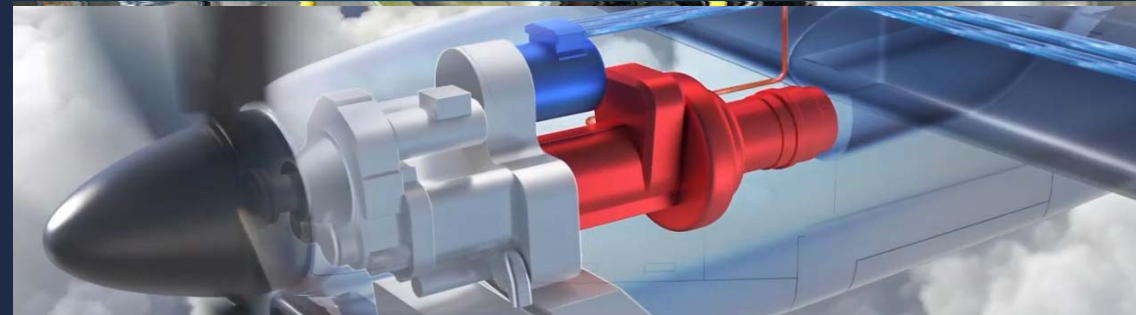




GO BEYOND

INNOVATION & TECHNOLOGY

14TH GLOBAL HUMANITARIAN AVIATION CONFERENCE
OCTOBER 2022 - ISTANBUL



EXPORT CLASSIFICATION



Check this box if presentation contains “no technical data”

OR

Summarize the export classifications of all slides in this presentation as instructed below:

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2. ECCN(s) (EAR): Text Here	Text Here
3. P-ECCN(s): Text Here	Text Here
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VIDEO 1



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P&WC'S TECHNOLOGY INNOVATIONS
POWERING SUSTAINABLE AVIATION

GHAC 2022 - EXPORT CLASSIFICATION: NO TECHNICAL DATA - P&WC PROPRIETARY INFORMATION - FOR PLANNING PURPOSES ONLY

HUMANITARIAN AVIATION UNIQUE CHALLENGES AND NEEDS

SUPPORTING THE HUMANITARIAN COMMUNITY



**Remote Locations
Operations**



**Harsh Environment
Conditions**



**Operating Cost
Predictability**

>75% OF FIXED-WING AIRCRAFT OPERATING IN HUMANITARIAN MISSION ARE P&WC POWERED

HOW DO WE ADDRESS CURRENT MARKET CHALLENGES TOGETHER?

Drivers

Used aircraft inventories
3.6% Inventory of used aircraft at all time low



Industry-wide talent shortage
Impacting every aspect of the industry

+30% Transactions of pre-owned jets
Over pre-pandemic numbers



Interest rate increases
Global interest rate increases are changing buying behaviors



Double digital inflation
Impacting operational costs & appetite to provide loans



Supply chain challenges
are affecting every aspect of the industry

POWERING SUSTAINABLE AVIATION™

SMARTER.
CLEANER.
GREENER.



Next Gen Technologies

P&WC continues to push technologies to deliver more efficient aircraft propulsion systems leveraging advanced materials and investing in hybrid-electric architectures.



Sustainable Aviation Fuel (SAF)

We have been testing and certifying SAFs for over a decade. All of our engines are able to operate at up to the maximum certified blend of 50% with conventional jet fuel.



