**FULL-FLIGHT ENGINE AND AIRCRAFT DATA INTELLIGENCE**

Automated Capture and Transmission

Advanced Analysis

Rapid Alerts

---

**PRATT & WHITNEY CANADA’S DIGITAL ENGINE SERVICES**

**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** 1 855-PWC-DPHM
INTERNATIONAL (+IAC) * 781-762-8600
WWW.PWC.CA/DPHM

**Pratt & Whitney Canada**
A United Technologies Company

---

**KNOW YOUR ENGINE FROM THE INSIDE OUT**

Fast™ Solution
Preventative, Actionable and Wireless Full-Flight Intelligence
**FAST™ SOLUTION**

**UNPARALLELED DISPATCH AVAILABILITY AND REDUCED OPERATING COSTS**

P&W’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&W 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.

**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&W 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&W 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.
**FULL-FLIGHT ENGINE AND AIRCRAFT DATA INTELLIGENCE**

- Automated Capture and Transmission
- Advanced Analysis
- Rapid Alerts

**PRATT & WHITNEY CANADA’S DIGITAL ENGINE SERVICES**

**BY THE NUMBERS**

- **TWO DECADES** of diagnostics & prognostics experience
- **6,500** diagnostics & prognostics solutions delivered

- **FAST™ SOLUTION** captures, analyzes and sends full-flight data intelligence

- **Moving customers toward 100% planned maintenance environment**

- **More than 1,200 FAST™ systems delivered**
  * Flight Acquisition Storage & Transmission

**USA & CANADA**  1 855-PWC-DPHM
**INTERNATIONAL** (IAC*)  + 781-762-8600

WWW.PWC.CA/DPHM

**KNOW YOUR ENGINE FROM THE INSIDE OUT**

**FAST™ SOLUTION**
Preventative, Actionable and Wireless Full-Flight Intelligence

WWW.PWC.CA/DPHM
P&W’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&W 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.

**FAST™ SOLUTION TECHNOLOGY**

<table>
<thead>
<tr>
<th>Data Acquisition</th>
<th>Full-flight data* collected and stored in the FAST™ processor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Transmission, Management &amp; Analysis</td>
<td>Automatically and securely transfers data after each flight to P&amp;W data center/CAMP for analysis. Customers receive an automated email alert notification for events and exceedances.</td>
</tr>
<tr>
<td>Trend Monitoring</td>
<td>Fully integrated end-to-end solution for engine condition trend monitoring.</td>
</tr>
<tr>
<td>Predictive and Preventative Insight</td>
<td>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.</td>
</tr>
<tr>
<td>Full-Flight Data Review</td>
<td>Flight Data Recorder information sent directly from aircraft to the P&amp;W ground station in near-real-time or on a flight-to-flight basis.</td>
</tr>
</tbody>
</table>

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

**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
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.

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.

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.

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.
FULL-FLIGHT ENGINE AND AIRCRAFT DATA INTELLIGENCE

Automated Capture and Transmission
Advanced Analysis
Rapid Alerts

PRATT & WHITNEY CANADA’S DIGITAL ENGINE SERVICES

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: 1 855-PWC-DPHM
INTERNATIONAL (+1) * 781-762-8600
WWW.PWC.CA/DPHM

KNOW YOUR ENGINE FROM THE INSIDE OUT

FAST™ SOLUTION
Preventative, Actionable and Wireless Full-Flight Intelligence