

**Honeywell**

# Brewing Up Success

Honeywell's Dynamic, Integrated Combustion Management System Helps Produce Quality Beer in Mexico.

SLATE™ conserves energy via Fuel Air Ratio Control – enabling the boiler to maintain a consistent temperature throughout the brewing process and ensuring quality is always on tap.



Case Study





**Beer production is a precise operation that requires following specific steps to ensure quality. Boilers are used throughout the entire brewing process to generate a continual flow of hot water at stable temperature levels. Additionally, with natural gas as a fuel source, safety measures are an essential factor in the entire process. Therefore, it is crucial for operators to have constant control over the fuel and air to create the optimal boiler efficiency and over the water temperature to fully manage and control their machinery. Honeywell serves up the perfect solution with SLATE.**

### **The Needs**

Control water temperature.

Monitor gas flow consumption.

Control burner for optimal efficiency and safety.

### **The Solution**

SLATE delivers all the tools needed to create Proportional Integral Derivative (PID) controller loops that monitor and keep the water temperature at the optimal degree of operation.

The Fuel Air Ratio system safely controls the flow of fuel and air going into the production equipment, saving significant time and money. In addition, the system creates intuitive charts and visual analytics that enable operators to monitor the pressure and temperature of the boiler throughout all stages of operation.

SLATE ensures that the beer-making process benefits from a stable flow of hot water when needed, resulting in a quality end-product.

### **The Benefits**

- Smooth, seamless installation facilitates easy, intuitive temperature control, and monitoring functions.
- Improves efficiency and safety throughout the brewing process.
- Decreases fuel consumption, saving energy and money.

### **For More Information**

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Safety, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit [ThermalSolutions.honeywell.com](http://ThermalSolutions.honeywell.com) or contact your Honeywell Sales Engineer.

### **Honeywell Process Solutions**

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