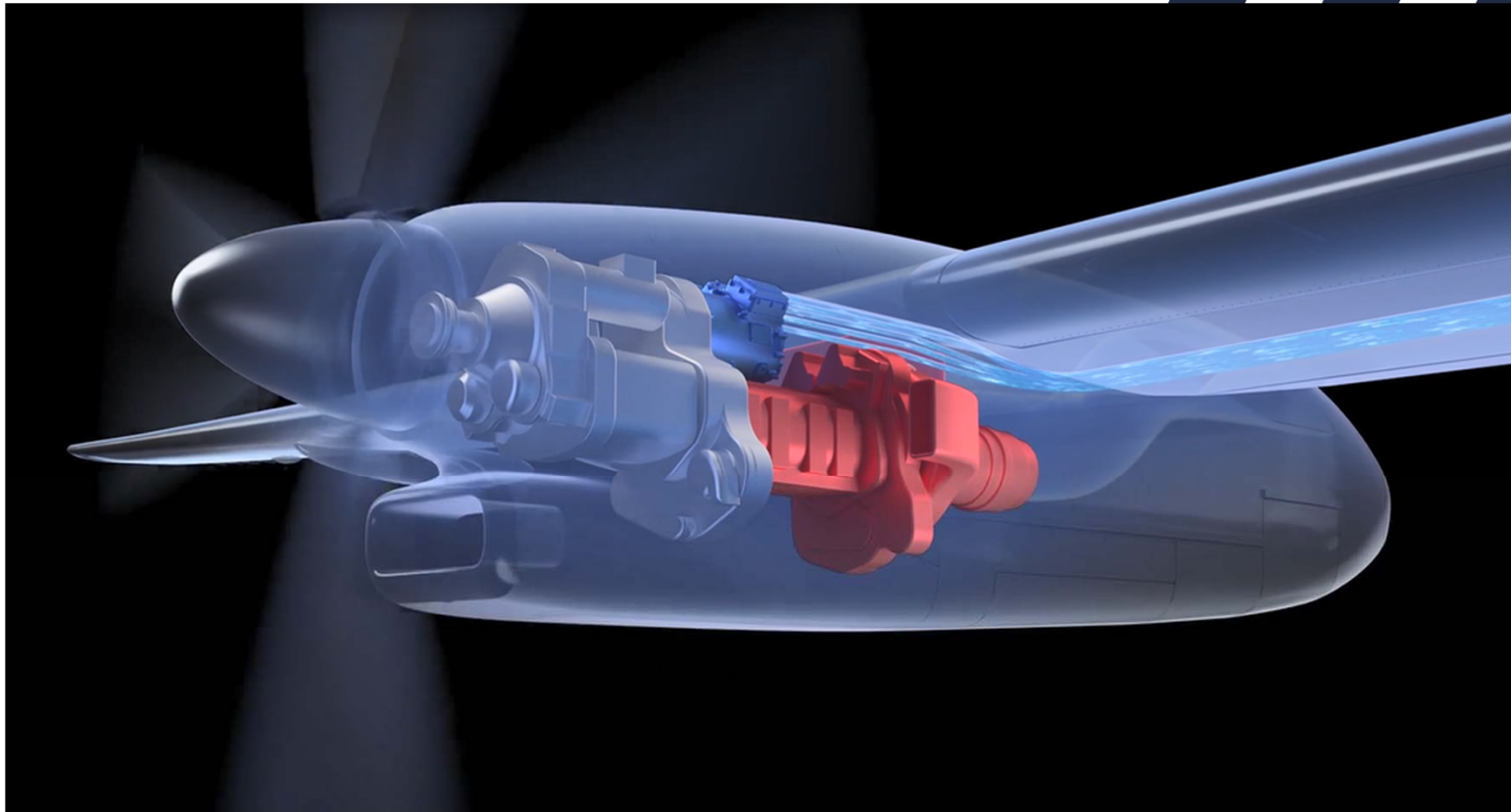
Carbon Offset Service

Turnkey solution available today for our operators on a maintenance program. Emissions are compensated through audited & certified sustainable projects.





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VIDEO 2

CARBON OFFSET SERVICE



A sustainability service compensating flight emissions for P&WC operators.



