



GO BEYOND

CORPORATE OVERVIEW

Frank Angelo
P&W Offset Regional Director

P&W BUSINESS OVERVIEW



Commercial Engines



P&W Canada



Military Engines

P&W COMMERCIAL ENGINES

WITH MORE THAN 13,000 LARGE COMMERCIAL ENGINES INSTALLED TODAY, PRATT & WHITNEY PROVIDES DEPENDABLE POWER TO HUNDREDS OF AIRLINES AND OPERATORS EVERY DAY.



Photo: Boeing
BOEING 757



Photo: Airbus
AIRBUS A320



Photo: Boeing
BOEING 767



Photo: Airbus
AIRBUS A330



Photo: Boeing
BOEING 777



Photo: Airbus
AIRBUS A380

P&W MILITARY ENGINES

FIGHTER



Photo: Lockheed Martin
F-35 LIGHTNING II



Photo: Lockheed Martin
F-22 RAPTOR



Photo: Lockheed Martin
F-16 FIGHTING FALCON

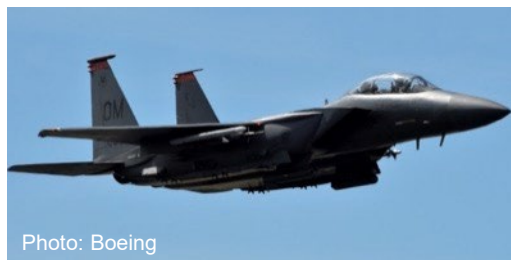


Photo: Boeing
F-15 EAGLE

MOBILITY / TANKER



Photo: Boeing
KC-46 PEGASUS



Photo: Embraer
KC-390



Photo: Boeing
C-17 GLOBEMASTER III

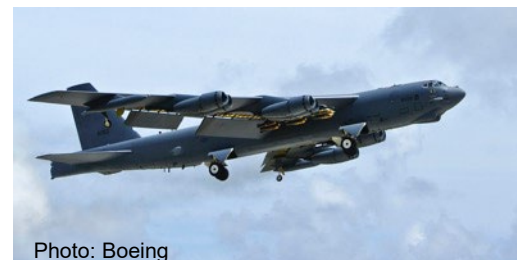


Photo: Boeing
B-52 STRATOFORTRESS

AUXILIARY POWER UNIT

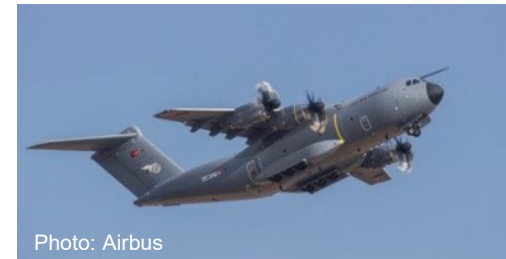


Photo: Airbus
A400M ATLAS



Photo: Bell
V-22 OSPREY



Photo: Sikorsky
CH-53K KING STALLION



Photo: Raytheon
MINIATURE AIR LAUNCHED DECOY

FUTURE OPPORTUNITIES



Photo: Northrop Grumman
B-21 RAIDER



Photo: Lockheed Martin
F-35 GROWTH



Photo: Northrop Grumman
ADAPTIVE ENGINE TRANSITION PROGRAM (XA101)

