

Startup Monitoring

Preventing failure during dynamic operation

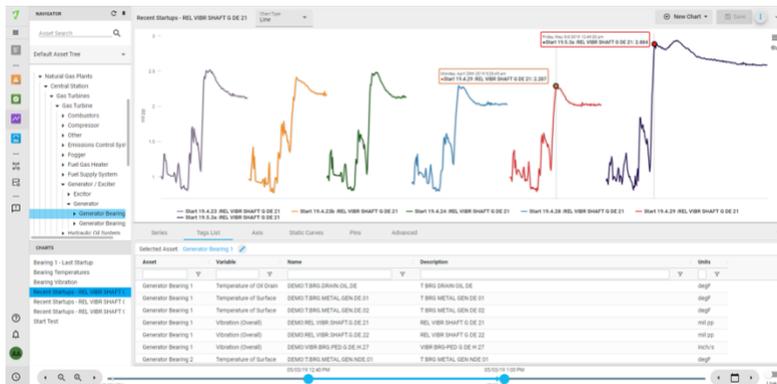
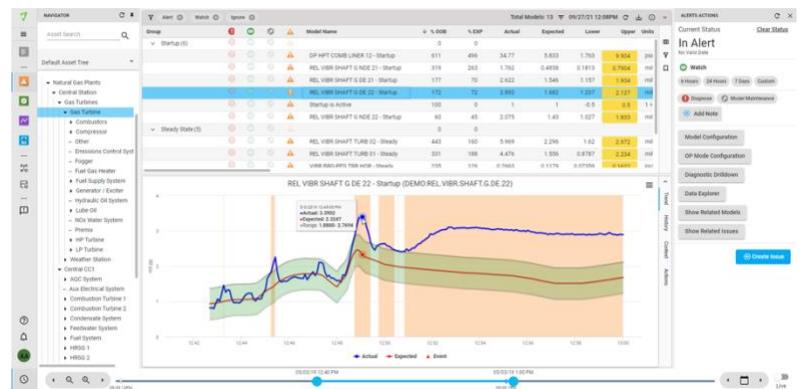
Utilities rely on combustion turbines to start quickly when demand peaks. The financial impact is significant if these assets are unavailable when the price of power is at its highest. However, the dynamics of a startup make monitoring challenging which creates a gap in coverage when stress is heightened from changing speeds, temperatures and pressures. That's where startup monitoring with **AtonixOI** provides peace of mind.

Startup Monitoring with **AtonixOI** ensures that combustion turbines start when they are needed. Predictive models that are trained with higher frequency data detect emerging performance and reliability issues, giving plants an opportunity to resolve issues before the combustion turbine is needed again.

Key Benefits

PREDICTIONS FOR EACH OPERATING MODE:

Our machine learning algorithms adapt to different operating modes. Startups and shutdowns leverage higher frequency data and are trained with the unique operating behavior during these periods. Once the combustion turbine is up and running, our traditional alerting approach takes over. With asset monitoring across all phases of operation, these critical assets are monitored from start to finish each and every time they run.



COMPARE STARTUPS: Powerful pinning functionality within **AtonixOI's Data Explorer** makes it easy for users to compare a combustion turbine's most recent startup to historical startups to diagnose the root cause of emerging issues. Users can also compare startups across turbines to better understand baseline behavior across the fleet.

ASSESS ECONOMIC IMPACT: Quickly estimate each issue's impact on reliability, efficiency, capacity, and maintenance cost using **AtonixOI's Impact Calculator**. Track asset performance history, status, and associated work orders for enhanced communication between maintenance and performance engineering teams.

To learn more about Atonix Digital and the AtonixOI Platform, visit Atonix.com.