

Advanced Military Programs

The Propulsion Technology Leader for 90+ Years



Pratt & Whitney Advanced Military Programs leads innovation of next-generation propulsion technologies and engines by generating new engine concepts, identifying and developing the requisite technologies for product success and initiating program launch.

Our programs are designed to leverage the strength of the large-engine business as well as Pratt & Whitney Canada's broad product line to transition emerging advanced capabilities into future propulsion products, including Next Gen Strike, Manned and Unmanned Intelligence / Surveillance, and Reconnaissance (ISR), Rotorcraft, and Mobility systems.



Photo Credit: Northrop Grumman

- Next Gen Propulsion System Primacy
- Propulsion Leadership for UAVs
- Fleet Product Enhancements
- Superior Survivability Solutions

Programs

Advanced Military & Commercial Turbofans

- Next Gen game-changing capabilities in range & performance
- Green technologies (noise, emissions, effluents)
- Integrated architectures for power and thermal management systems
- High pressure ratios
- High turbine temperatures with increased life & efficiency
- Improved durability for life-cycle cost reduction

Military Turboshaft / Turboprop Applications

- Advanced 3,000-shaft HP development (with Honeywell)
- Pratt & Whitney Canada engine derivatives
- High-efficiency turbine airfoils
- Advanced prognostics and health management
- High-speed, lightweight accessories

Special Technologies

- Leader in maintainable, low-observable technology
- Innovative technology development & demonstrations
- Next Gen system integration



Pratt & Whitney

A United Technologies Company

Advanced Military Programs

Developing Propulsion Technologies for the Next Generation of Air Vehicles



Photo Credit: Petty Officer 2nd class Timothy Walter, U.S Navy released



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*ATEC, a joint venture between P&W and Honeywell, is developing a new engine to compete in an Army procurement to re-engine the Blackhawk and Apache helicopters.
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