



GO BEYOND

FAST™ SOLUTION

Full-Flight Intelligence + Automated
Propeller Vibration Trend Monitoring

KNOW YOUR ENGINE FROM THE INSIDE OUT

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FAST™ SOLUTION

UNPARALLELED DISPATCH AVAILABILITY AND REDUCED OPERATING COSTS

Our FAST™ (Flight Data Acquisition, Storage and Transmission) diagnostics and prognostics solution captures, analyzes and wirelessly sends full-flight data intelligence to you within minutes of the pilot shutting down the engine so you can maximize aircraft availability, optimize maintenance planning, reduce operating costs, and avoid delays and cancellations.

OVERVIEW

- Full-flight monitoring from start-up to shut down.
- Hands-free cellular data transmission from aircraft to P&WC data center.
- Rapid analysis of engine and aircraft parameters.
- Engine events and exceedances emailed directly to operators and maintenance technicians within 15 minutes of the pilot shutting down the engine.
- Engine trend data available for review online within 15 minutes of engine shut down.
- Wireless transmission of Flight Data Recorder (FDR) data within moments of the pilot shutting down the engine.

FULL-FLIGHT ENGINE AND AIRCRAFT DATA INTELLIGENCE



**AUTOMATED CAPTURE
AND TRANSMISSION**



ADVANCED ANALYSIS



RAPID ALERTS



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BENEFITS

- Maximizes aircraft availability.
- Supports aircraft troubleshooting and rapid return to service.
- Reduces operating costs.
- Optimizes planning and on-condition maintenance.
- Reduces pilot and mechanic workload.

FAST™ STC CERTIFICATION

- Air Tractor: AT-402, AT-402B, AT-502, AT-502A, AT-502XP, AT-502B, AT-602, AT-802 & AT-802A
- Thrush 510P
- ATR42-500, ATR42-600, ATR72-500 and ATR72-600
- Bombardier Q200, Q300, Q400 and Learjet 60
- Dassault Falcon 7X and 8X
- Leonardo Helicopters AW139
- PC-12/45, PC-12/47, PC-12 NG
- Textron Aviation: Beachcraft King Air 200/300, Cessna Caravan 208/208B and Cessna Latitude 680A
- Daher TBM 910, TBM 930 and TBM 940

FAST™ SOLUTION TECHNOLOGY

Data Acquisition

Full-flight data* collected and stored in the FAST™ processor.

Wireless Transmission, Management & Analysis

Automatically and securely transfers data after each flight to P&WC data center/CAMP for analysis.

Customers receive an automated email alert notification for events and exceedances.

Trend Monitoring

Fully integrated end-to-end solution for engine condition trend monitoring.

FAST™ Propeller Balance Trend Monitoring Solution certified for regional applications.

Predictive and Preventative Insight

In-flight capture of automated and pilot-initiated snapshots and traces.

Proactive maintenance planning and increased availability.

Accelerated return to service through rapid AOG resolution and remote troubleshooting.

Reduced pilot and mechanic workload as well as ability to monitor engine health with high levels of data frequency and accuracy.

FAST™ Automated Power Assurance Check display certified for helicopter applications.

Full-Flight Data Review

Flight Data Recorder information sent directly from aircraft to the P&WC ground station in near-real-time or on a flight-to-flight basis.

* Full-flight data capture not available on FAST™ solution for Cessna Caravan.



GO BEYOND

DIGITAL ENGINE SERVICES BY THE NUMBERS

TWO DECADES
OF DIAGNOSTICS & PROGNOSTICS
EXPERIENCE

9,000+
DIAGNOSTICS & PROGNOSTICS
SOLUTIONS DELIVERED

MOVING CUSTOMERS TOWARD
100%
PLANNED MAINTENANCE
ENVIRONMENT

FAST™ SOLUTION
CAPTURES, ANALYZES AND
SENDS FULL-FLIGHT DATA
INTELLIGENCE

MORE THAN **3,000 FAST™*** SYSTEMS DELIVERED

* Flight Acquisition Storage & Transmission

USA & CANADA **1 855-PWC-DPHM**
INTERNATIONAL (IAC*) **+ 781-762-8600**
DPHMSUPPORT@PWC.CA
WWW.PWC.CA/FAST