



# Operations Performance Management

For Power Generators

Align operational priorities to business strategy across the fleet, regardless of OEM

Operations Performance Management is a digital solution that provides critical decision support and improves productivity by pushing the operating envelope to capitalize on more economic operations for every plant in the fleet.

## Benefits

- Improve productivity across the fleet with fact-based actions
- Compare plant performance to historical or to other plants to determine trends, allowing power executives the opportunity to influence change
- Improve operational productivity by coordinating isolated activities
- Gain operating insights including monitoring & diagnosis against targets by site across the fleet
- See recommended actions and model the impact before changes are made

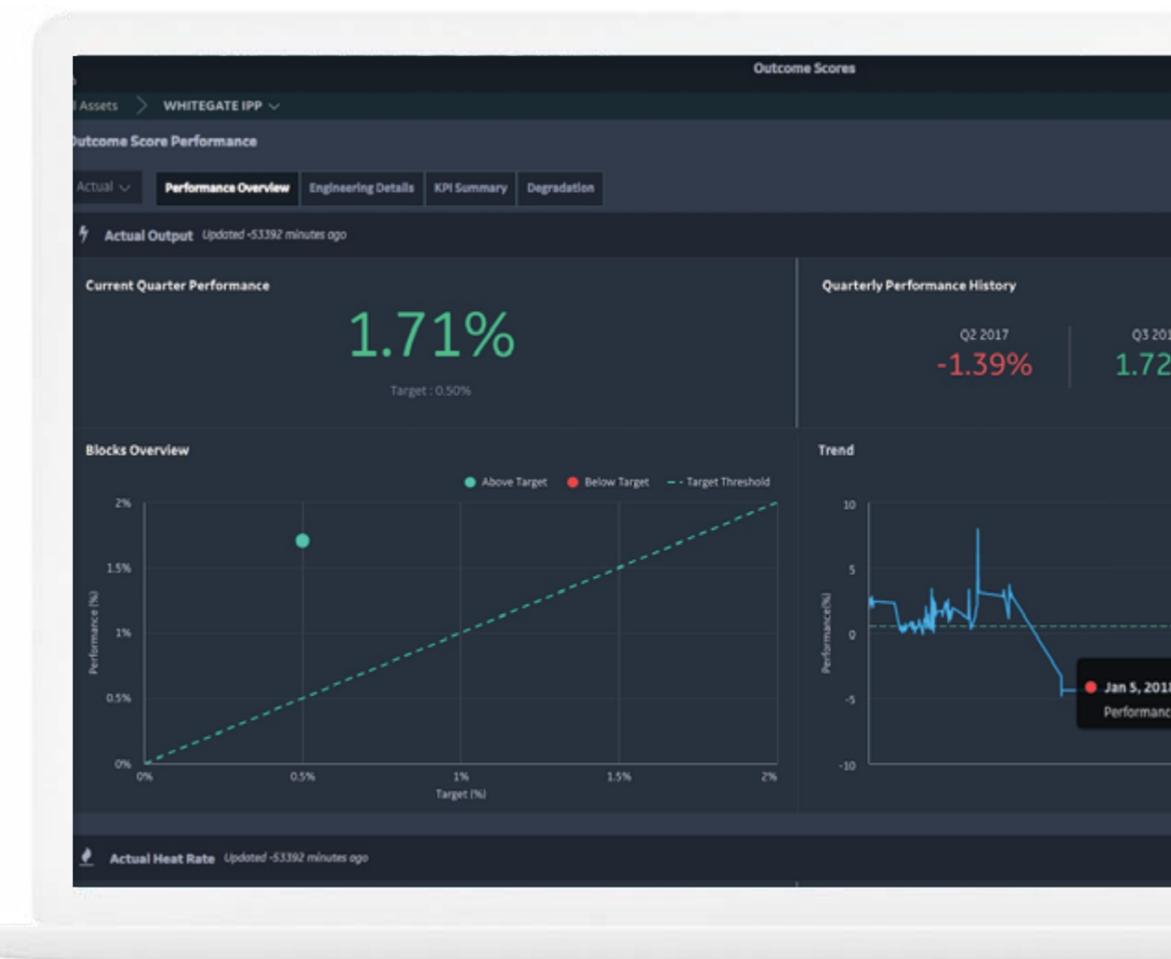
Enabled by edge-to-cloud technology and built on Predix, the solution analyzes historical, plant and other data sources to monitor and diagnose issues or areas of improvement, deliver executable advice or close the loop and drive desired outcomes for better efficiency, flexibility, capacity and emissions.

The solution allows power generators to directly align operational priorities to business strategy at scale across their fleet, regardless of OEM.

Operations Performance Management is comprised of two modules:

## 01 Strategic Planning

Helps central operations, fleet managers and power plant managers create production plans across many planning horizons for the power generation assets in the fleet. The solution leverages KPIs, advisors and scorecards along with scenario analysis to determine the best plant configurations to meet desired production schedules and achieve target results. The production schedule generates a runbook that has more granular operational detail in the short term and automatically updates operational plans based on actual plant activity, events and results.



Track productivity by plant against targeted performance metrics



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### 02 Plant Optimization

Provides the visibility, insights, advanced analytics and decision-making support to enhance the portfolio and improve KPIs. With automation and sophisticated optimizers, Plant Optimization can close the loop to hit desired results. This solution gives plant managers the capabilities they need to achieve production targets, run the plant more often and improve the company's return on assets. Plant Optimization:

- Improves [efficiency](#) by helping central operations and plant managers reduce fuel costs, improve heat rate and manage operating margins across the fleet.
- Increases flexibility by providing insights and recommendations that help plant managers identify the optimal configuration, start faster with lower start fuel costs, speed ramp up and achieve lower turndown.

- Boosts capacity with more accurate dispatch forecasting given ambient conditions and the ability to raise baseload output with a power reserve or achieve peak capacity at lower operating costs.
- Lowers [emission](#) rates for NO<sub>x</sub>, SO<sub>x</sub> and CO<sub>2</sub> by determining the operating thresholds during start up, turndown, full and part load that comply with regulatory guidelines and emissions goals.

### Gas Power Plant Case Study

Learn how A2A is using GE's Operations Performance Management software at its Chivasso power plant in Northern Italy.

WATCH VIDEO

### Steam Power Plant Case Study

Learn how OMU in Kentucky reduces emissions and improves heat rate with GE's Operations Performance Management.

WATCH VIDEO

Find out how Operations Performance Management can help you align operational priorities to business strategy across the fleet, regardless of OEM

LEARN MORE



See recommendations for improvement based on trends, events, or conditions