



GO BEYOND

PRATT & WHITNEY COMPANY OVERVIEW

WITH PRATT & WHITNEY WOMEN'S COUNCIL

OCTOBER 2019



Kathleen Galligan
Engineering Development Program
PWWC Outreach Chair



Katrina Paolini
Quality Engineer
PWWC President



Jennifer Thomas
Deputy CIPTL, F135 HPC
PWWC Advisor & Former President

United Technologies



Net Sales \$16.6B



Net Sales \$19.4B



Net Sales \$12.9B



Net Sales \$18.9B



UTC is 240,000 Employees Strong, Four Major Business Units, \$66.5B Sales

P&W WPB WOMEN'S COUNCIL MISSION

The Pratt & Whitney Women's Council's mission is to support the recruitment, development and retention of female talent by raising the awareness of career opportunities, coaching, guiding, mentoring and providing an inclusive networking environment.



Customer Service

Operations

Legal & Compliance

Strategy & Development

Ethics & Compliance

Design

Aftermarket

Structures

Materials & Processing

Aerodynamics

Quality

Heat Transfer & Secondary Flow

Engine Test

Project

Manufacturing

Business Analytics

Communications

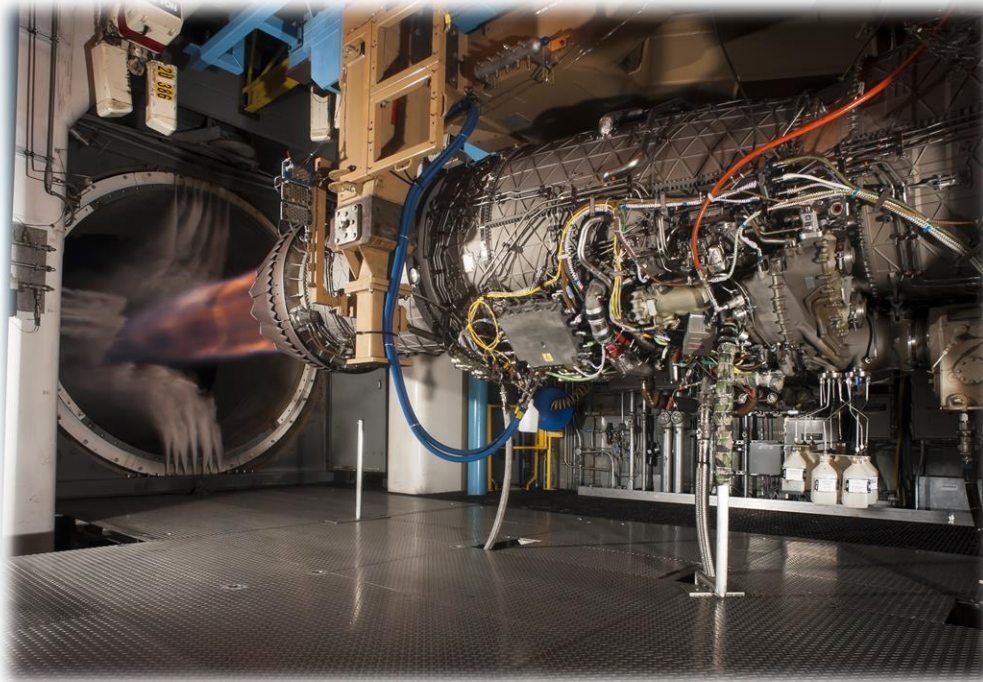
Finance

Environment, Health, and Safety

Robotics

Global Supply Chain

Product Definition



F135 PROPULSION SYSTEM

FOR THE FIFTH GENERATION F-35 LIGHTNING II



40,000

Pounds thrust class

The World's Most Advanced Fighter Engine



PW800 ENGINE FAMILY

FOR BUSINESS JETS

10,000 – 20,000 Pounds Thrust Class

Outstanding fuel efficiency

Low levels of emissions

Longest maintenance intervals
in the industry

Pratt & Whitney's Next-Generation Engine Family

GTF ENGINE FAMILY

FOR LARGE COMMERCIAL AIRCRAFT
AND REGIONAL JETS

17,000 – 33,000
Pounds Thrust Class

16%

Improvement in
fuel efficiency

50%

Reduction in
regulated NOx
emissions

75%

Reduction in
noise footprint

GTF Technology Provides Major Benefits

AFTERMARKET AND GLOBAL SERVICE NETWORK



Connecting with Our Customers Worldwide Implementing EngineWise®

DATA INSIGHTS



Predict future maintenance visits

Differentiated customer experience

Proactively monitor the health of engines on-wing

Improved enterprise performance, capability and responsiveness

PRATT & WHITNEY ADVANCED MANUFACTURING



Investment in facilities
for productivity

Investment in
automated
manufacturing

Investment in
inspection technology
for quality

State of the Art Technology to Produce Advanced Aerospace Products



Junior Achievement



Green Grant Program



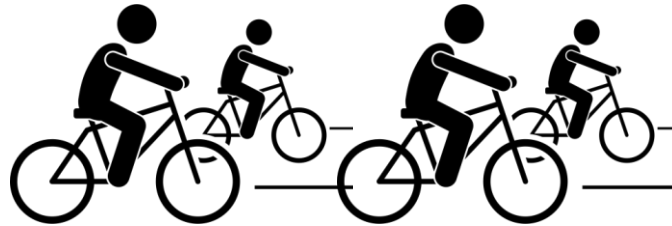
Project KGNMT & e-Learning
Centers, India



Veterans and Military
Families



Komen Race for the Cure®



Centraide P2P Challenge



United Way Day of Caring

Corporate Social Responsibilities

2020 SUSTAINABILITY GOALS

MOVING THE WORLD FORWARD



*Improvement versus 2015 baseline; factory and service goals. 1 - Further reduce CRE exposures to 50% below OEL. No current UTC CRE exposures above OEL. See utc.com. 2 - Level one mistake proofing implements controls to prevent the same injury from occurring again.

