

PC-12 NG SPECTRE™

THE WORLD'S MOST VERSATILE
& EFFICIENT SPECIAL MISSIONS PLATFORM



 **PILATUS** 

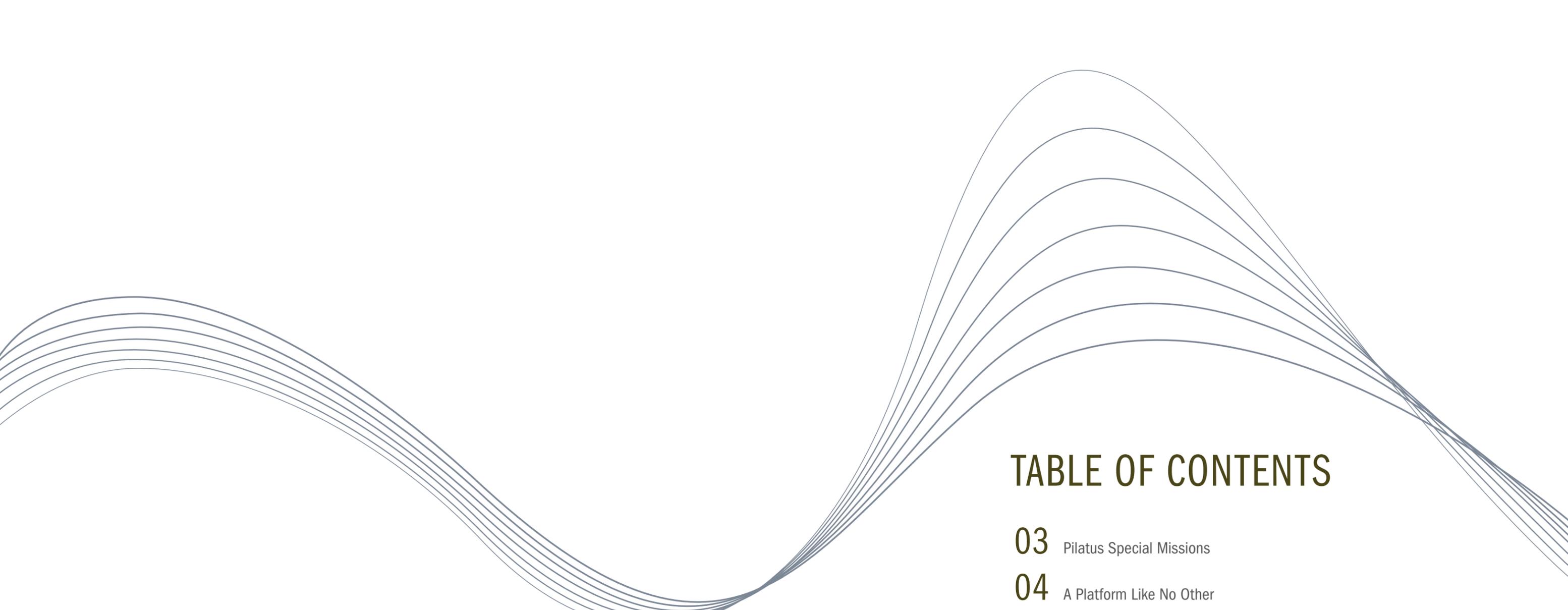


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Pilatus Porter PC-6

P-2



PC-21

PC-12 NG Spectre™



PILATUS SPECIAL MISSIONS

With 75 years of experience building rugged, dependable, industrial-grade, precision-crafted utility aircraft, Pilatus has earned a solid reputation as the provider of some of the most versatile and reliable special mission aircraft in the world.

Pilatus began crafting special mission and military aircraft with the P-2 Swiss military trainer in 1942. Today, Pilatus produces the legendary PC-6 Porter, the high performance PC-21 next generation trainer, and the extremely adaptable PC-12 operated globally by governments, militaries, and humanitarian support organizations in some of the most extreme operating conditions.

Serving both civilian and military markets, Pilatus continues its reputation as the leader in precision engineering by incorporating the most modern design techniques in every aircraft it produces. Operators of Pilatus aircraft can also rely on the highest level of service and support to ensure that when called into action, the aircraft is always ready to accomplish the mission.

The PC-12 NG Spectre™ extends the remarkable Pilatus legacy one step further.