F135



40,000

POUNDS THRUST CLASS



THE WORLD'S MOST ADVANCED FIGHTER ENGINE

P&W CANADA

BUSINESS AVIATION



Photo: Gulfstream

GULFSTREAM G500



Photo: Dassault

DASSAULT F8X

AUXILIARY POWER UNITS



Photo: Boeing

BOEING 787

REGIONAL AVIATION



Photo: ATR

ATR 72



Photo: De Havilland

DE HAVILLAND Q400



Photo: Airbus

AIRBUS A320

HELICOPTER



Photo: Leonardo

LEONARDO AW169



Photo: Bell

BELL 429

GENERAL AVIATION



Photo: Textron

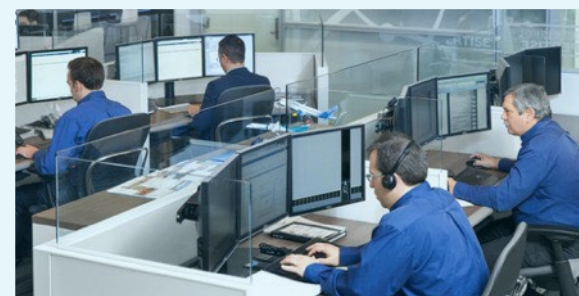
TEXTRON KING AIR 350



Photo: Air Tractor

AIR TRACTOR AT-402

AFTERMARKET



CUSTOMER FIRST CENTRE



MAINTENANCE, REPAIR & OVERHAUL

RAYTHEON TECHNOLOGIES (RTX)

FOUR MAJOR BUSINESS UNITS, \$64B* SALES 2021



Specializes in advanced structures, avionics, connected aviation solutions, interiors, mission systems, and power and control systems.



Designs, manufactures and services the world's most advanced aircraft engines and auxiliary power systems for commercial, military and business aircraft.



Develops advanced sensors, cyber services and software solutions –delivering the disruptive technologies customers need to succeed in any domain, against any challenge.



Provides the industry's most advanced end-to-end solutions to detect, track and engage threats.

Note: *Adjusted Sales (2021) , RTX total including \$2.9B in eliminations

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The appearance of U.S. Department of Defense (DoD) visual information does not imply or constitute DoD endorsement.



RTX Expanded Portfolio:

**Actuation, cargo, landing
and propeller systems**

Advanced structures

**Aircraft engines and
auxiliary power systems**

Aircraft interiors

Avionics

**Connected aviation
solutions**

Cybersecurity

Data analytics

**Integrated air & missile
defense**

Mission systems

Power and controls

Precision effects

**Systems integration
and sensors**

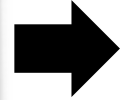
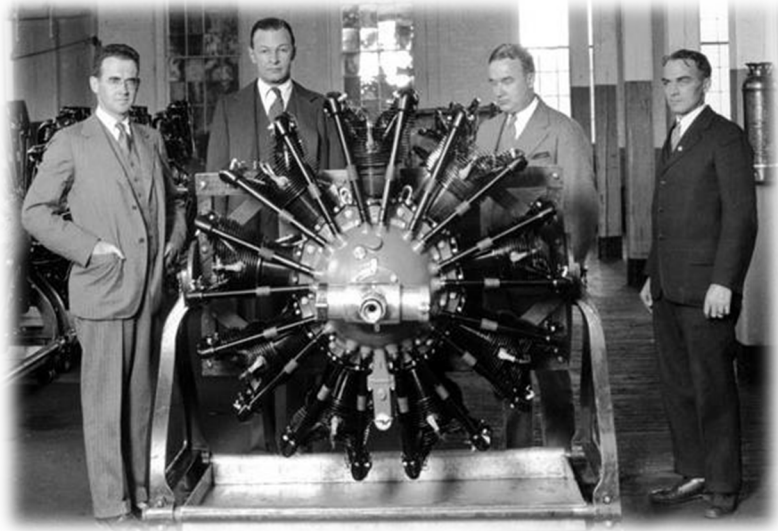


GO BEYOND

SUPPLY CHAIN OVERVIEW

Jonathan Daggett

P&W Associate Director, Global Supply Chain



Supply Chain Focus Areas

- Quality
- Delivery
- Cost reduction

Strategic Needs

- Innovative cost saving solutions
- Industry 4.0 evolution, model-based definition
- Mature risk management processes, including cybersecurity and financial health

