable and efficient BMS and CCS are engineered and supplied with worldwide-approved processors, including Allen Bradley, Siemens, and Triconex
- Applicable for all utility, industrial, CFB, HRSG, and package boilers
- Engineered and designed for process applications, such as kilns, airheaters, and startup burners
- Multi-burner and multi-fuel designs for all systems
- Customer factory acceptance test with hardwire simulation testing to reduce the commissioning process from weeks to days
- Seamless integration into existing plant systems
- Optional Fault Redundant or SIL-2/3 functionality for PLC hardware
- Auxiliary design for flame monitoring for all management systems
- Turnkey installation, commissioning, and startup availability around the clock
- Full compliance with NFPA 85, API RP 556, EN 61508, EN 61511, OLF070 & ISA S84, EN 746-2 EN 0156, EN 12952-8, EN 298, IEC 61131, and more
- Full knowledge and compliance for all local, regional and worldwide codes and standards



*Package Boiler BMS HMI Overview Screen*



*BMS/CCS Customer Factory Accepted Test*

## The Zeeco difference.

### Combustion and environmental product solutions are our only business.

Zeeco is a privately held company that attracts the best and brightest engineers around the world. From our debt-free headquarters campus, we operate the largest industrial-scale research and test facility in the world and the first of its kind to become ISO certified. With offices on virtually every continent, Zeeco combines its global experience with local expertise to demonstrate a higher standard of excellence in our people, products, and processes.



**BURNERS**



**FLARES**



**THERMAL OXIDIZERS**



**PARTS & SERVICE**



**Zeeco Corporate Headquarters**  
 22151 East 91st Street  
 Broken Arrow, Oklahoma 74014 USA  
 Phone: +1.918.258.8551 Fax: +1.918.251.5519  
 E-mail: sales@zeeco.com

[Zeeco.com](http://Zeeco.com)



ZEECO® combustion solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.

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REGISTERED  
ISO 9001:2008

CERTIFICATIONS APPLY TO ZEECO HEADQUARTERS.