

PRODUCTIVITY ON TAP

Boiler Efficiency Gets a Boost
at a U.S. Brewery House.

Application Note

By combining programmable logic and configurable safety in a single, powerful platform, the SLATE™ system from Honeywell improves performance while delivering substantial fuel and cost savings.



Upgrading equipment in a manufacturing facility needs to be a quick and efficient process, especially when it comes to boilers that provide heat to a plant. When the customer – a US brewery house – wanted to upgrade the boilers in their canning facility with enhanced control capabilities, they turned to Honeywell. The result? A transition from a mechanical linkage system to a linkageless one, incorporating everything into one seamless, state-of-the-art platform with SLATE.

SOLUTION

The SLATE Combustion Management System lets Honeywell provide a single, streamlined solution to control boiler operation and optimize the Fuel Air Ratio monitoring. It also reduces system complexity by decreasing the number of external relays, and communicating to a supervisory Programmable Logic Controller (PLC).

The Burner Control Module provides a safe way to control and monitor boiler operations. SLATE enables connectivity to the client's already-existing supervisory PLC, letting the system start and stop the boiler as needed.

Additionally, the Fuel Air Ratio Module improves boiler efficiency and increases fuel savings by controlling air and fuel at tighter tolerance levels.

BENEFIT

- Combines programmable logic and configurable safety into a single platform.
- Improves efficiency and safety of the brewing process through optimal burner control.
- Facilitates easy communication between the PLC and the SLATE system.

THE NEEDS

- Upgrade the boiler control and mechanical linkage systems.
- One overall platform to control boiler operation and communicate to a supervisory PLC.
- Control the burner for optimal efficiency and safety.

Honeywell

For More Information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Controls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.Honeywell.com or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

2101 CityWest Blvd.
Houston, TX 77042

www.honeywellprocess.com

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