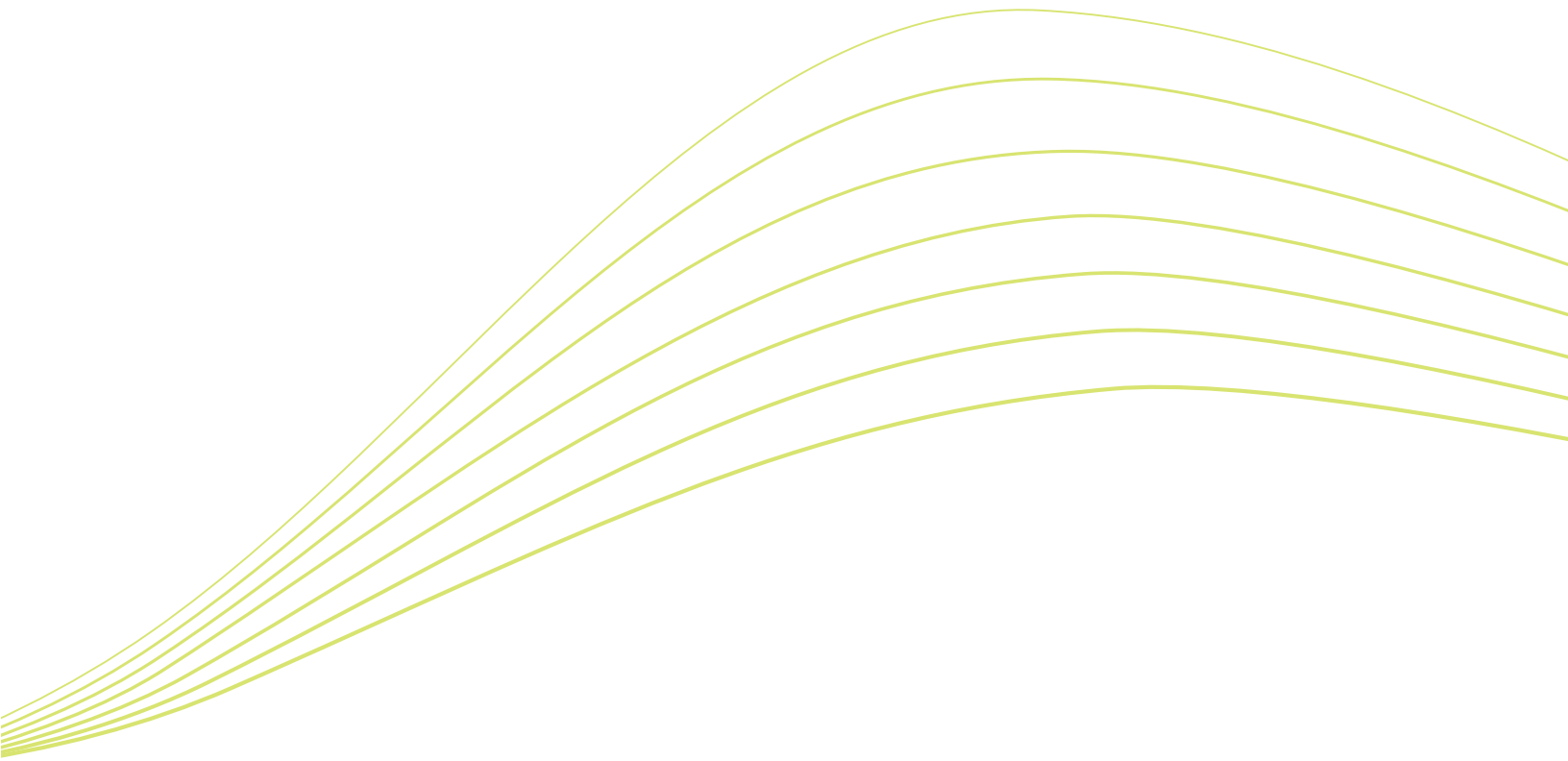




**PC-12**  
GENERATION  
**NEXT** ▶▶

**01** ANTICIPATION · **02** INTEGRATION · **03** PERFORMANCE · **04** REFINEMENT





## ANTICIPATION

How is Pilatus celebrating the success of the world's best-selling turbine-powered business aircraft?

