

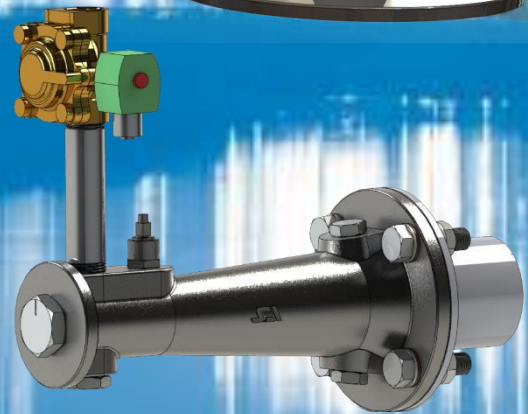
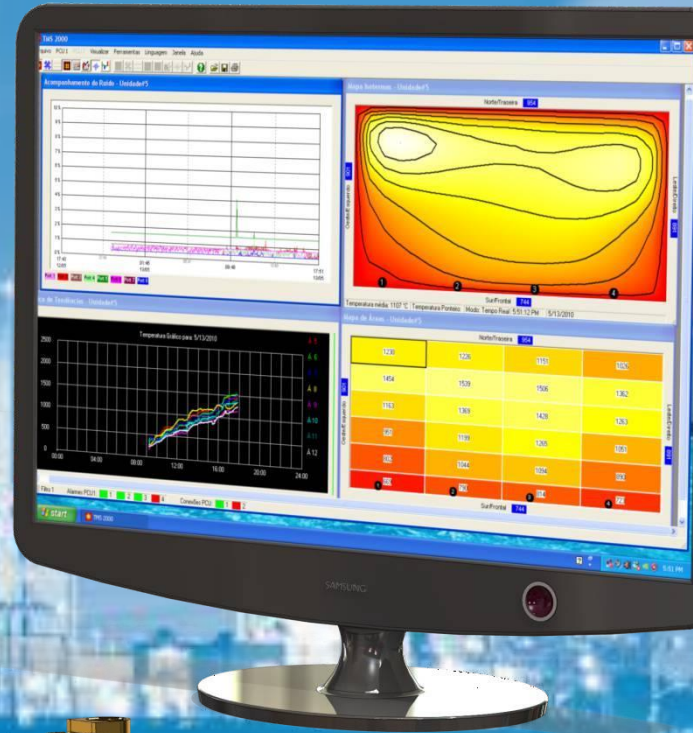
## Safety, Reliability and Economical



-Reduction of excess air is the simplest method in achieving an increase in efficiency.

-Excess air are at levels of 10% to 30% depending on the process.

- The optimization of combustion with the **Boilerwatch MMP-II-SSX-LD** has shown to increase efficiency 2 to 5 percent in power boilers.
- The optimization of the combustion with the **Boilerwatch MMP-II-SSX-LD** has shown to increase the throughput 2.8 percent in an ethylene reformer.
- Using **Burnerwatch™** Acoustic Flame Detector assures correct air fuel mixtures allowing for precise burner control.
- **SAVE Money** in industrial insurance from accidents and damages.
- **SAVE Money** with less maintenance and unexpected downtimes.
- Heater monitoring is enhanced when the **BOILERWATCH®** is installed.
- Tube leaks within the fire box can also be detected by the Acoustic Pyrometer technology.
- Quick and reliable detection of **flame impingement** on the heater process tubes.
- Monitoring of **hot spots**.
- Reduce coking buildup.
- Flame Detection on / off.
- Flame fault detection - long flame / wide flame.
- Proactive and non-reactive operations.



### SMALL INVESTMENT FOR GREAT SAVINGS AND SAFETY

## BOILERWATCH® MMP-II-SSX

Benefits with Acoustic Pyrometer

Master Distributor  
Greenbank Energy Solutions Inc  
185 Plumpton ave  
Washington Pa 15301  
724-413-4021



# TURCENI BOILER 3 & 4



**BOILER 3**



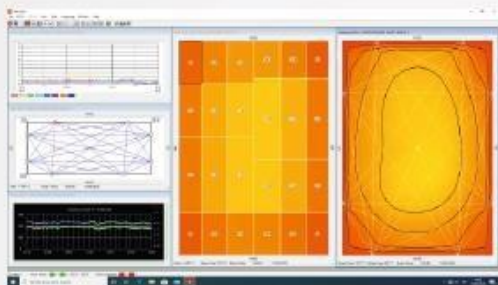
**PC SERVER BOILER 3**

Forward to Ethernet

OPC Data output  
24 Area zone  
Leak detection



**PC CLIENT BOILER 3**

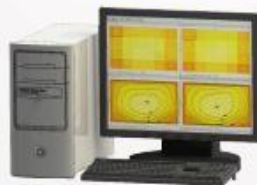


SCNR Control

Ammonia Injection Control



**BOILER 4**



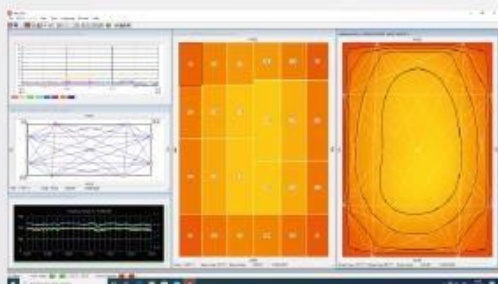
**PC SERVER BOILER 4**

Forward to Ethernet

OPC Data output  
24 Area zone  
Leak detection



**PC CLIENT BOILER 4**



SCNR Control

Ammonia Injection Control