PC-12 NG SPECTRE™: A PLATFORM LIKE NO OTHER

The PC-12 NG Spectre™, a derivative of the civilian market PC-12 NG, is modified to serve as a highly versatile special missions platform for both military and law enforcement operations. The Pilatus PC-12 fleet has proven itself in over 5 million flight hours and 1,300 aircraft in a wide variety of roles including surveillance, reconnaissance, medevac, jump and utility drop, border patrol, command and control, law enforcement, disaster response, cargo and personnel transport, and air ambulance.

The combined features of the PC-12 NG's outstanding range, payload capacity, fuel efficiency, cabin space, and huge cargo door make it uniquely adaptable as a true multi-role platform.

The sensor operator console allows full control of the tailcone-mounted EO/IR sensor.



This versatility enables the PC-12 NG to take on multiple missions for its operators, extending its value beyond that of any fixed or rotor wing aircraft.

While remarkable in its capabilities, the PC-12 NG Spectre™ allows special mission operators to actually provide greater mission capability on reduced budgets. The PC-12 NG is extraordinarily fuel efficient and requires little maintenance. The cost to acquire, operate, and maintain a single PC-12 NG Spectre™ is half that of its twin-engine competition, and a fraction of the cost of utilizing rotor wing assets for the same missions.

The medevac configuration provides room for two patients, attendants, and equipment.



A covert deployable platform provides for a multitude of sensors.

The optional utility/jump door is built directly into the aircraft's standard cargo door.



The PC-12 NG was meticulously engineered to operate on unimproved runways.

COMPELLING NUMBERS TO SUPPORT YOUR MISSION

By the numbers, the PC-12 NG Spectre™ provides performance that is unmatched in its price range. Cabin size, range-payload capability, fuel efficiency, and proven reliability together add up to a performer that is greater than the sum of its specifications. Even as impressive as some of those specifications are.

Operational Ceiling	30,000 ft.	9,144 m
Operational Speed Range	115 - 280 KTAS	213 - 519 km/h TAS
Stall Speed (MTOW)	67 KIAS	124 km/h IAS
Takeoff Power	1,200 shp	
Takeoff Distance over 50' obstacle (MTOW)	2,650 ft	808 m
Landing Distance over 50' obstacle (MLW)	1,830 ft	558 m
Maximum Range (LRC, NBAA IFR reserves)		
PC-12 NG Spectre™ with 3 crew	1,723 nm	3191 km
Maximum Payload		
PC-12 NG Spectre™	2,122 lbs	963 kg
Standard Configuration	2,666 lbs	1,029 kg
Cargo Configuration	2,845 lbs	1,290 kg
Endurance (at typical mission weight)	8+ hours	
Cabin Volume	330 cu ft	9.34 cu m
Seating Capacity		
PC-12 NG Spectre™	2 crew + 7	
Standard	2 crew + 9	
Standard Cargo Door	53 in × 52 in	1.35 m × 1.32 m
Optional Utility/Jump Door	25 in × 39 in	.64 m × .99 m
Maintenance per flight hour	0.68 man-hours	
Fuel consumption rate	55 - 75 gph	208 - 284 lph
Proven mission capable rate	99%*	

* PC-12 fleet operator data as reported to Pilatus Customer Service



Provides proven capability in harsh military environments.



Its unique versatility makes the PC-12 NG Spectre™ popular for use in law enforcement around the world.

PC-12 NG SPECTRE™ FOR LAW ENFORCEMENT

Many people think of the PC-12 NG as a private business aircraft. What most people don't realize is that the "executive" aircraft sitting on the ramp may actually be carrying some of the most sophisticated surveillance and communication equipment in the air.

The Pilatus PC-12 NG Spectre™ has been adopted by leading federal, state, municipal and international law enforcement agencies as the "go-to platform" for surveillance, transport, border protection, and airborne operation control.

With its pressurized cabin and high-altitude ceiling, the PC-12 NG can standoff at distances the subjects under surveillance cannot detect. The PC-12 NG's powerful, yet fuel-efficient Pratt & Whitney PT6A-67P turboprop engine enables it to stay on station for over 8 hours with standard fuel capacity.

Provides standoff continuous surveillance for over 8 hours at distances undetectable by subjects on the ground.



