



GO BEYOND

# PT6

E - S E R I E S

IN SERVICE.  
WORLDWIDE.

THE FIRST DUAL-CHANNEL INTEGRATED  
ELECTRONIC PROPELLER AND ENGINE  
CONTROL SYSTEM IN GENERAL AVIATION

EXPERIENCE THE DIFFERENCE AT [PWC.CA](http://PWC.CA)



# GENERAL AVIATION'S #1 ENGINE JUST GOT EVEN BETTER

Pratt & Whitney's latest addition to the iconic PT6 engine family, the PT6 E-Series™ engine, raises the bar in engine performance, control systems, data intelligence and service solutions.

General Aviation's **first** dual-channel integrated electronic propeller and engine control system is **now available**.

The PT6 E-Series™ engine — the DNA you trust, pushing innovation to a new level.

## ENHANCED PILOT EXPERIENCE

### FLYING JUST GOT EASIER

Experience a more intuitive way of flying, from engine start to propeller and engine control.

The PT6 E-Series™ engine simplifies your operation, so you can focus on what's going on around you and enjoy your flying experience even more.

- Auto-start with push button
- Full digital envelope protection
- Single lever operation
- Integrated electronic propeller and engine control
- Digital auto-throttle ready
- Digital propeller speed management



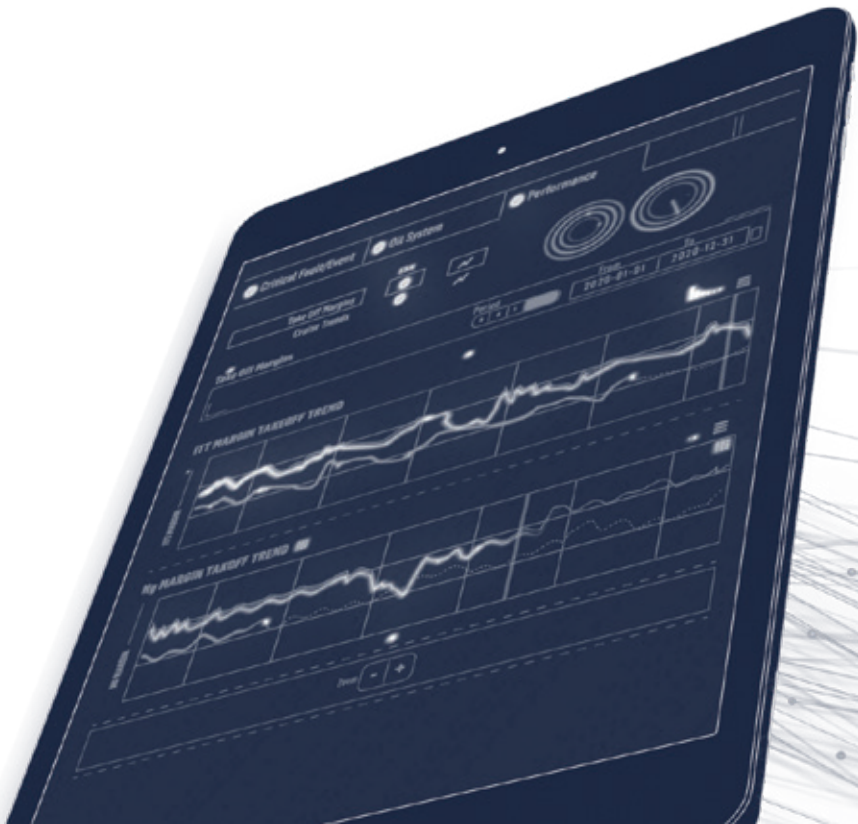
# SERVICE EXPERIENCE

## SIMPLIFIED MAINTENANCE AND INCREASED AVAILABILITY

Since the PT6 E-Series™ engine is digitally connected, more than 100 parameters are continuously monitored to allow for predictive analysis and proactive maintenance planning, so you will always be a step ahead.

The insights gained through the new data means you can maximize your operations and fly when you need to and for longer periods.

