

CASE STUDY

Achieving Operational Excellence is a Top Priority

Challenge

Energy efficiency was a top priority for a Great Lakes Region power producer. The plant aimed to become the most efficient plant to convert PRB coal into electricity. Such an aim requires more than just management's ambition, it is a multilayered operational commitment.

Solution

The customer implemented EtaPRO VirtualPlant for quantifying resulting changes in capacity and heat rate. Targeting specific areas of deviation from design plan performance allows the customer to take a proactive measure to improve heat rate.

Impact

The client met its commitment of energy efficiency and achieved the #1 Powder River Basin heat rate ranking in the US according to the US Energy Association's 2012 End of Year Heat Rate Benchmarking Report.

The customer achieved the **#1** Powder River Basin (sub-bituminous coal) heat rate ranking in the US.

RESULTS

The Unit 2 burns less fuel than any other coal-fired generating unit in the country, while producing the equivalent amount of electricity, with at least 10% less greenhouse gases.

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