



InFocus™ Unit Monitoring Tool can provide alerts regarding unit operations

Energy lives here™

Challenge:

A refinery produces high-quality, Group II base oil using MSDW™ Catalyst. Historically ExxonMobil Technical Support had received process condition data to periodically evaluate unit performance and provide technical recommendations on catalyst aging and unit operations. Recently, an operational upset caused rapid catalyst deactivation and was not identified due to unavailability of data for the ExxonMobil experts. Because the unit is on an annual monitoring cycle, the catalyst suffered high deactivation for ~13 months. Late detection of deactivation caused a 6 month delay in catalyst order and changeout, leading to suboptimal product quality for 6 months.

Solution:

The InFocus™ unit monitoring tool enables timely technical insights to improve process performance. Drawing on ExxonMobil's breadth of technical and operational experience, the monitoring tool provides users with easier access to ExxonMobil expertise, early identification of potential operational concerns and more meaningful analysis. In this case the deactivation of the catalyst could have been identified early on potentially avoiding reduction in yield and an increase in energy consumption.

Potential savings: >\$100,000 over 6 months

Collaborate with us today.

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