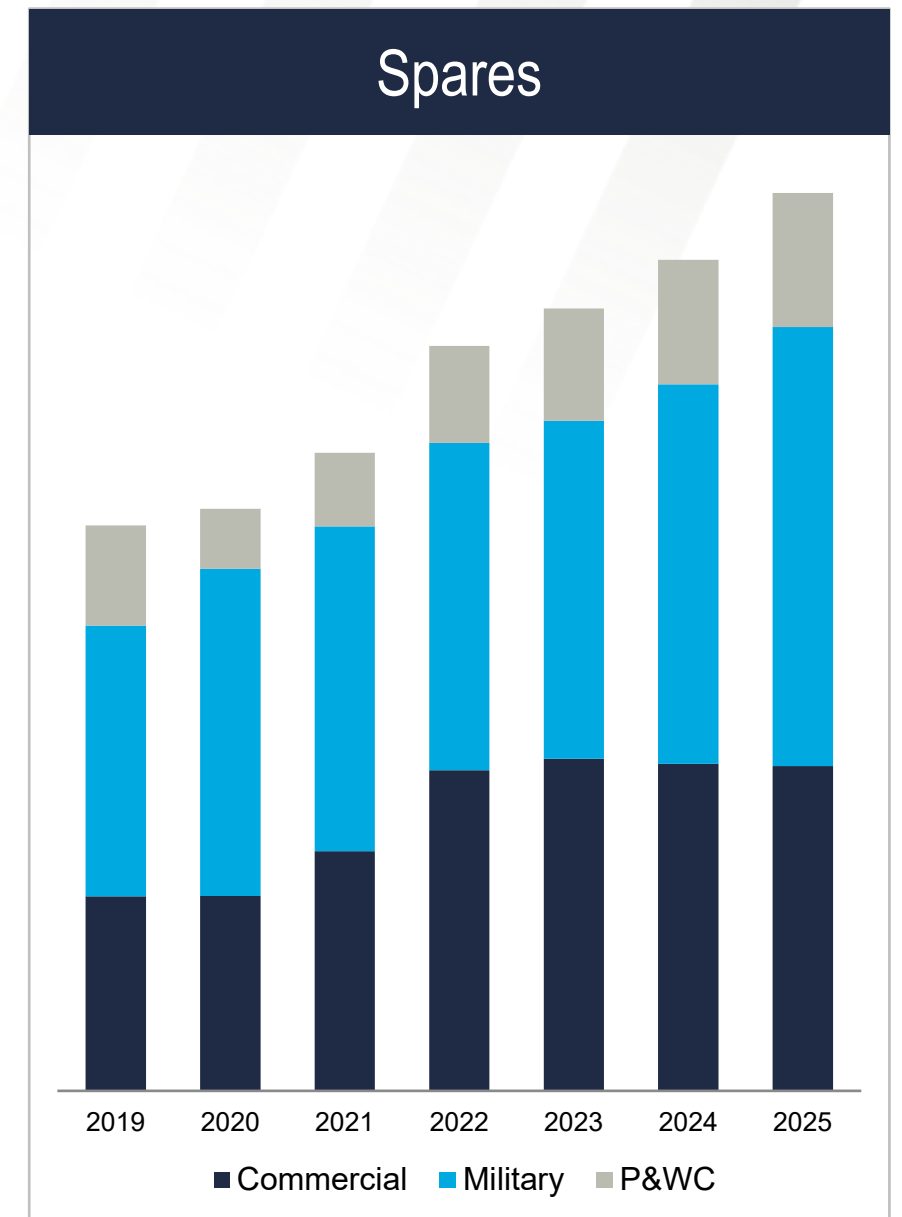
