From Growth to Success

Take the Next Steps Now with FedEx Aerospace Solutions

September 2023



From Growth to Success

Take the Next Steps Now with FedEx Aerospace Solutions Panel Topics Panelist Introduction

- Current MRO Aftermarket Update
- Evolving Trends in Aerospace Aftermarket
- MRO Supply Chain Concerns
- FedEx Solutions for Aerospace
- Aftermarket Case Studies
- Digitization, Technology, and Innovation

Our Panelists Today



Andy Sim Worldwide Account Manager Worldwide Sales, Aerospace FedEx Express Asia Pacific

Moderator



Angie Hong Vice President Worldwide Sales FedEx Express, Asia Pacific, Middle East and Africa



Tim French Managing Director Worldwide Sales FedEx Express, Asia Pacific, East and Africa

Middle



Ken McMahon Managing Director Customer Solutions & Special Services FedEx Express, Asia Pacific, Middle East and Africa



APAC MRO Aftermarket Soaring on Strong Air Traffic Recovery



17,620

New Aircraft Needed for Expected Passenger Growth by 2040 Asia Pacific Passenger Traffic to Grow **5.3%** Annually for Next 20 Years Asia Pacific MRO Market Expected to Grow \$23.0B by 2028

Passenger Traffic in Singapore to Increase

126%

Annually for the Next Two Decades Boeing Predicts Demand for 41,000 New Aircraft Worth

\$7.2T

46%

of Airbus Flights will be Delivered in APAC for the Next 20 Years Singapore MRO Industry Forecasted to Grow

\$55.6B

by 2026, up from \$41.9B in 2021

Evolving Supply Chain Trends for Aerospace Aftermarket

Rising Demand for Services

Increasing MRO Demand due to Higher Customer Volume, Parts Requirements, and Aircraft Production

X

Strategic Procurement and Inventory Planning

Companies Embracing Strategic Procurement & Inventory Planning for Reduced Costs via In-Region Sourcing and Efficient Inventory Management



MRO



MRO Site Adaptations Challenges

Shifting/Relocating MRO Sites to Tackle Cost, Time, and Space Challenges from Escalating Shipping Volumes

Technology-Driven Supply Chain

Embracing Technology for Supply Chain

Optimization and Exploring Tech-Enabled

Solutions

Solutions

Changing Transport Dynamics for MRO Customers

Airlines Considering In-House Transport vs. MRO-Provided Transport Services



Comprehensive Transport Solutions in Demand



Customers Seeking Transport Partners able to offer Comprehensive One-Stop-Shop Solutions

Long-Term Supplier Relocation Prospects

Potential Supplier Relocation Driven by Customer Proximity and Cost-Saving Expectations



Focus on Environmental Sustainability

Increasing Emphasis on Environmentally Sustainable Initiatives in MRO Operations

Supply Chain Challenges for Aerospace MRO Operators

Rising Aerospace Parts Costs Escalating Expenses in the Aerospace Part Sector Need for Tailored SolutionsFlexible, CustomizedAerospace Solutions