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ENVIRONMENT, HEALTH & SAFETY COMPLIANCE GOALS

0 ENFORCEMENT ACTIONS, NON-COMPLIANCE

100% INSPECTIONS WITHOUT ENFORCEMENT ACTIONS

100% ANNUAL PERMIT & PROGRAM EVALUATIONS

100% PASSING COMPLIANCE/ ASSURANCE SCORES

UTC.com

Since 2006, Pratt & Whitney has tripled production while...

Reducing Greenhouse gas emissions equal to 1,713 railcars of coal...
That's almost 18 miles of railcars.



*Greenhouse gas emissions are presented in metric tons of CO₂e.

Reducing Water usage by 596 million gallons...
Equal to over 902 Olympic-sized swimming pools, which would stretch over 28 miles.



Owning Our Future

2019 PRIORITIES



CUSTOMER EXPERIENCE

Making Commitments

Delivering on Commitments



CULTURE TRANSFORMATION

Purpose & Fulfillment

Behavior & Urgency

World-class Shop Floor
Experience



FINANCIAL PERFORMANCE

Productivity

Price

Cost

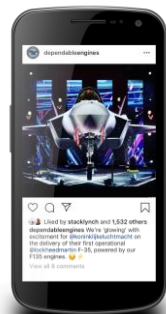
Asset Management

Supported Through Digital Technology and Infrastructure

CONNECT WITH US!



@prattandwhitney



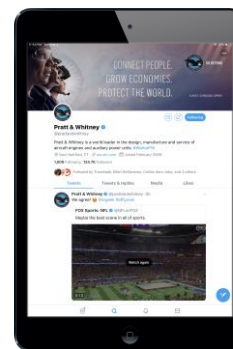
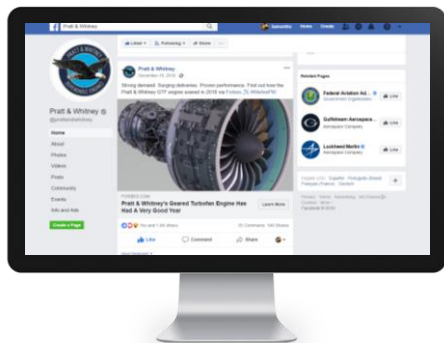
@prattandwhitney



@prattandwhitney



@dependableengines



Social Media at Pratt & Whitney - #WEAREPW

PRATT & WHITNEY'S FUTURE IS BRIGHT

Best-positioned
military engine portfolio

Fighter, tanker, bomber, APU
and future opportunities

Most diversified
small-engine portfolio

15 new applications in last 5 years

GTF engine is
architecture of choice

7-year backlog*



100,000 Engines in Service by 2020



GO BEYOND

Fighter



Photo: Lockheed Martin

F-35 Lightning II



F-22 Raptor



F-16 Fighting Falcon



F-15 Eagle

Mobility / Tanker



KC-46 Pegasus



Photo: Embraer

KC-390



C-17 Globemaster III



B-52 Stratofortress

Auxiliary Power Unit



Photo: Airbus

A400M Atlas



V-22 Osprey



Photo: Sikorsky

CH-53K King Stallion



Photo: Raytheon

Miniature Air Launched Decoy

Future Opportunities



B-21 Raider



B-52 Re-Engine



F-35 Growth



Adaptive Engine Technology Development (XA101)

Military Engines Product Applications Help Power Freedom

Business Aviation



Photo: Gulfstream

Gulfstream G500



Photo: Dassault

Dassault F7X/F8X

Regional Aviation



Photo: ATR

ATR 72



Photo: Bombardier

Bombardier CRJ-900

Helicopter



Photo: Leonardo

Leonardo-Finmeccanica AW169



Photo: Bell

Bell 429

General Aviation



Photo: Textron

Beechcraft King Air 350



Photo: Pilatus

Pilatus PC-12NG

Auxiliary Power Units



Photo: Boeing

Boeing 787



Photo: Airbus

A380

Aftermarket



Customer First Centre



Maintenance, Repair & Overhaul

Wide Variety of Customers and Uses for Business, Regional, Helicopter and General Aviation

Legacy



Photo: Boeing

Boeing 757



Photo: Airbus

Airbus A320



Photo: Boeing

Boeing 767



Photo: Airbus

Airbus A330



Photo: Boeing

Boeing 777



Photo: Airbus

Airbus A380

GTF



Photo: Airbus

Airbus A320neo



Mitsubishi MRJ



Photo: Airbus

Airbus A220



Photo: Embraer

Embraer 190/195-E2



Photo: UAC

Irkut MC-21

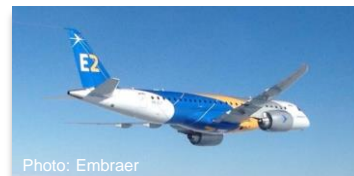


Photo: Embraer

Embraer 175-E2

P&W Powers Commercial Legacy Fleets and the Exclusive Geared Turbofan Fleets