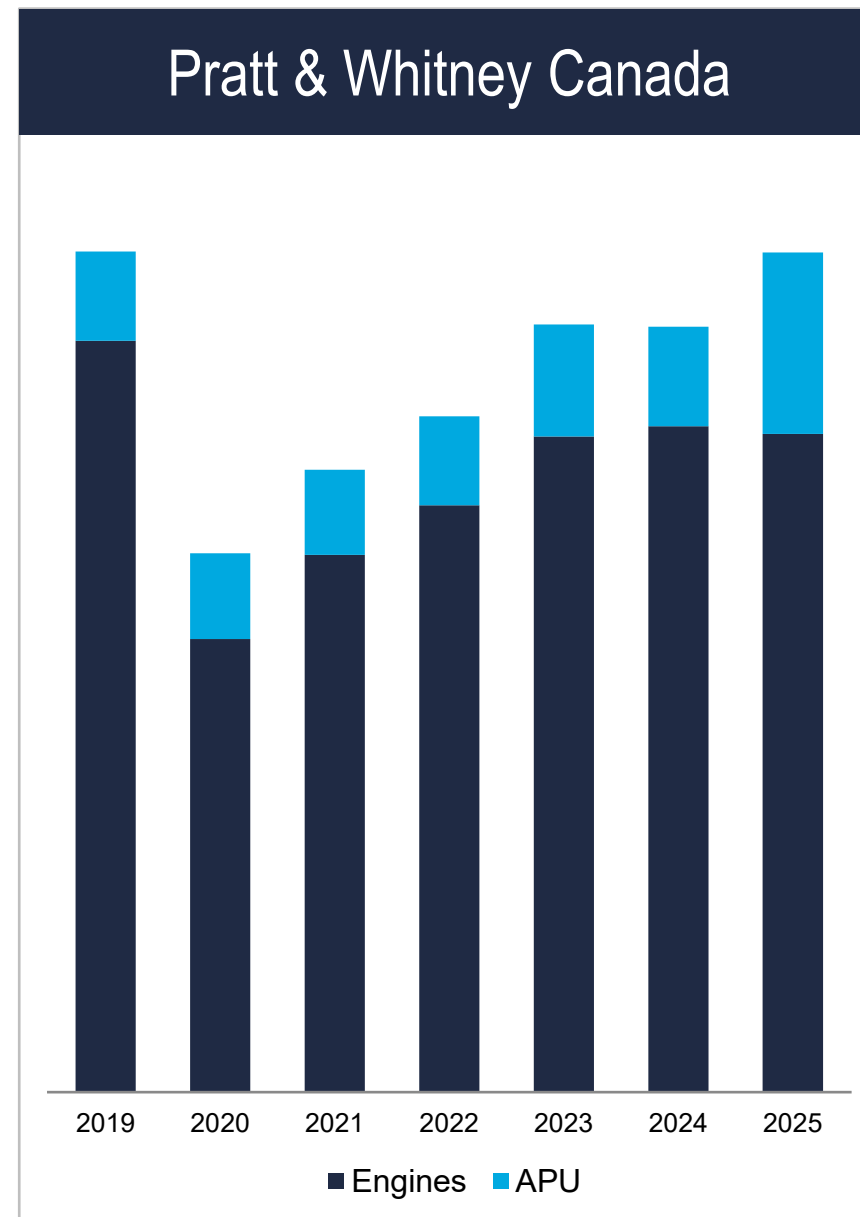