The sensor operator console has provisions for full control of the EO/IR sensor. The lift mechanism for the sensor is completely integrated into the tailcone of the PC-12 NG, yet easily deploys for a full 360° hemispheric view of ground activity. Imagery from the sensor can be displayed on both the cockpit MFD and the operator's console for complete crew coordination. Evidence may be recorded on ship, or even data linked in real time to ground-based personnel. The Pilatus PC-12 NG Spectre™ is the critical link in law enforcement command and control.

The deployable EO/IR sensor provides the ability to be a stealthy observer of unlawful activity.



The PC-12 NG Spectre™ has proven itself effective at catching perpetrators and protecting law enforcement personnel.

The comfortable, pressurized cabin features customizable operator consoles.



PC-12 NG SPECTRE™ FOR MILITARY

The PC-12 NG is actively deployed by special operations insiders in some of the most austere and harsh environments around the globe. Its long loiter time on station with high-speed dash capability and long range combine to create a truly compelling, multi-role, multi-mission aircraft that is the definition of “mission fit.”

Configured with the PC-12 NG Spectre™ Intelligence, Surveillance, and Reconnaissance (ISR) package, the large-volume PC-12 NG houses a covert sensor, deployable in flight for a 360° view controlled through a manned cabin console. Combining real-time imaging and ground communication with long loiter capability and high dash speeds results in the most flexible and cost-effective ISR platform in the air.

The PC-12 NG Spectre™ can be configured with a multitude of optional workstations and communications equipment to tailor the aircraft to the unique needs of each operator. Pilatus maintains strong working relationships with prime systems integrators to

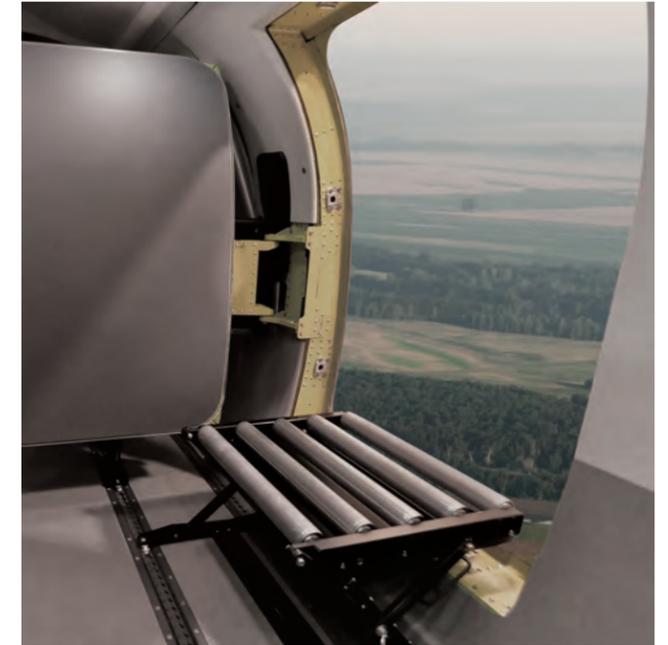
develop highly modified solutions unique to each customer's mission requirements.

The PC-12 NG's 25" × 39" (.64 m × .99 m) innovative utility/jump door is designed as a door within a door. Built directly into the aircraft's standard cargo door, it can be used to deploy parachute specialists or air-drop supplies and relief goods. What's more, this added capability does not compromise any of the mission capability of the PC-12 NG. When jump or drop operations are completed, the aircraft is easily re-pressurized and may climb back to altitude for high-speed, fuel efficient cruise performance. Back on the ground, the full functionality of the PC-12 NG's cargo door is retained.

Even more, the reconfigurable cabin can easily transform a single asset into a tool which can be used for multiple missions. ISR, medevac, personnel transport, cargo-hauling – no other aircraft matches the capability, efficiency, and reliability of the PC-12 NG Spectre™.



The Spectre™ accommodates a wide range of customized mission equipment.



A utility/jump door option increases the number of roles the Spectre™ can accomplish.



Optional utility/jump door allows for use in-flight while still maintaining the functionality of the standard cargo door.



The retractable EO/IR sensor deploys quickly in flight, and retains a covert profile on the ground.



The modular interior enables quick transformation to multiple mission configurations.

