

CASE STUDY

Real-Time Plant Performance Monitoring at Aluminum Conglomerate

Challenge

A large Middle Eastern plant that produces power for the area's aluminum smelters, desalination plant, as well as the country's power grid, was looking for ways to improve its overall output. Although production is spread across several units, a seventh block was added to augment the steam production for the desalination plant and power the needs of the aluminum plant.

Solution

Based on the operational requirements, a real-time P&D Assets Performance Monitoring System was selected. The system was installed on the business network to allow full visibility to anyone with access to the network. The system provided first principles modeling of key components and facilitated the modeling of the steam exchange between multiple blocks.

Impact

Using the EtaPRO system, plant operators have been able to easily identify process and performance inefficiencies and the performance impact on the plant. Now fully informed, the staff can determine the root cause of issues and take appropriate action.

"The web-browser tools make it easy to share data with management and other stakeholders."

- Staff supervisor

RESULTS

The ability to easily view performance data on-line and in real-time is a clear benefit of the system.

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