

ULTRAMAX[®] Application Profile

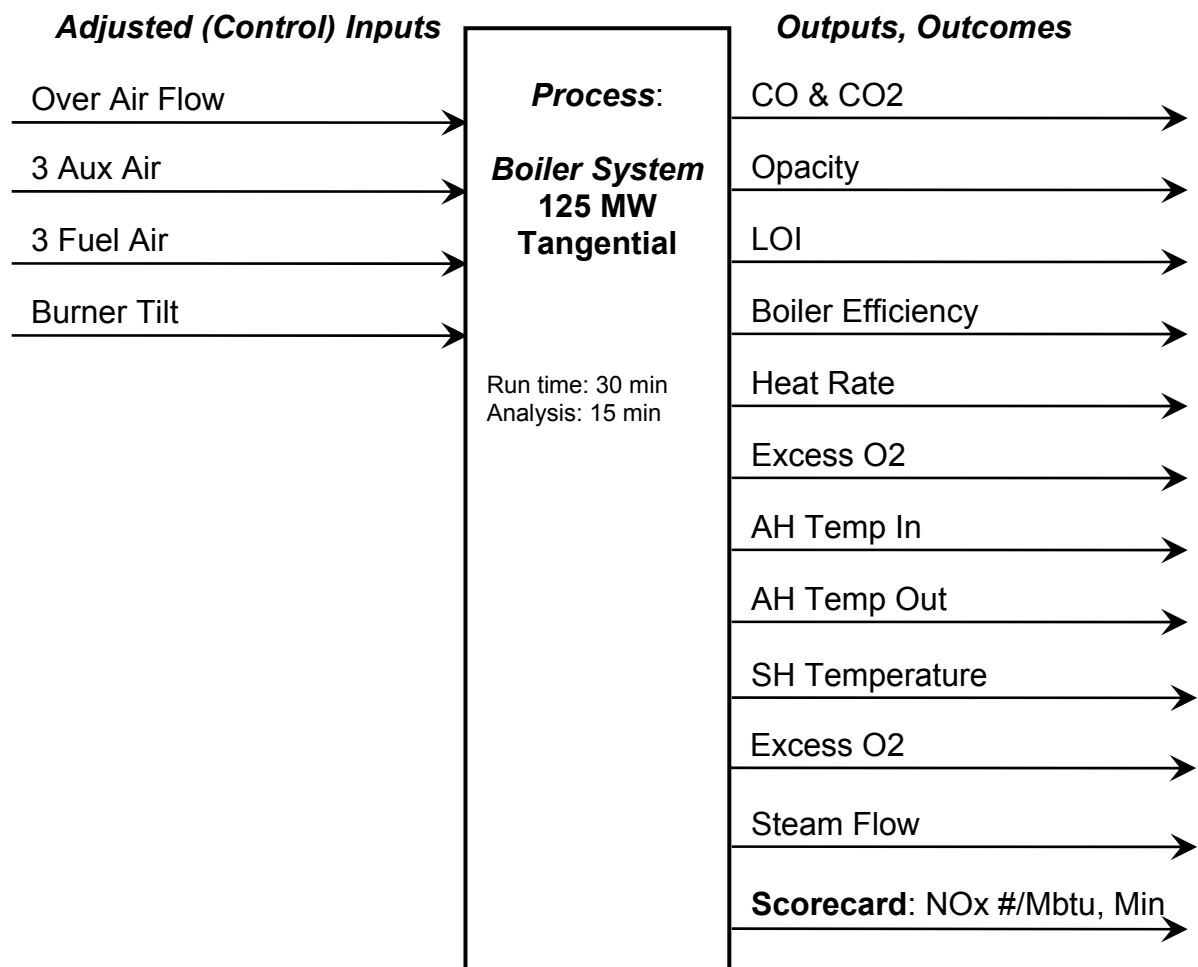
Power Generation: NOx Reduction

Process: Tangentially fired, coal-fueled boiler generating steam for a 125 MW generator.

Objectives: Reduce NOx stack level while satisfying safety and process reliability conditions.

Results Summary: NOx was reduced 21% to a level below EPA specifications. Heat rate was reduced 3% and LOI was reduced 31%.

DECISION INPUT/OUTPUT DIAGRAM



Optimizing the Scorecard implies satisfying constraints (not shown)