**We're making it even better.**

# 01

Better, as in more advanced — with a fully integrated, Honeywell Primus Apex avionics system. More refined — thanks to a stunning new cockpit designed by BMW DesignworksUSA. And also faster — with a more powerful PT6A engine. Certification of the new PC-12, scheduled toward the end of 2007, will mark the beginning of a whole new generation.

## INTEGRATION

Pilot efficiency redefined.

# 02

Rejoice in the marriage of sophistication and simplicity. The seamless integration of the Honeywell Primus Apex avionics suite into the Next Generation PC-12 means that this enviably successful aircraft will be even more of a joy to fly. Dramatically reduced pilot workload and greatly increased efficiency result from four large cockpit displays that fully integrate engine monitoring, flight configuration, cabin pressurization, and environmental controls and indicators. The displays, which set a new standard for viewing area, are interpreted intuitively and provide simple menus and quick access to a comprehensive suite of flight and weather data, charts, and trip-planning functions. It's all very simply amazing. And, from an aesthetic point of view, the concept of a fully integrated flight deck rises to a whole new level.



## PERFORMANCE



**More power to you.**

# 03

Take a high-performance powerplant and make it even more powerful. That's the idea behind the Pratt & Whitney Canada PT6A-67P engine that will drive the Next Generation PC-12. Good idea. The new engine delivers a 15% boost in thermodynamic power. The result is higher performance where it really counts — faster climb rates and higher cruise speeds. All with no sacrifice in the legendary economy and reliability of the PC-12. When the new model arrives toward the end of 2007, it will be coming fast.

## REFINEMENT



**Aesthetic triumph by design.**

# 04

True beauty lies within. For the Next Generation PC-12, that's true in the cockpit as well as the cabin, thanks to BMW DesignworksUSA. This PC-12 will mark the debut of a complete new cockpit environment that enhances functionality as well as comfort. A new digital Environmental Control System provides dual climate control between cockpit and cabin while a new digital Cabin Pressure Control System automatically controls cabin pressure with no pilot input required. A sophisticated new Power Generation and Distribution System provides generous electrical system redundancy and automatic load shedding in case of failure. Throughout the pilot's new environment, the same attention to detail that characterizes the BMW-designed cabin establishes the new PC-12 cockpit as the ultimate in both ergonomic and aesthetic appeal. The Next Generation PC-12 will make you feel good inside.



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The Pilatus logo consists of the word "PILATUS" in a bold, white, sans-serif font. On either side of the text are stylized horizontal lines that resemble wings or a propeller, also in white. The entire logo is set against a dark blue background.

**PILATUS**

EXHIBIT A TO PILATUS CENTER AIRCRAFT PURCHASE AGREEMENT  
**PC-12 AIRCRAFT STANDARD SPECIFICATIONS** (SN1001 ONWARDS 4/25/07)



**AIRFRAME/STRUCTURES**

- Aluminum Alloy for Primary Skin and Structure
- Epoxy Resin-based Composites for Secondary Parts
- Semi-monocoque Design Pressurized Fuselage
- Pilot/Passenger Airstair Door
- Cargo Door
- Overwing Emergency Exit
- 2 High-lift Wings
- T-tail Empennage
- Complete Internal and External Structure Corrosion Protection

**AIRCRAFT SYSTEMS**

**Propulsion System**

- 1 Pratt & Whitney Canada PT6A-67P Turboprop Engine
- 1 Hartzell Four-blade Metal Propeller

**Electrical System**

- 2 Starter/Generator Units 28 VDC, 300 Amps each
- Automatic Load Shedding
- 2 Lead Acid Batteries 24 VDC, 42 Amp Hours each
- 1 Emergency Power System (EPS)
- 1 External Power Connector for 28VDC Power Source