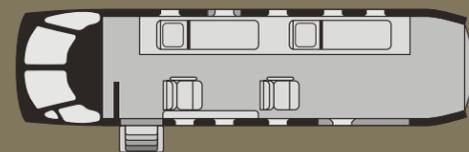
VERSATILITY DEFINED

The rugged, field-proven PC-12 NG is as versatile as a Swiss Army knife. In just minutes the PC-12 NG can be transformed to perform a wide range of special mission roles. In one aircraft, the PC-12 NG combines high speed, long range, large cabin, fuel efficiency, low maintenance, and short unimproved runway operation to create a unique asset unmatched by anything else in the field. One highly efficient platform, capable of accomplishing many critical missions.

Tailor the PC-12 NG's 330 cubic feet of cabin volume to your unique requirements. Switch quickly from a nine-passenger transport configuration to a full cargo or combination layout. Convert it to an ISR or SAR platform with the stealthy, deployable PC-12 NG Spectre™ EO/IR sensor lift and operator console. Transform it to a medevac format or air ambulance. There's even an optional utility door for airdrop and jump operations.

Real disasters require rapid response by governments, military personnel, medical staff and relief agencies. The ability to carry large loads and operate from short, unimproved runways or even roads allows the PC-12 NG to provide aid in a way that no other aircraft is capable. The PC-12 NG's large cargo door and flat floor makes it easy to make quick turns reloading pallets of supplies on the ground or air-lifting critically injured patients.

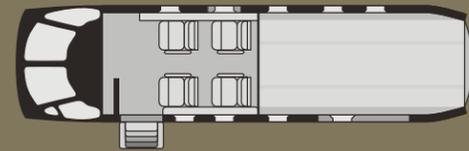
The Pilatus PC-12 NG has proven itself dutifully as a first-responder providing support to teams helping people impacted by the earthquake in Haiti, Hurricane Katrina, and in relief efforts throughout the world.



