

Predictive Maintenance & Prognostics

Predictive Maintenance

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Predictive Maintenance & Prognostics

A holistic solution for prognostics and predictive maintenance that brings together data, engineering, analysis, modeling, operations, and decisions in a secure, collaborative environment.



01 — Operations

- Demand Forecasting
- Supply Planning
- Maintenance Schedules Optimization
- Early Fault Detection

02 — Analytics

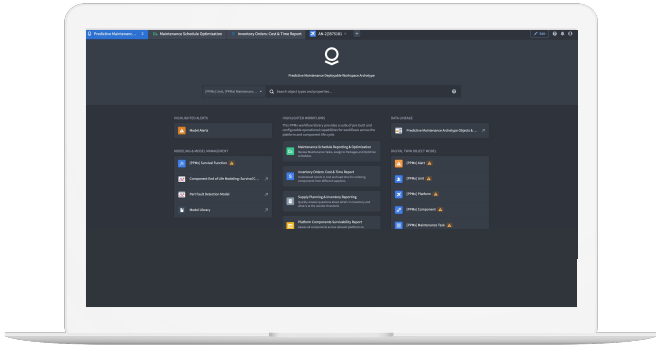
- Readiness Impact Assessment
- Health Alerting
- Cost & Budget Analysis
- Model Management
- Multi Dimensional Time Series
- Component Remaining Usable Life
- Historical Analysis
- Anomaly Detection

03 — Data

- ERP Integration
- Distributed Compute & Storage
- Network Integration
- Sensor Fusion

— Organizations need the ability to see and understand the health of their assets and their complex interdependencies. Foundry's Predictive Maintenance & Prognostics application allows operators to make informed, proactive, and cost-effective maintenance decisions, reducing downtime, improving availability, and optimizing maintenance scheduling.

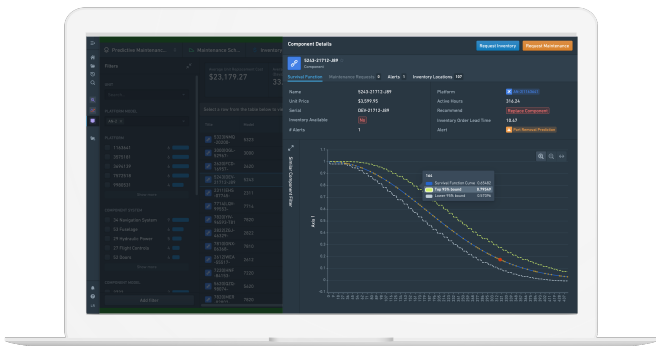
A Single Interoperable Source



A single solution for tactical, operational, and strategic use across echelons, the application allows users to:

- Build a unified digital twin of any enterprise.
- Run analysis and reporting at any technical level with no-code/low code workflows.
- Leverage a comprehensive picture of enterprise operations and supply chains.
- Test hypotheses and simulate outcomes for strategic planning with advanced AI/ML tools.
- Integrate, test, and improve advanced predictive models to prevent issues.

Out-of-the-box capabilities



Foundry's Predictive Maintenance & Prognostics tool offers a full suite of pre-built and configurable software offerings that can quickly unlock the full value of asset and maintenance data:

- Instantly access relevant data, algorithms, reports, and analytic tools tailored to their roles and responsibilities.
- Integrate additional government, OEM, and third-party models as required.
- Navigate smoothly from fleet readiness to production planning and supply optimization, all in one collaborative and secure place.
- Easily understand and balance the costs associated with maintenance events and their impact on the broader mission.