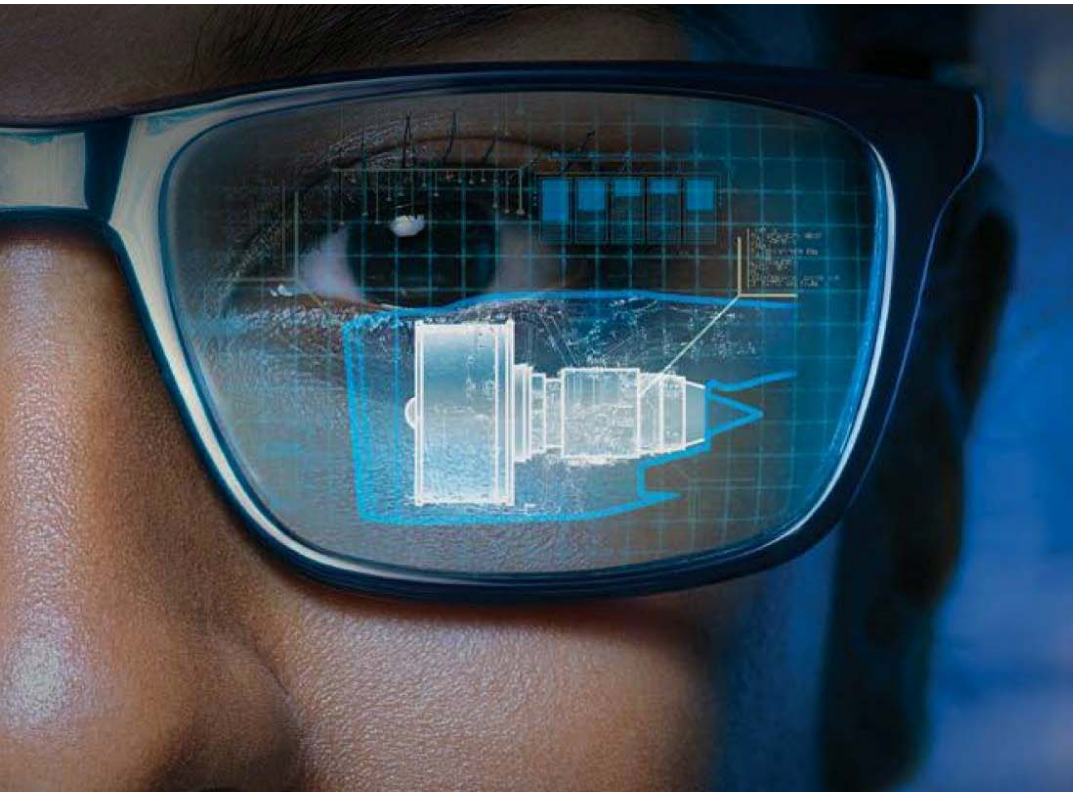
Working with South Pole – a leading supplier of sustainable solutions – to procure carbon offsets.



Administered as an hourly fee added to their ESP™ maintenance program.



Turnkey solution: P&WC handles emissions assessment and offset purchases based on reported engine utilization with no additional work for operators.



A DATA-DRIVEN MODEL FOR SOLUTIONS & SERVICES DELIVERY

“ Flexibility and using data differently along with expanding our industry relationships creates actionable intelligence and enables real-world solutions. ”



A NEW DIGITAL EXPERIENCE

P&WC'S SERVICES HUB

LAUNCHING AT NBAA



With 400+ aircraft and P&WC engine model combinations, 66,000 engines in service, and 70+ maintenance offerings, our new digital tool guides the customer online within seconds to the right solutions for their engine model and lifecycle stage. This has never before been possible.

