



Monitoring Machinery Performance

Voiceover

Within Chevron's Energy Technology Company's Facilities Engineering group, the Machinery and Power Support Center (MPSC) leverages predictive analytics to monitor machinery performance at a centralized and local level.

In the central MPSC, and in several business unit Equipment Decision Support Centers (EDSC), experts provide remote equipment condition monitoring, performance evaluations and optimization analysis to identify abnormal performance, enable preventative maintenance and avoid unplanned shutdowns.

Rather than waiting for equipment to fail and then doing a diagnosis, the MPSC and EDSC teams monitor rotating equipment operating parameters, feeding the data into a model that gives advanced notice of potential failures or maintenance needs.

This proactive process reduces unplanned downtime, allows work-order coupling and can identify if additional spare parts should be on hand.