

Efficiencies Create Value from Honeywell's Boiler Control System Upgrade

Application Note

Challenge

Seeing an ongoing reduction in efficiency due to unreliable combustion systems on their dryers and boilers, a large ethanol producer and operator in the Mid-West U.S. contacted Honeywell Combustion Safety to upgrade some of the equipment's control systems.

Solution

Honeywell provided design engineering, components, project management, programming, installation, commissioning, safety and interlock testing and operator training in a single turn-key project.

Benefit

Results of the project included:

- Fuel Savings: 15% - 17% less natural gas use saving over \$200 a day and offsetting the cost of the upgrade in less than 18 months
- Energy Savings: Modern controls produce precise energy consumption
- Improved Reliability: Reduced downtime and accurate production
- Resilient Equipment: Ability to tune burners across the firing curve
- Decreased Start-Up Time: First attempt light off and reduced cycles on pilot equipment
- Single Turn-key Solution
- Increased Output



World Leader in Combustion Safety Services

With 30 years of industry experience, Honeywell Combustion Safety, formerly known as CEC Combustion Safety, is the world leader in managing and mitigating combustion equipment and fuel gas piping risk exposure. The company provides expert testing, inspection, training and engineering services for all types of fuel-fired systems across numerous industries throughout the world.

National Code Committee Member

- **NFPA 85** - Boilers greater than 12.5 MM BTU/HR
- **NFPA 86** - Furnaces & Ovens
- **NFPA 87** - Fluid Heaters
- **NFPA 56** - Standard for fire & explosion prevention during cleaning & purging of flammable gas piping systems

Facts and Figures

- Global service, engineering & upgrade capabilities
- Domain expertise with all types of fuel-fired systems across numerous industries
- 30,000+ fuel-fired systems inspected and safety tested
- SafeView - A unique online reporting system featuring a dashboard that trends and tracks issues, and empowers proactive decisions across one to 100+ facilities and thousands of fuel-fired systems
- Corporate-wide creation, implementation and management of safety programs
- Thousands trained annually with client-specific hazards, live-fire demos and online training
- Proven safety services to increase safety, reduce costs and increase reliability, efficiencies, and competitiveness while ensuring facility capacity

Our Mission

To save lives and prevent explosions while increasing the efficiency and reliability of combustion equipment.

For more information

Learn more about Honeywell Combustion Safety, contact info@combustionsafety.com, visit www.combustionsafety.com or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

Honeywell Combustion Safety
2100 Apollo Drive
Brook Park, OH 4 4142 USA
Tel: +1 216-749-2992

AP-17-20-US
September 2017
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