Shortages in Materials Posed by Material Aerospace Industry

Challenges Scarcity in the

Visibility Gaps in

Contingency

Planning Enhanced Real-Time Visibility and Technology-driven Predictive Analysis

Space Constraints

Fed Ex

Space Availability Concerns, particularly for Hazardous Goods in Aerospace

24/7 Aerospace

Support

Expertise

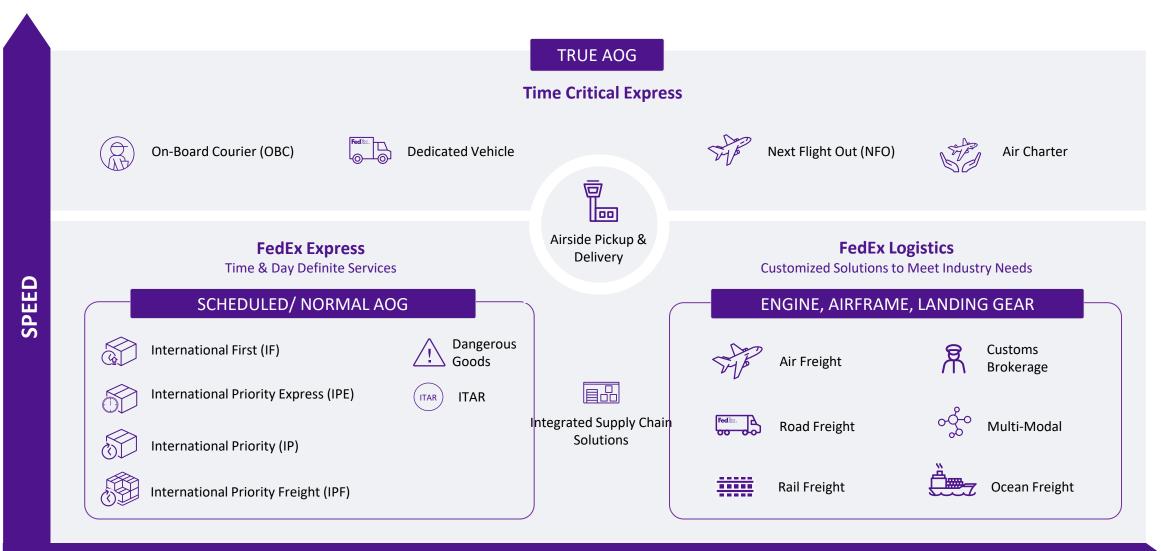
Connecting

Information and Providing Round-the-Clock Support for Logistics

FedEx Global Capabilities Connecting Aerospace Customers Around the World

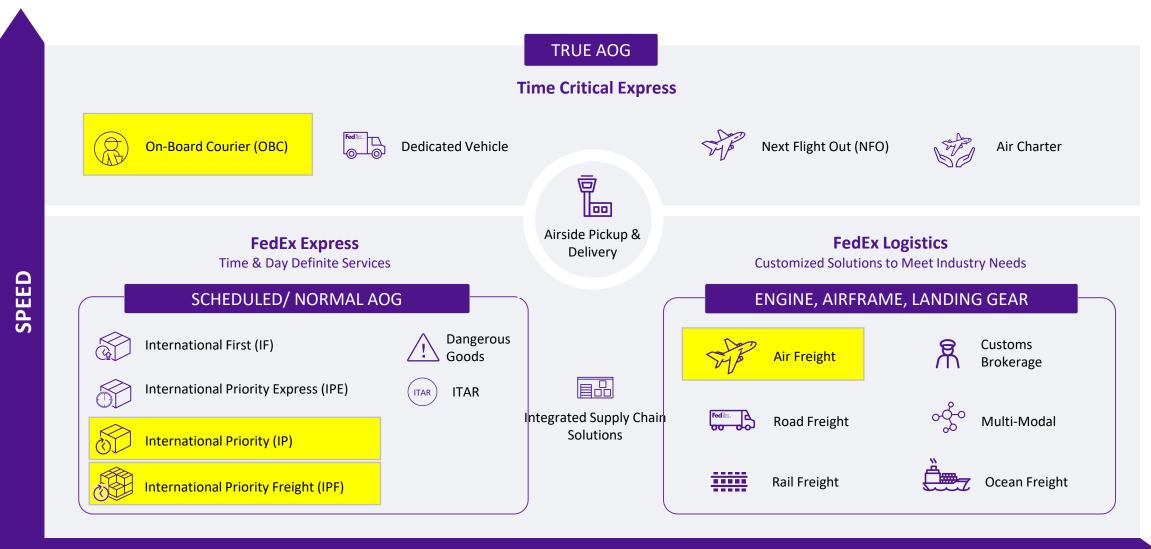


One FedEx Solutions for the Aerospace Aftermarket



WEIGHT

One FedEx Solutions for the Aerospace Aftermarket



WEIGHT

Time Critical Shipment from Japan to United States AOG Onboard Courier Delivery within 24 Hours

Customer Requirement
NRT Weekend Pickup + Fastest Connection to SEA

Shipment Commodity Aircraft Panel Display 1 kg, 55 x 17 x 16 cm, Non-DG

- FedEx Special Services (SpS)
- Onboard Courier + Hand-Carry from Japan to U.S. OEM





Time Critical Shipment from Japan to United States AOG | Onboard Courier Delivery within 24 Hours



Thanks to FedEx for their outstanding service. They saved us from costly service disruptions, and we can always count on them when it truly matters!



Palletized Cargo from Singapore to France Scheduled AOG | Priority Movement + Proactive Monitoring

Customer Requirement
Urgent Uplift & Monitoring for Palletized Avionics

Shipment Commodity

Avionics Parts 480 kg, 110 x 86 x 113 cm, Non-DG

- FedEx International Priority Freight (Guaranteed Uplift)
- FedEx Priority Alert Shipment Monitoring

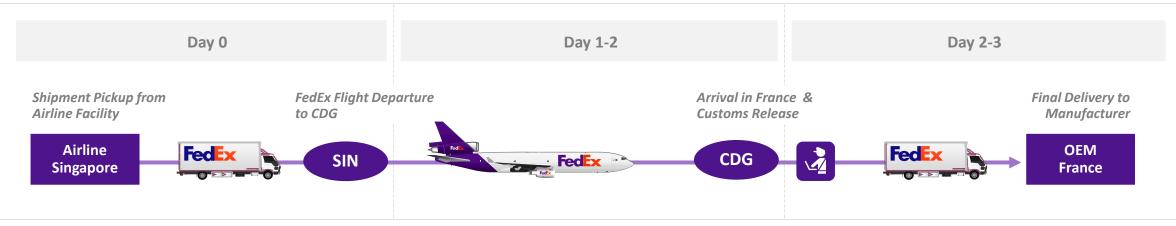




Palletized Cargo from Singapore to France Scheduled AOG | Priority Movement + Proactive Monitoring