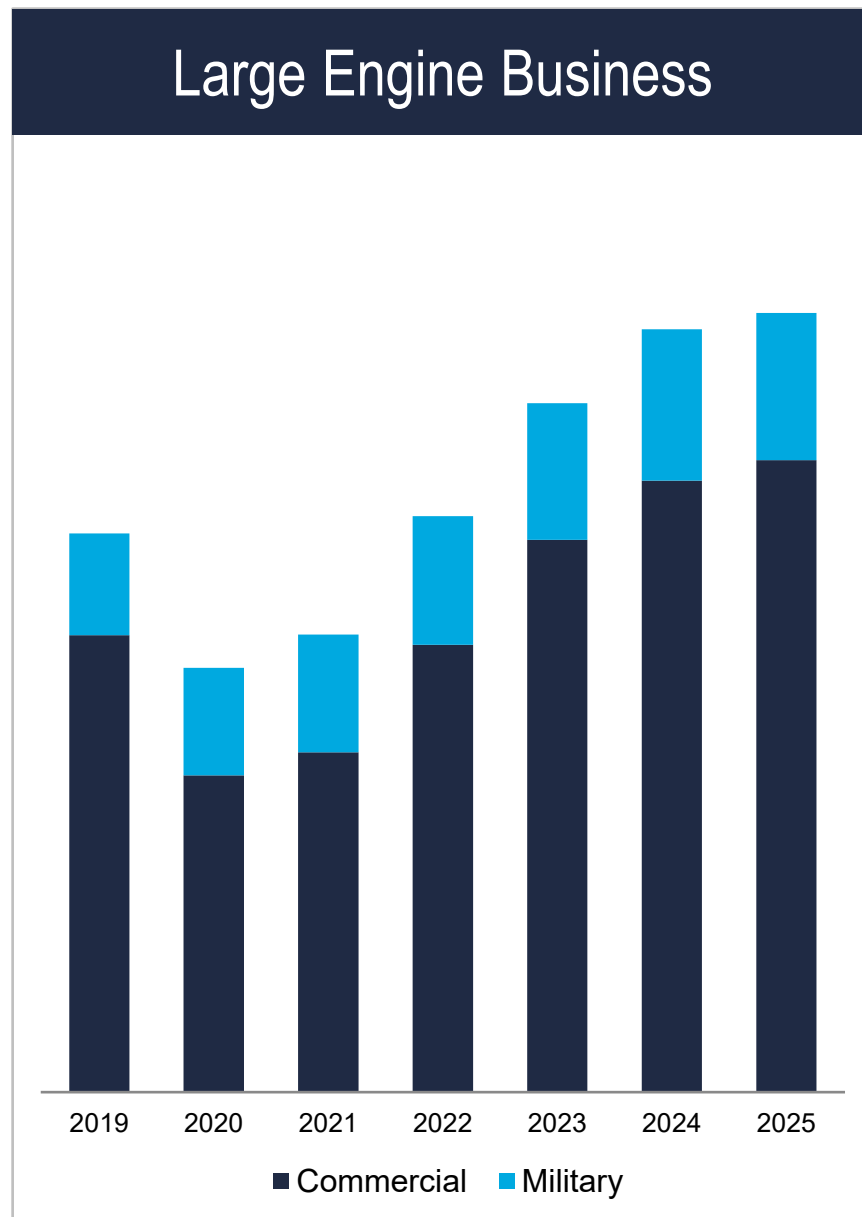
By the Numbers

