BOILEREYE™ MONITORING PROGRAM

SIMPLIFY THE COMPLEX

Historically it's been difficult to have all the needed information available in one location. Our BoilerEye™ Monitoring Program simplifies the collection and analysis of data 24/7.

IMPROVE EFFICIENCY

That which is not measured is not managed. Monitoring the key parameters of a boiler system helps identify lower than-desired efficiencies so that energy costs can be reduced and returned to the bottom line.

EASY SHARING

Often owners don't have the skill sets in-house to understand how to impact their boiler efficiencies. Since all the data from the RemoteLobes™ is saved in the ProcessCentral™ online historian, owners can grant access to specialists who can help interpret the data from anywhere and at any time. There's no need to try and mine a DCS system for data.

ECONOMICAL

Capital cost and human capital investment can be a challenge when monitoring multiple boilers. Our Managed Program eliminates those concerns by providing all the equipment and services for a low annual fee in a manner like a cell phone. Let us worry about all the details while you extract the value from the data.
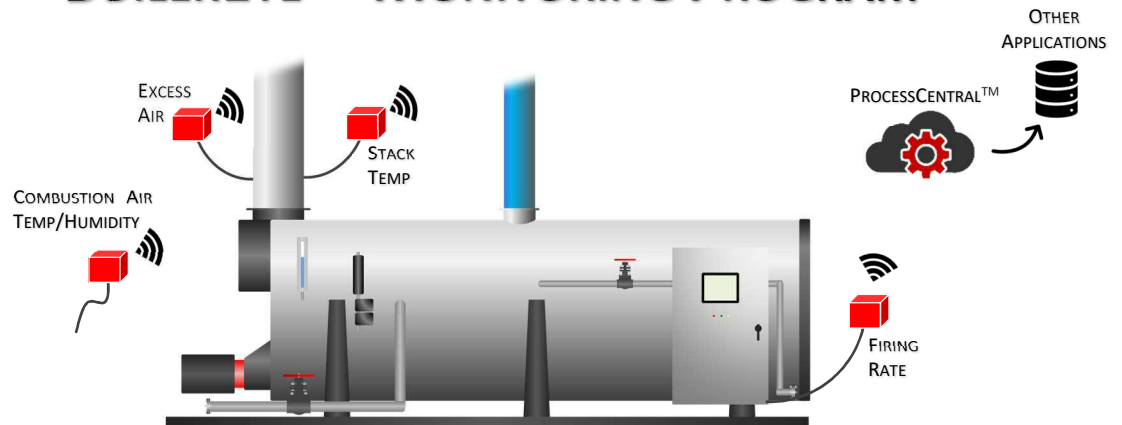
THE PROBLEM

Industrial boiler systems are typically one of the largest energy users in a facility. The combustion and heat transfer processes are complicated, and the overall boiler efficiencies are a function of many variables. Typically, the extent of monitoring amounts to a boiler operator recording a stack temperature on a log sheet once per shift.

Days, months and sometimes years can pass by with boilers operating at lower-than-desired efficiencies, costing organizations significant operating capital due to the increased energy usage. Until now, there has been no simple and economical method to gather this data and get it into the hands of those who can provide useful insight.

THE SOLUTION

Our BoilerEye™ Monitoring Program provides a simple, cost-effective way to monitor and identify boiler efficiencies. By monitoring 4 key variables, the BoilerEye™ Monitoring Program can provide operations personnel with valuable insight into how their boilers systems are operating under a variety of conditions. Our BoilerEye™ monitoring program has the ability to:

1. Accept a 4-20mA signal to monitor the firing rate
2. Accept a 4-20mA signal to monitor excess air
3. Accept a T1 Series insertable temperature sensor for monitoring the stack temp (or another 4-20mA sensor)
4. Use our AmbiAir™ sensor to monitor the temperature and humidity of combustion air

The data within ProcessCentral™ can be kept internal to the organization, or it can be shared with companies that can directly impact their boiler operations like water treatment and combustion specialists.

THE FEATURES AND BENEFITS

✓ Simplify data collection & make it easy to share
✓ Gain insight into the relationships between multiple variables
✓ Optimize combustion efficiencies
✓ Lower carbon footprint by reducing fuel usage

PROGRAM OPTIONS

- New or Existing Sensors
- Purchase Equipment Out-Right or Managed Program…Fixed annual fee – no upfront capital & no worries
- MODBUS Interface – COMING SOON

STANDARD PACKAGES

PARAMETER	DESCRIPTION	PACKAGE		
		BASIC	ENHANCED	PREMIUM
STACK TEMPERATURE	*1 RemoteLobe™, 1 cable, 1 insertable OR surface-mount temp transmitter*	✔	✔	✔
EXCESS AIR/O₂	*1 RemoteLobe™ w/25' Twisted-Pair Cable (No sensor included)*		✔	✔
INTAKE AIR TEMP + HUMIDITY	*1 AmbiAir™ RemoteLobe™*		✔	✔
FIRING RATE	*1 RemoteLobe™ w/25' Twisted-Pair Cable (No sensor included)*			✔

OTHER OPTIONS/CONFIGURATIONS AVAILABLE

- Add steam drum or BFW pressure
- Monitor multiple boilers at same time
- Record fuel flow rates as part of KPI or overall efficiency calculations
- Record steam or BFW flow rates as part of KPI or overall efficiency calculations
- MODBUS capable RemoteLobe™ coming soon
- Purchase equipment out-right or part of a ProcessEye's Managed Program