- More flight time
- 2x longer maintenance intervals: 300 hours to 600 hours
- 43% longer TBO intervals: 3,500 hours to 5,000 hours
- 40% of line maintenance tasks eliminated



# ENGINE PERFORMANCE

## GET THERE, AHEAD OF TIME

The PT6 E-Series™ engine features a number of advanced technologies, including:

- General Aviation's first dual-channel integrated electronic propeller and engine control system
- Latest-generation Single Crystal Compressor Turbine blades
- Optimized turbine cooling

Designed for a quicker climb and greater speed, the PT6 E-Series™ engine produces 10% more power\* so you can reach your destination faster.

The electronic engine control (EEC) monitors more than 100 parameters continuously, and key engine and aircraft data parameters are used to optimize engine operation and deliver maximum power in all phases of flight.

## FEEL THE POWER OF THE NEW PT6 E-SERIES™ ENGINE

OPERATING CONDITION	PT6E-67XP ENGINE MODEL	
	THERMODYNAMIC SHP	MAXIMUM SHP
TAKE-OFF	1,845	1,200
MAX CLIMB	1,825	1,200
CRUISE	1,825	1,100

\*At sea level—compared to the PT6A-67P engine model.

# CONTROL SYSTEMS

## PRECISE AND PREDICTABLE

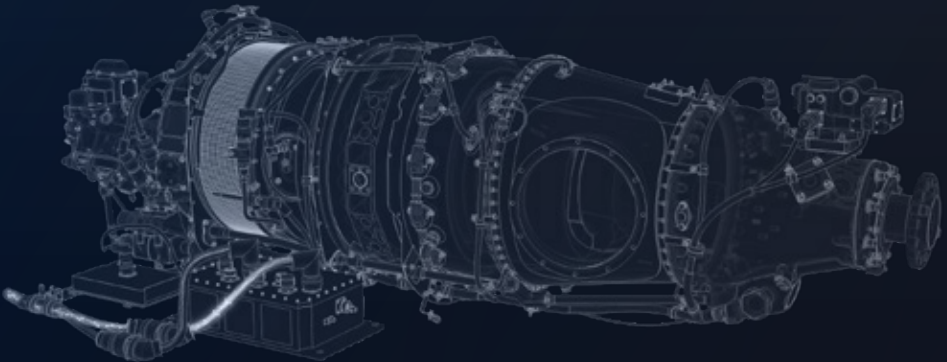
Fly with even more peace of mind, knowing the PT6 E-Series™ engine has not one but two independent control systems. As the electronic engine control (EEC) receives all engine and key aircraft data, it is able to make the necessary adjustments to optimize and deliver the right engine power needed throughout the flight.

# DATA INTELLIGENCE

## EVERY FLIGHT IS PERSONAL

It's that feeling that comes from knowing you've got all the information you need to make informed decisions. Upon landing, all engine flight data is wirelessly downloaded\*\*, providing valuable new insights into the performance and health of your engine.

Our new Eagle Service™ Platinum Plan (ESP™) for the PT6 E-Series™ engine takes it one step further. Engine data will be sent for trend monitoring and, if required, for troubleshooting. Armed with this information, Pratt & Whitney's predictive analytics team, dedicated engineers and data analysts using leading-edge technology and systems will provide personalized, proactive recommendations. Equipped with these new insights, you and your maintainer will have access to the latest technical information to maximize your engine's time on-wing and reduce operating costs.



\*\*Data analysis requires Pratt & Whitney Eagle Service™ Platinum Plan (ESP™) or CAMP Engine Health Monitoring.



**GO BEYOND**

# ESP PLATINUM FOR PT6 E-SERIES™ ENGINE

## EXPERIENCE THE DIFFERENCE

Our Eagle Service™ Platinum Plan (ESP™) for your PT6 E-Series™ engine gives you the most extensive coverage, backed by one of the world's largest service networks.

- ▶ Enjoy lower operating costs with ESP™\*\*\*.
- ▶ Maximize the value of your engine and aircraft.
- ▶ Benefit from unmatched protection, including coverage for foreign object damage (FOD), environment-induced damage and much more — all at an unbeatable price.
- ▶ Increase aircraft availability with the help of our predictive analytics team.
- ▶ Let our experts work with your maintainers, arming them with a personalized, preventive plan of action.
- ▶ Experience the benefits of a single ESP™ point of contact and no minimum flying hours, making your experience simple all around.

\*\*\*Compared to ESP™ Gold for PT6A-powered PC-12 NG aircraft.

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LEARN MORE AT [PWC.CA](https://www.pwc.ca)