<https://www.pwc.ca/services-hub/>

TRANSFORMING THE CUSTOMER JOURNEY



Enhancing the customer experience



Simplifying and streamlining information



Increasing customer loyalty & accessibility



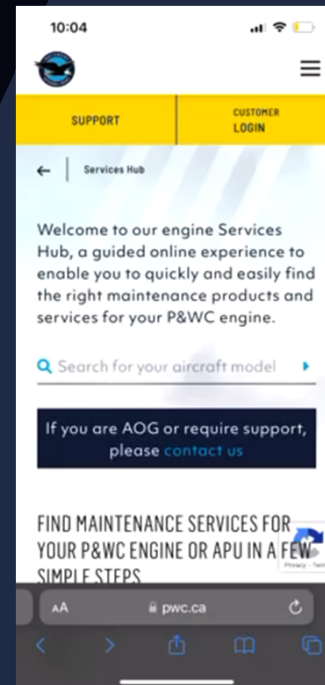
Guiding customers & employees



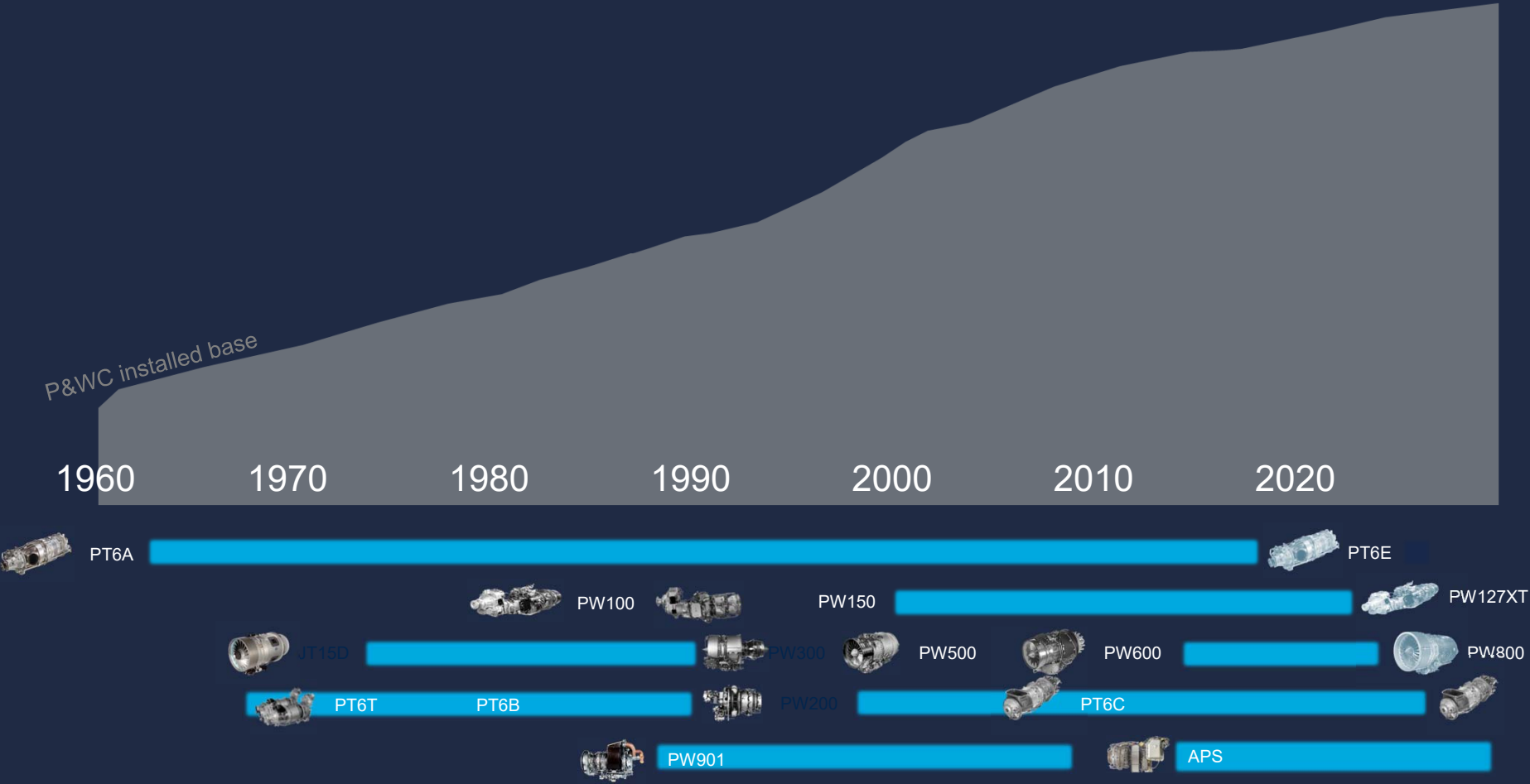
Adapting to shifting behaviors



Supporting the P&WC frontline



A STORY OF SUCCESS



OUR ENGINES

PW206C



Leonardo
AW109 Power

PT6A-52



HBC King Air
200GT

PW901C



Boeing 747-8

PW535E



Embraer
Phenom 300

PW210S



Sikorsky S76D

PT6C-67E



Airbus
Helicopter H175

PW210A



Leonardo
AW169

PW307D



Dassault
Falcon 8X

PT6E-67XP



Pilatus
PC-12NGX

APS2600



Embraer
E2 175

1995

2000

2005

2010

2015

2020

2022

PW150A



Bombardier
Q400

PW308C



Dassault
2000EX

PW307A



Dassault Falcon
7X

PW207D1



Bell 429

PT6A-140



Cessna Grand
Caravan EX

PW127N



ATR 72-600

**PW814GA/
PW815G**



Gulfstream
G500/G600

PW306D1



Cessna Citation
Latitude

PT6A-65SC



Cessna
Skycourier

P&WC REACH

42,000+

AIRCRAFT IN SERVICE

66,000+

ENGINES IN SERVICE

113K+

ENGINES PRODUCED

975M+

OPERATING HOURS

435M+

PT6A HOURS

216M+

PW100 HOURS



PT6A is the only engine to achieve
single-engine IFR for passenger
revenue service