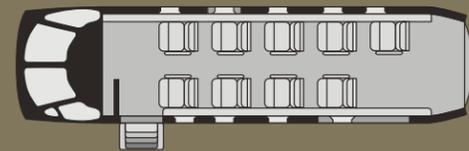
Medevac/Air Ambulance



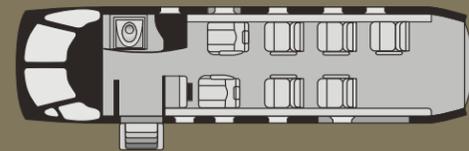
Cargo



Combination



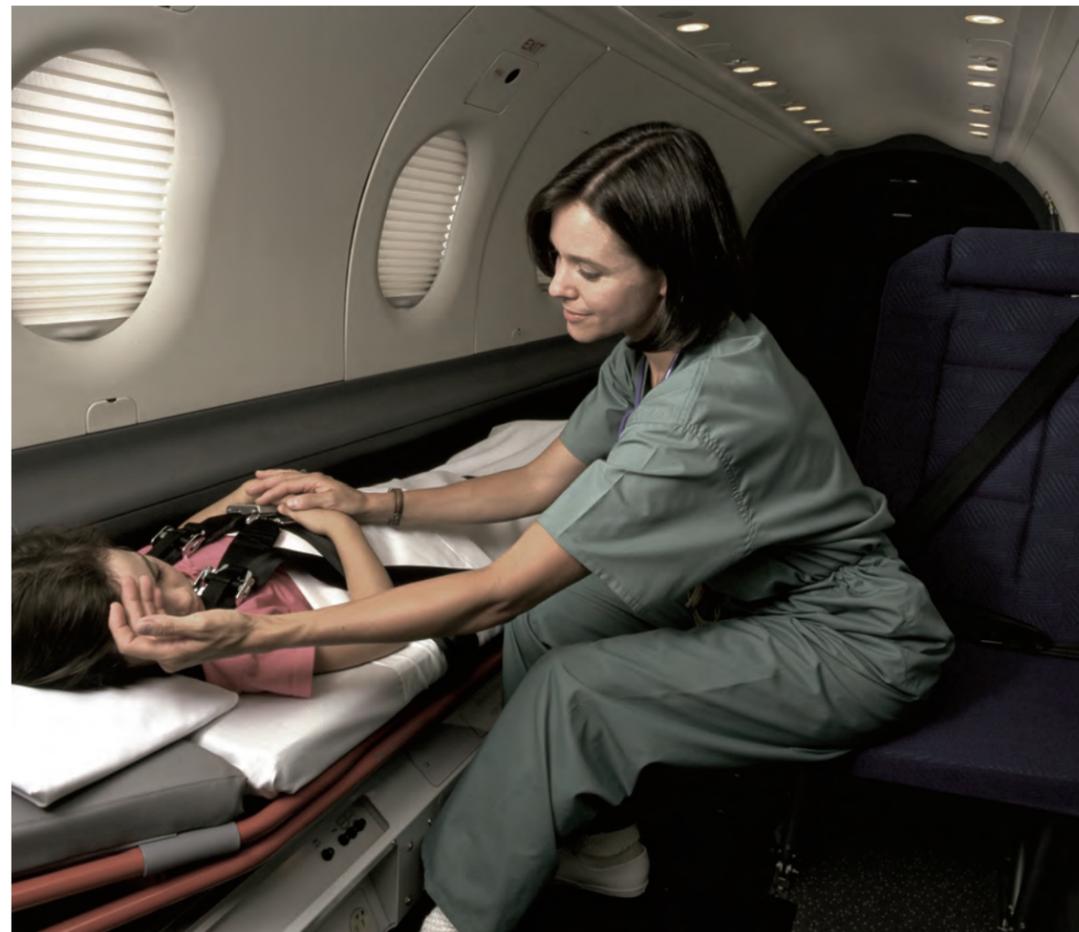
Transport



PC-12 NG Spectre™/
Special Missions



The PC-12 NG is a commonly used platform in humanitarian relief missions.



The pressurized 330 ft³ of cabin volume provides a safe and comfortable environment for patients and medical crew.

PROVEN IN THE FIELD

The PC-12 NG, like all Pilatus aircraft, is precision-engineered and crafted with the purpose of operating day-in and day-out in harsh environments around the globe. Pilatus' experience building high performance turboprop aircraft for the world's militaries provides a solid foundation for understanding the demands that are placed on aircraft which must be available for duty at a moment's notice.

With over 1,300 aircraft in the field, the PC-12 fleet has racked up over 5 million flight hours operating in remote regions of the Arctic, across the deserts of Australia, over the waters of the North Atlantic, and in the mountains of Southwest Asia.

Short and unimproved fields are no challenge for the PC-12 NG's Fowler flaps, low-pressure tires, robust trailing-link gear, reversible pitch propeller and 67 KIAS stall speed.



The PC-12 NG's modern, yet simple and intuitive systems make troubleshooting and repair a breeze — especially for units used to working with older twin-turboprops, jets, or turbine helicopters. Consequently, the PC-12 NG requires far fewer man-hours of maintenance per flight hour than aircraft traditionally used for special mission roles.

For 13 consecutive years, operators of PC-12 aircraft have ranked Pilatus customer service #1 amongst all other turboprop aircraft manufacturers. The bottom line is that the Pilatus PC-12 NG simply gives you more up-time and mission readiness. It is the aircraft you can count on any day, anytime, anywhere.

Travel above the weather and work in a shirt-sleeve environment. The PC-12 NG's cabin provides a pressurized, climate controlled cabin up to 30,000 feet.



PROVEN IN THE AIR

As compared to twin-engine turboprops, jets, and helicopters, single-engine turboprop aircraft provide:

- Lower acquisition costs
- Lower maintenance costs
- Reduced recurring operating expense for fuel
- No asymmetrical thrust scenario
- Simpler aircraft systems to operate and maintain

Single-engine turboprop aircraft have an extensive track record of safe operation in private and commercial operation. Actual accident statistics show that the PC-12 has a safety record as good or better than its twin-engine counterparts¹.

1. Source: Robert E. Breiling Associates, 2012

The PC-12 NG is powered by the most dependable turboprop engine in the world, the Pratt & Whitney PT6A-67P. A powerful 1,200 shp is delivered for takeoff and climb.



A full complement of ice detection and protection systems has earned the PC-12 NG certification for flight into known icing conditions.

