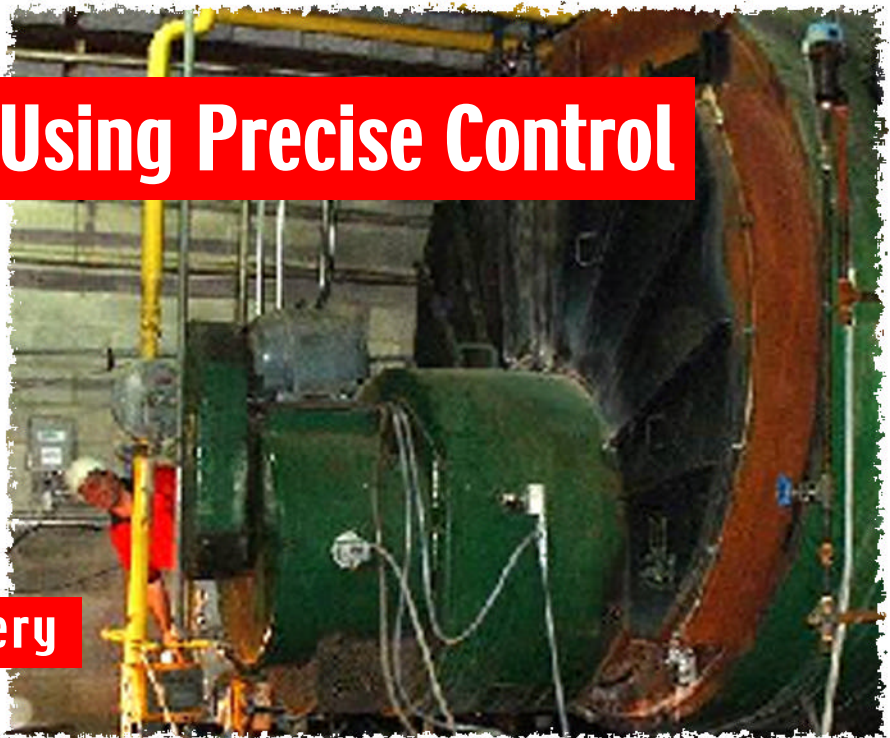


Fuel Efficiency Using Precise Control



Level Valley Creamery

A Nexus burner control system was fitted to the Johnston boiler/burner combination at the Level Valley Creamery in Nashville Tennessee. The 900HP boiler was originally installed in 1974.

The Nexus retrofit system provides burner management, combustion management, O2 Trim and supervisory



control and data acquisition. The fully integrated system was applied to improve the efficiency of the burner and reduce CO emissions.

In addition the O2 Trim was purchased to observe and maintain combustion levels at

commissioned values irrespective of fuel and barometric conditions.

The site fires natural gas via a Johnston 536AHG burner, with the boiler operating at 135 PSI. The Nexus system was sold through JRB Controls and installed and commissioned by Boiler and Heat Exchange Systems both based in Chattanooga Tennessee.

Initial short term tests have shown fuel reductions of 4.5% and significant improvements and stability in CO emissions.

Full remote monitoring software, allows the site management access to continuous logging and trending of system data.



Thinking Beyond the Traditional...

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