

**KNOW YOUR ENGINE FROM THE
INSIDE OUT**

FAST™ SOLUTION

**Preventative, Actionable and
Wireless Full-Flight Intelligence**



Pratt & Whitney Canada

A United Technologies Company

FAST™ SOLUTION

UNPARALLELED DISPATCH AVAILABILITY AND REDUCED OPERATING COSTS

P&WC's 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

WWW.PWC.CA/DPHM

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

Learjet Model 60

Bombardier Model DHC-8-200, DHC-8-300, DHC-8-400

**ATR42-500, ATR42-600, ATR72-212, ATR72-212A,
ATR72-500 and ATR72-600**

Leonardo S.p.A AB139 / AW139

Beechcraft King Air 200/300 Series

**Textron Aviation: Cessna Caravan 208/208B
and Citation Latitude 680A**

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.
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.
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.

PRATT & WHITNEY CANADA'S

DIGITAL ENGINE SERVICES

BY THE NUMBERS

TWO DECADES

of diagnostics & prognostics
experience

6,500

diagnostics & prognostics
solutions delivered

Moving customers toward

100%

planned maintenance
environment

FAST™ SOLUTION

captures, analyzes and
sends full-flight data
intelligence

More than **1,200 FAST™** systems delivered

* Flight Acquisition Storage & Transmission

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



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