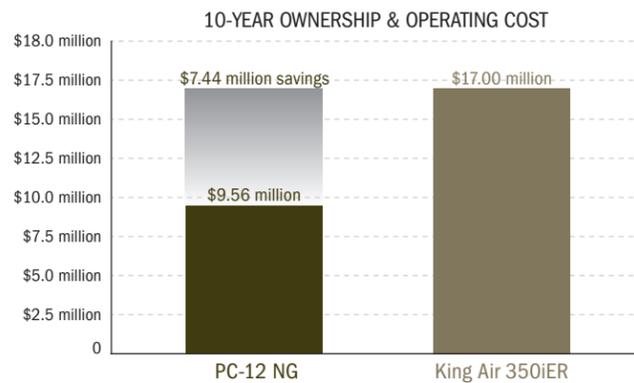
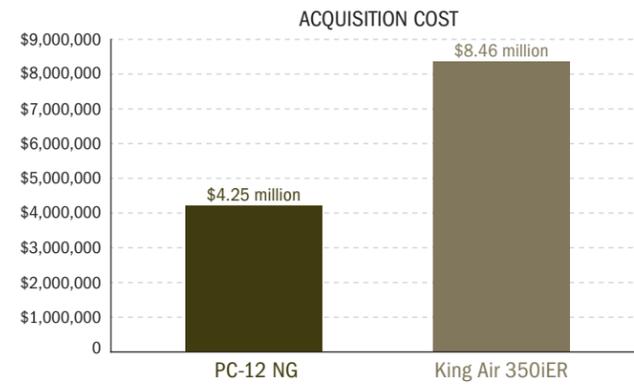


Advanced ergonomic cockpit design offers intuitive situational awareness and flight management with the Honeywell Primus Apex™ avionics system for single pilot operation.

PROVEN ON THE BOTTOM LINE

It's the new reality – you are under constant pressure to do more with less. More missions need to be supported with fewer people and less budget to accomplish them. Surveillance, command and control, personnel transport, medevac, cargo movement. Up until now, each mission required its unique set of equipment and specialized personnel to manage and operate the assets. In today's world, it's time to think differently about how you get the job done, and the PC-12 NG is the solution.

The Pilatus PC-12 NG costs one-third less to acquire and operate than its twin-engine turboprop competitor*. Whether operating a single aircraft or a fleet, the life-cycle cost savings of operating a PC-12 NG results in the ability to truly do more with less. Much less.



*King Air 350iER Equipped Price as published in Business & Commercial Aviation magazine, May 2014. Pilatus PC-12 NG Acquisition Cost for a typically equipped 2015 aircraft with standard utility interior. Operating costs calculated with source data from Conklin & deDecker Aircraft Cost Evaluator, November 2014, using \$90/hour labor rate, \$6.00/gallon fuel cost, 700 flight hours per year, and an annual inflation rate of 2.0%.



PC-12 NG SPECTRE™: STANDARD AND OPTIONAL EQUIPMENT LIST

Basic PC-12 NG Spectre™ Package includes:

\$650,000

- Retractable Sensor Lift Platform
- All electrical and mechanical provisions for EO/IR sensor
- Certified integration of the client's EO/IR sensor to the aircraft
- Operator's Console with two display monitors, digital video recorder, UC5100 moving map, mission bus, and lift-platform control
- Multi-Role Aircraft (MRA) Interior; exchange for standard interior: 1 executive-style seat at the Operator's Console, and 7 standard-style seats, inflatable Restraint System for Operator's Seat

Available options:

Prices quoted on specification

- Intelligence, Surveillance & Reconnaissance (ISR) Interior; exchange for standard interior; fully-enclosed flushing lavatory, 2 executive-style seats with inflatable restraint system, 5 standard-style seats, table at Observer's Station
- Medevac Interior; various options available for beds, power, oxygen, storage, sealed floor and attendant stations
- Integrated utility/jump door; exchange for standard cargo door
- Custom-engineered communications, display, and audio systems
- Datalink options
- Moving Map options
- Operator and Observer equipment options
- Integration of Government Furnished Equipment (GFE)

Some elements of the Pilatus PC-12 NG Spectre™ and its optional equipment may be strictly regulated by the US Department of State in accordance with the guidelines in the International Traffic in Arms (ITAR) per title 22, Code of Federal Regulations (CFR), Parts 120-130 and/or the United States Bureau of Industry and Security US Department of Commerce. All sales and deliveries are subject to license approval by the respective governing agency. End-User certificates must be supplied. Users must comply with all local, state and federal laws. The descriptions of Pilatus products and systems are published for information purposes only and does not constitute an offer to sell.