97+ years

\$9B+ Supplier Receipts

GTF™ 10,000+ orders

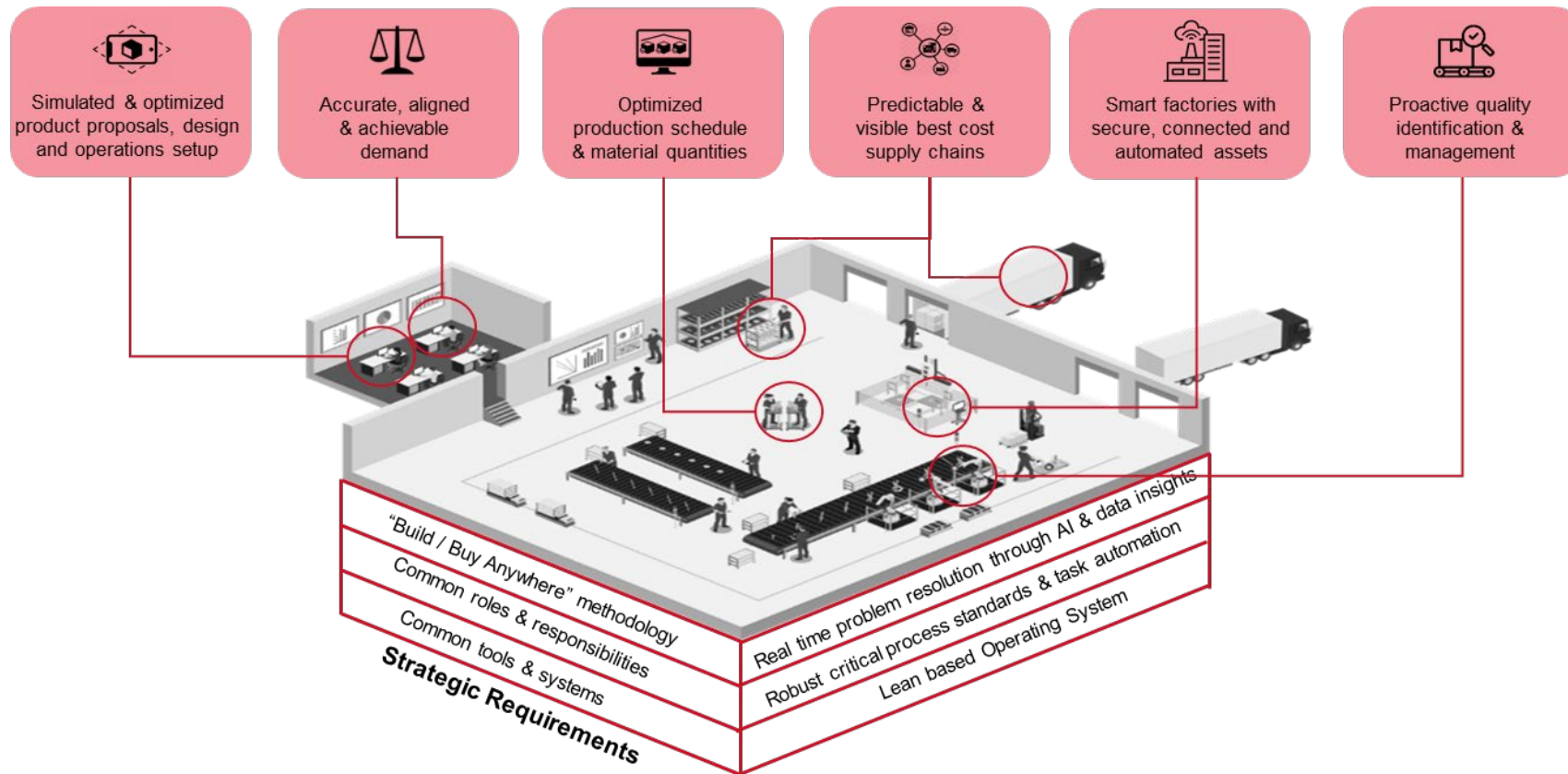
PRATT & WHITNEY DEMAND OUTLOOK



PRATT & WHITNEY TECHNOLOGY ROADMAP

Driving unbeatable performance

Pratt & Whitney Scale and Scope



Supply Chain Connectivity

Best in class performance

World class workforce & culture

Technology enabled process improvement

Value Drivers

Customer satisfaction

Cash efficiency

Productivity

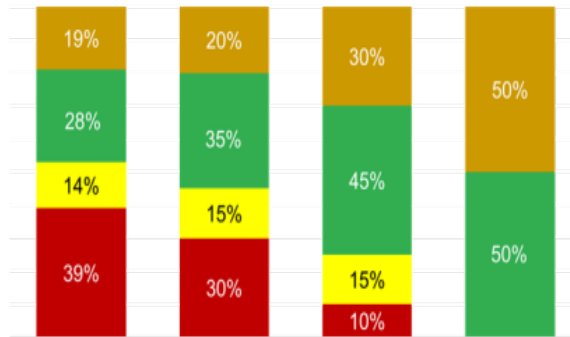
Expectation is that P&W suppliers leverage Industry 4.0 principles

OUR EXPECTATIONS

Perfect Quality & UPPAP



Performance & Production Rate Readiness



Innovation & Cost Reduction



LTA Governance & Cyber Security





E7



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**POWERING
FREEDOM**



Thank You