**Fuel System**

- 2 Integral Fuel Tanks with Delivery and Transfer System
- 2 Motive-flow Delivery (Jet) Pumps
- 2 Electrical Boost Pumps
- 1 Engine-driven Pump

**Flight Controls**

- All-mechanical Primary Flight Controls
- Electrically Operated Flaps
- Electrical Trim in all Axes

**Landing Gear**

- Hydraulic Retractable Tricycle Landing Gear with Trailing Link Main Gear
- Soft-field/Low-pressure Tires
- Emergency Gear Extension System
- Mechanical Nosewheel Steering
- Toe-operated Pedal Wheel Brakes
- Parking Brake

**Hydraulic Power**

- 3'000 psi Hydro-pack Module – Electrical Motor/Variable-displacement Pump
- Reservoir with Sight Gauge
- Back-up Accumulator

**Cabin Pressurization Control System (CPCS)**

- 1 Electronically Controlled Outflow Valve
- 1 Digital Controller
- 1 Pneumatic Safety Valve
- 2 Negative Pressure Relief Valves

**Environmental Control System (ECS)**

- Air Cycle System – using Engine Bleed Air to provide Conditioned Air for Pressurization, Heating and Cooling
- 1 Digital ECS Controller (for Air Cycle System, Auxiliary Heaters, Recirculation Fans and Optional Vapor Cycle Cooling System)
- Dual Zone Temperature Control (Cockpit and Cabin)
- Auxiliary Electrical Heating System (2 Underfloor Heaters)
- Conditioned Air Distribution via 4 Cockpit Outlets (2 Floor, 2 Adjustable Chest-level) and Cabin Floor-level Outlets

- Re-circulated Air Distribution via Adjustable Overhead Cabin and Cockpit Outlets (1 per Seat)

**Oxygen System**

- Supplemental Oxygen System
- 1 Oxygen Cylinder
- 2 Crew Diluter Demand Masks with Integral Connected Microphones
- 1 Constant-flow Mask per Passenger
- 1 Oxygen Quantity Indicator

**Ice and Rain Protection**

- Wing Leading Edge Pneumatic De-icing Boots
- Horizontal Stabilizer Pneumatic De-icing Boots
- Windshield Electrical Anti-icing
- Engine Inlet Exhaust Gas Heat Anti-icing
- Propeller Blades Electrical Anti-icing Boots
- Pitot-static Probe Electrical Anti-icing
- Stall Warning Sensor Electrical Anti-icing

**Exterior Lights**

- 2 Strobe Lights
- 2 Landing Lights
- 1 Wing Icing Inspection Light (Left Side)
- 1 Taxi Light
- 2 Nav Lights
- 1 Tail Light
- 2 Red Flashing Beacons

**AVIONICS AND INSTRUMENTS**

**Integrated Honeywell Primus Apex Suite**

- 1 Primary Flight Display (PFD), Flat Panel Display Unit, 10.4" Diagonal
  - ADI/HSI (Dual-channel Data Source for Air Data, Attitude and Heading Reference / 1 Radar Altimeter)
  - Engine Instruments
  - 2 COM (8,33 KHz Spacing), 2 NAV (1 DME), 1 Mode S Transponder (Non-diversity)
- 2 Primary Flight Display (PFD) Controllers
- 1 Audio/Marker Panel
- 1 Flight Guidance Controller for Digital Three-Axes Autopilot System
- 1 Situational Awareness Multifunction Display (MFD), Flat Panel Display Unit, 10.4" Diagonal
  - Flight Management System (FMS)
  - Weather Radar Indication
  - 1 Systems Multifunction Display (MFD), Flat Panel Display Unit, 10.4" Diagonal
  - Cautions and Warnings
  - Gear, Trim and Flaps Indication
  - Fuel Indications
  - ECS/CPCS Indication
  - Electrical Systems Indication
- 1 Multifunction Display (MFD) Controller (incl. Alphanumeric Keyboard)
- 1 Central Maintenance System