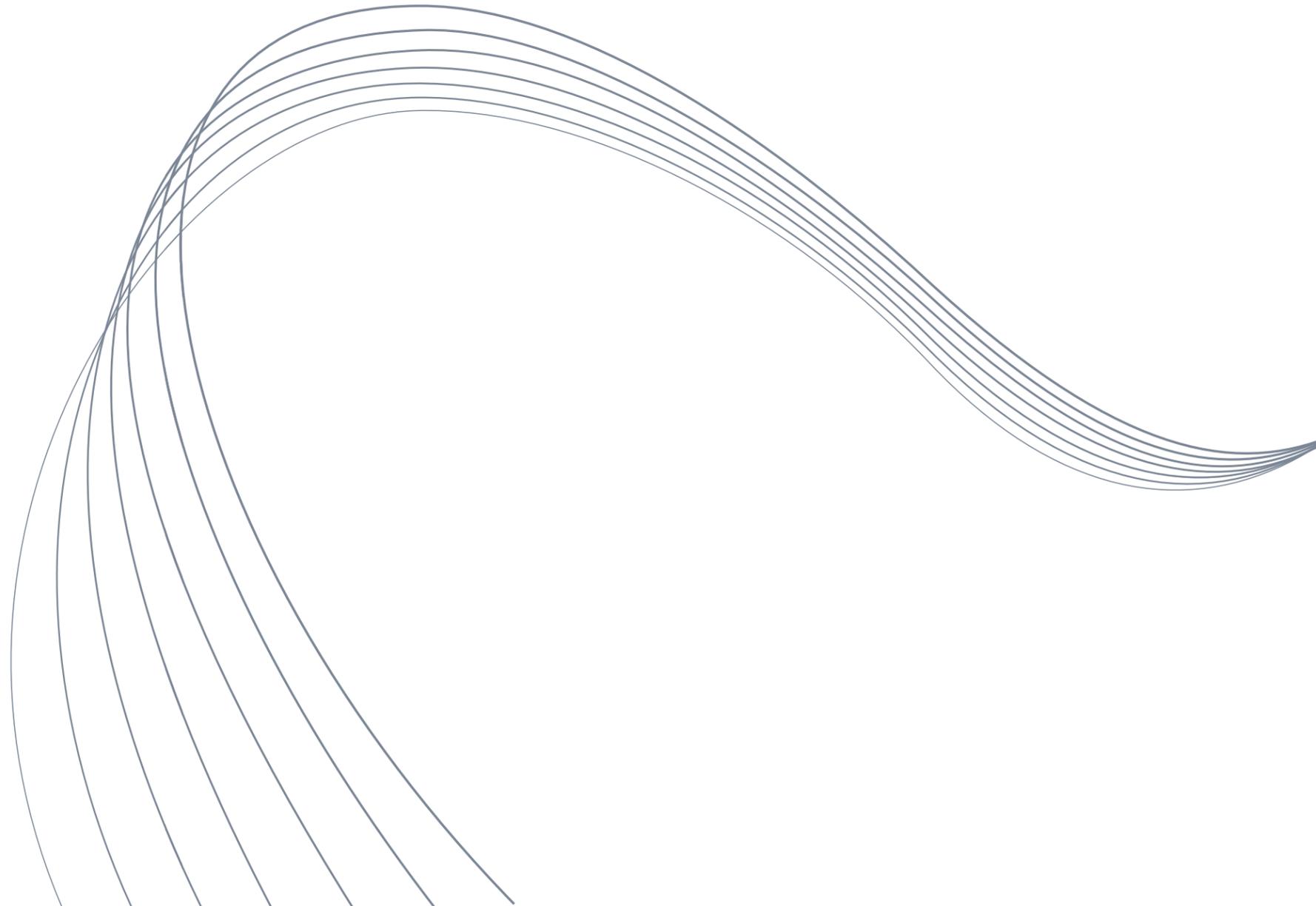




SPECIAL MISSIONS: ACCOMPLISHED

The PC-12 NG Spectre™ is a uniquely versatile and cost-effective platform that can meet your mission needs today and in the future. If you've been tasked with doing more with less, the solution is simple. Put the Pilatus PC-12 NG Spectre™ on your team. Its unmatched scope of capabilities will soon make it the most valuable asset in your arsenal.

Call today for more information about the PC-12 NG Spectre™, and find out why agencies around the world have discovered that the PC-12 NG Spectre™ is the best special mission platform in the air.



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The Pilatus logo consists of the word "PILATUS" in a bold, sans-serif font. On either side of the text are stylized wing-like symbols, each composed of three horizontal bars of increasing length from top to bottom, pointing outwards.