

GoDirect™ Connected Maintenance for Mechanical Components

Features

- Connected Components program provides an oncondition / predictive maintenance service and helps reduce unscheduled maintenance events due to failed components. Monitor mechanical components and generate specific, actionable alerts to implement preventative health monitoring solutions.
- Diagnostic and Health Monitoring provides digital transformation from scheduled preventive maintenance to predictive maintenance with enhanced reports & data trends indicating system health utilizing existing aircraft data
- Predictive Maintenance offers component level insight into system issues, notifications, recommended actions and applicable reference to the aircraft maintenance manuals
- Asset Management and Inventory Control by helping track assets and maintain inventory at optimal levels for the Airlines
- Connected Components utilizes existing aircraft data and provides alerts in real time. It requires no costly retrofit. The service is delivered over the web through a secured website that customer has access to.

Customer benefits at a minimum in the following categories:

- Reduce preventive maintenance costs (labor hours, fuel burn, parts replacements)
- Reduced troubleshooting labor
- Less ground equipment usage (possible)
- Improved first time fix rate
- Reduced no fault founds penalty
- Fewer premature part removals
- Reduction in delays and cancellations



On-Condition / Predictive Maintenance from Unscheduled Maintenance events

- Reduction in number of operational disruptions
- Fewer unscheduled maintenance events due to failed components

Asset Management and Inventory Control

• Track assets and maintain inventory at optimal levels

Operation

- Uses QAR Data, Fault Data, ACMS reports, flight schedules, schedule disruptions, maintenance data, MRO shop data, and Weather data
- Alerts provide heath check, components analysis, recommended actions

Value to Airlines

- Maintenance Team:
 - Convert Unscheduled Maintenance events to On-Condition / Predictive Maintenance
 - Reduce NFF rates & early removals.
 - Reduce component life unpredictability.
- Flight Ops Team: Reduce schedule disruptions caused by unexpected component failure

Solution Overview

- Reduce Schedule and Operational Disruptions due to component failures
- Proactively manage the health of critical components on aircraft

Input Data



- ACMS reports & QAR data
- Maintenance and Tech Logs

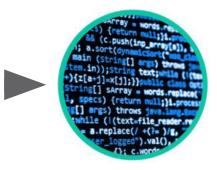


- Actual flight schedule
- Schedule disruption events



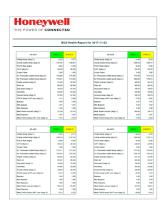
- Maintenance data
- MRO shop data

Advanced Analytics



Analyze data in real-time to identify on-condition problems

Maintenance Alert



Proactive, actionable tasks, and troubleshooting

Honeywell Aerospace