A big shoutout to FedEx and Jacqueline for the outstanding efforts in ensuring our parts were uplifted during a critical period of flight capacity shortage. Your meticulous arrangement made all the difference, and we couldn't be happier with the results



UAE to France Next-Day Movement Airside Pickup | Urgent Parts Delivery within 36 Hours

Customer Requirement

DXB Airside Pickup + Fastest Connection to CDG

Shipment Commodity

Aircraft Parts 55 kg, 110 x 45 x 40 cm, Non-DG

- FedEx International Priority
- Airside Pickup, FedEx DXB-CDG Direct Flight





UAE to France Next-Day Movement Airside Pickup | Urgent Parts Delivery within 36 Hours



Thanks to FedEx, we can now streamline our Aircraft Critical Parts Just-in-Time logistics seamlessly, directly from our airport facility to the aircraft, without the need for extra landside processes



Dangerous Goods Transportation from Singapore to Australia AOG Dangerous Goods Freight Movement

Customer Requirement
Meet Timeline for Scheduled APU Maintenance

Shipment Commodity **Auxiliary Power Unit [APU]** 55 kg, 168 x 142 x 130 cm, Class 3 DG

- **FedEx International Priority Freight**
- Dangerous Goods Handling





Dangerous Goods Transportation from Singapore to Australia AOG | Dangerous Goods Freight Movement



The APU made it to SYD on the same day – Incredible job, Divya! You haven't just saved the day but also saved our Quarter End projection



Door-to-Airport Airfreight from Singapore to Vietnam Weekend Airfreight Movement for Landing Gear

Customer Requirement
Airfreight Movement + Air Ride Trucking

Shipment Commodity Airbus A330 Landing Gear 650 kg, 355 x 160 x 135 cm, Non-DG

- FedEx Logistics Airfreight
- Air-Ride Suspension Truck Transport





Door-to-Airport Airfreight from Singapore to Vietnam Weekend Airfreight Movement for Landing Gear



Huge thanks to Paul and the FedEx team for their amazing support in ensuring the success of our urgent request. Their efforts have made a significant difference in our operations.



Door-to-Airport Airfreight from Singapore to France Aircraft Engine Move by Airfreight (Dangerous Goods)

Customer Requirement
Airfreight (Dangerous Goods) + Air Ride Trucking

Shipment Commodity Aircraft Engine 6,312 kg, 37.3m³, Class 3 DG

- FedEx Logistics Airfreight (Dangerous Goods)
- Air-Ride Suspension Truck Transport





Door-to-Airport Airfreight from Singapore to France Aircraft Engine Move by Airfreight (Dangerous Goods)



A big shoutout to Paul and Stanley for their outstanding work in making our Engine movement a success within an incredibly short turnaround time. Thank you both for your exceptional efforts!



FedEx Global Leadership in & ITAR Cargo Transportation

Hazardous

40+ Years

Experience in Shipping Dangerous Goods & Hazardous Materials

Providing ITAR-Regulated Defense Articles and Service Logistics

27+ Years

Global Presence and Participation in Dangerous Goods Regulatory Associations

9 Approved Dangerous Goods and Hazmat Classifications

3,000

UN/NA Listed Chemicals and Classes of Hazardous Materials





FedEx Solutions for Aerospace Industry

Knowledgeable Aerospace Experts

Trusted Experts Offering Accurate Real-Time Updates and Issue Resolution

Strong Global Network

Broad Service Coverage delivering Time-Definite & Express Services around the World with Fast Transit Times

Flexible, Customizable Solutions & Support

the

Customized, Flexible Solutions for Complex, Changing Customer Needs including Onsite Support

Environmental Sustainability Solutions

Green Solutions & Technology to Reduce the Carbon Footprint of Supply Chains and Support Sustainability Goals

Dangerous Goods Handling Capabilities

Strong Dangerous Goods Handling Expertise to ensure compliance with Safety, Control, and Regulatory Requirements

Digital Systems Integration & Technology

IT Systems Integration with Customer Platforms and Automated Processes to streamline Shipping Operations



"Information about the package is just as important as the package itself"

Frederick W. Smith Chairman of the Board FedEx Corporation



FedEx Sensor-Based Logistics | SenseAware

GPS-Enabled Sensor Device for Security & Visibility of Critical Aerospace Parts, Assets, and Tools 24 x 7



Next-Level Visibility GPS-Based Tracking of Aerospace Parts & Tools



AOG Inbound Tracking Geofencing + Alerts for Critical AOG Shipments



ULD Location Search Rapid Identification & Recovery of ULDs



Engine Stand Locator On-Demand Locator for Engine Stands & Assets

sense(aware



"Innovation is a part of our DNA at FedEx "

Raj Subramaniam

President & CEO Corporation FedEx



Your One-Stop Aerospace Supply Chain Partner

Industry Knowledge

Global Network Connectivity

Flexible, Customized Solutions

Dangerous Goods Capabilities

Digitalization & Innovation