**Other Flight Instrumentation**

- Dual Pitot Static System
- 1 Integrated Electronic Standby Instrument System (ESIS)
- 1 ELT 406 MHz with Remote Switch
- 1 Standby Magnetic Compass
- 1 Flight Time Recorder ("Hobbs Meter")
- 1 Time-of-day Clock/Stopwatch

### **CABIN COMPARTMENT**

- 9 Standard Passenger Seats – Quickly Removable, Reclining, 3-point Restraint System
- 9 Oval Cabin Windows with Internal Pull-down Shades
- Painted Composite Interior Panels and Floor Carpet
- Aft Baggage Storage Area including Baggage Net
- 2 Cabin Speakers
- 1 Document Holder

#### **Cabin Lights**

- 1 Passenger Door Flood Light
- 1 Cargo Door Flood Light
- 1 Cabin Light System
- Independent Reading Lights (1 per Seat)
- 1 Baggage Compartment Light

### **COCKPIT COMPARTMENT**

- 2 Crew Control Wheels, 2 Rudder Pedal Sets
- 2 Crew Seats – Four-way Adjustable, Reclining, Shoulder Harness Restraint System
- 2 Cockpit Speakers
- 1 Hand Microphone
- 2 Active Noise Reduction (ANR) Headsets
- Painted Composite Interior Panels and Floor Carpet
- 1 Cockpit/Cabin Bulkhead Divider with Curtain
- 2 Adjustable Sunvisors
- AFM/En-route Chart Storage Pockets
- Clipboard/Notepad, Pen Holders
- 2 Cup Holders
- 1 Direct Vision (DV) Window

#### **Cockpit Lights**

- 2 Ceiling Lights
- 4 Adjustable Panel Flood Lights
- 4 Adjustable Circuit-breaker Flood Lights
- 2 Map Reading Lights
- Internally Lighted Switch Panels
- Internally Lighted Cockpit Instruments

### **MISCELLANEOUS**

- Internal/External Markings and Placards
- 1 Hand Fire Extinguisher
- Cabin Door Lock and Keys
- Nosewheel Steering Bar
- Gust Lock - Control Column
- Covers - AOA Transmitter, Pitot Tube, Engine Air Intake, Oil Cooler Intake, ECS Intake, Generator Intake, Engine Exhaust Stacks,
- Propeller Restraint

### **PUBLICATIONS / SUBSCRIPTIONS**

#### **Pilatus Documents (Free 2-year Revision Service):**

- Aircraft Flight Manual
- Aircraft Maintenance Manual
- Aircraft Illustrated Parts Catalog
- Aircraft Service Letters
- Aircraft Service Bulletins

#### **Pilatus Documents (Other):**

- Aircraft Conformance Document
- Wiring Diagram CD
- Airframe Log Book
- Engine Log Book
- Propeller Log Book

#### **Pratt and Whitney Canada (Free 2-year Subscription):**

- Engine Maintenance Manual
- Engine Illustrated Parts Catalog
- Engine Service Bulletins
- Engine Service Information Letters

#### **Hartzell (Free Subscription, No Charge for Renewal):**

- Propeller Operator's Manual

#### **CAMP (Free 1-year Subscription):**

- Digital Aircraft Maintenance Tracking

#### **The Trend Group (Free 1-year Subscription):**

- Engine Trend Monitoring

### **CERTIFICATION**

- US Federal Aviation Regulation (FAR) Part 23, Normal Category
- EASA Certification to US FAR Part 23

### **CABIN INTERIOR STANDARD COLOR SELECTION**

- Standard Nine Seat Interior: Fabric Flash 2735LS

### **STANDARD PAINT SCHEME**

- Base color - AKZO Eclipse "Snow White" painted pursuant to Pilatus Aircraft process specification #VV0600-52
- Scheme - Polyurethane Paint Finish comparable to sample below:

