Clyde Bergemann Power Group (CBPG) Provides Optimal Steam Saving Results with SMART Clean™ Technology for Brazilian Pulp Mill

A leading Brazilian forestry company and eucalyptus pulp producer, recently installed a new SMART Clean™ system at one of their recovery boilers. Since starting operations, not only has the boiler run time improved, the sootblowing energy and steam consumption has also reduced significantly.

The pulp mill needed a solution that provided steam reduction for one of their recovery boilers so they could decommission an existing power boiler on site while maintaining their production rates. To achieve this, CBPG installed a new SMART Clean™ system on one of the recovery boilers during Spring of 2017. SMART Clean™ is a boiler cleaning optimization solution that intelligently manages sootblower operations. The system is designed to minimize steam consumption while maintaining boiler cleanliness therefore run-time and efficiency. It intelligently identifies fouling and targets sootblowing by dynamically increasing or selectively reducing the sootblower's cleaning intensity. As a result, the SMART Clean™ technology can reduce total energy costs while meeting run-time requirements. Since the SMART Clean™ system was commissioned, it has already reduced steam consumption from 65 tons/hr to 50 tons/hr, enabling the mill to decommission the existing power boiler and maintain their production rates as planned. Additionally, they increased run-time as they did not need to carry out the typical monthly "chill and blow" load reducing cycles performed on the boiler, providing further operational savings for the mill.

"We are happy to be able to provide the significant steam saving results at the mill," said Dominick Garton, President of the Clyde Bergemann Power Group Americas. "This clearly demonstrates our SMART Clean™ technology's ability to help our customer's achieve their objectives through boiler cleaning optimization, performance and operational."

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