THE NEW PW127XT ENGINE

SETTING THE NEW STANDARD FOR OPERATING ECONOMICS AND SUSTAINABILITY FOR REGIONAL AVIATION

40% MORE
time on wing

20% LOWER
maintenance costs

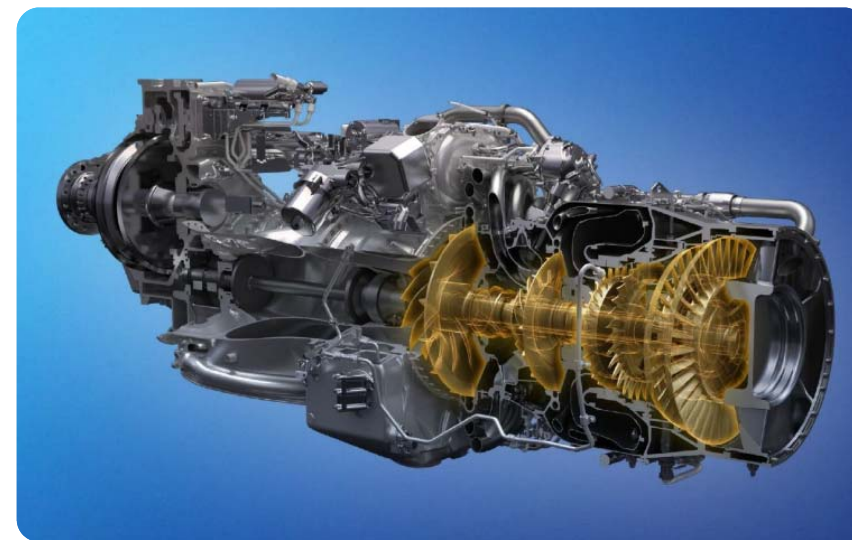
3% BETTER
fuel efficiency

Increased capacity **low-pressure compressor** and high efficiency

High-pressure compressor
New **high-pressure turbine module** for neXT level efficiency and durability

Enhanced efficiency **power turbine module**

A **new gas-generator case** reflecting our latest design best practices with improved oil distribution system



2021

Engine Launch
(November)

2022

PW127XT-M and
ATR SAF Flight
testing

Transport Canada Engine
Certification

ATR Regional Aircraft EASA
Certification

EIS

XT SUSTAINABILITY



Utilizing inherent design propulsion efficiencies to burn less fuel with optimized speed over shorter sector lengths



Regional Turboprops consume up to 40% less fuel, amounting to a similar proportion of CO₂ savings compared to regional jets for the missions they fly



Running on 50/50 SAF mix driving to 100% SAF



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VIDEO 3

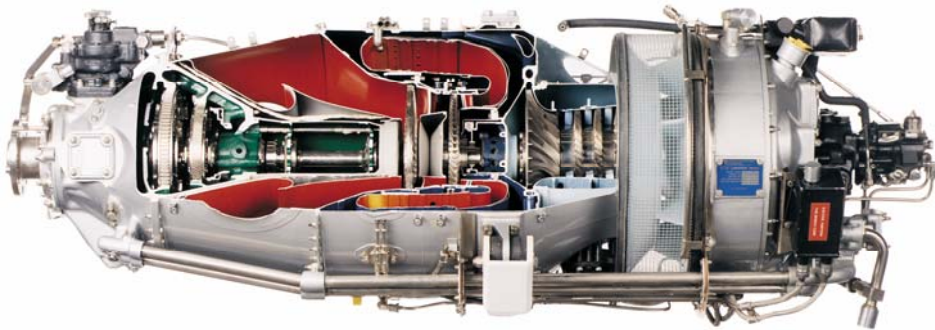
PT6 TURBOPROP MILESTONES

INDUSTRY LEADERSHIP

50K

PT6A
ENGINES
DELIVERED

IN 50 YEARS



200+

PT6-E
ENGINES
PRODUCED



GO BEYOND



VIDEO 4



GO BEYOND

THANK YOU