

A perspective on Workforce and Economic Development

Dr. Rubén Del Rosario Vice President, Aerospace & Advanced Transportation Crown Consulting Inc.

August 3, 2022

 FUTURE OF
 Advancing Aerial Mobility

 AVIATION
 through Technology, Sustainability,

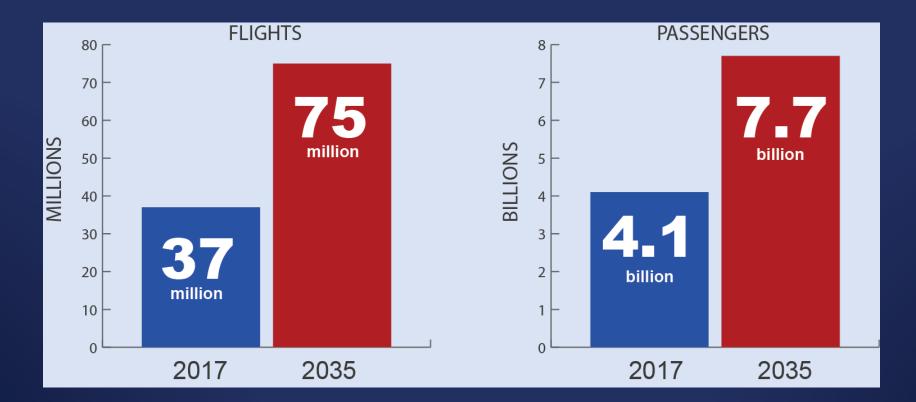
 and On-Demand Flight

Shaping the future of air transportation with concept development, design and deployment of systems and aircraft.



FUTURE OF Addition AVIATION three

Global Air Traffic Expected to Double by 2035



Requires **41,000** new aircraft creating **15.5** million jobs and adding **\$1.5** trillion to the world economy

Source: ICAO, "The Future of Aviation Report," May 2017 (https://www.icao.int/Meetings/FutureOfAviation)

Advancing Aerial Mobility through Technology, Sustainability, and On-Demand Flight

FUTURE OF

AVIATION

U.S. Airports are Underutilized

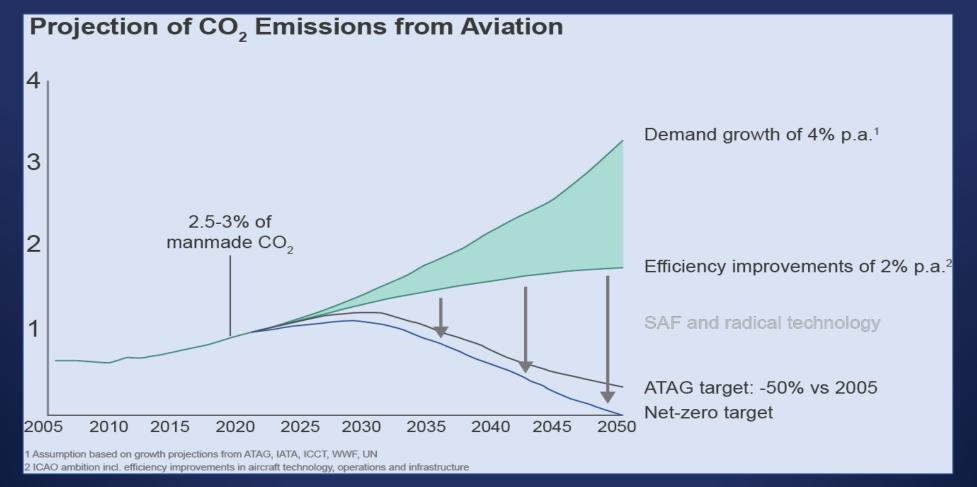
1.6% of all trips 50-500 miles taken by air



 FUTURE OF
 Ad

 AVIATION
 an

Future Must be Accomplished Sustainably



Source: Clean World Economic Forum, "Sky for Tomorrow: Sustainable Aviation Fuels as a Pathway to Net-Zero Aviation," November 2020

 FUTURE OF
 Advanci

 Advanci
 through

 AVIATION
 and On









Boeing/NASA Sugar-Volt

NASA N-3X

Airbus/Rolls-Royce e-Thrust

NASA STARC-ABL

Innovations Emerging in Aircraft Design and Fuel



NASA/ESAero ECO-150



Airbus H2 TurboProp

Airbus H2 TurboFan



Boeing/GE/NASA HERO

FUTURE OF

Advancing Aerial Mobility through Technology, Sustainability, and On-Demand Flight 6



Advanced Air Mobility (AAM)

- Moves people and cargo between places not conveniently served by surface transportation and underserved by aviation.
- Enables smart multimodal transportation connecting urban areas and regions and increasing the resiliency of the system

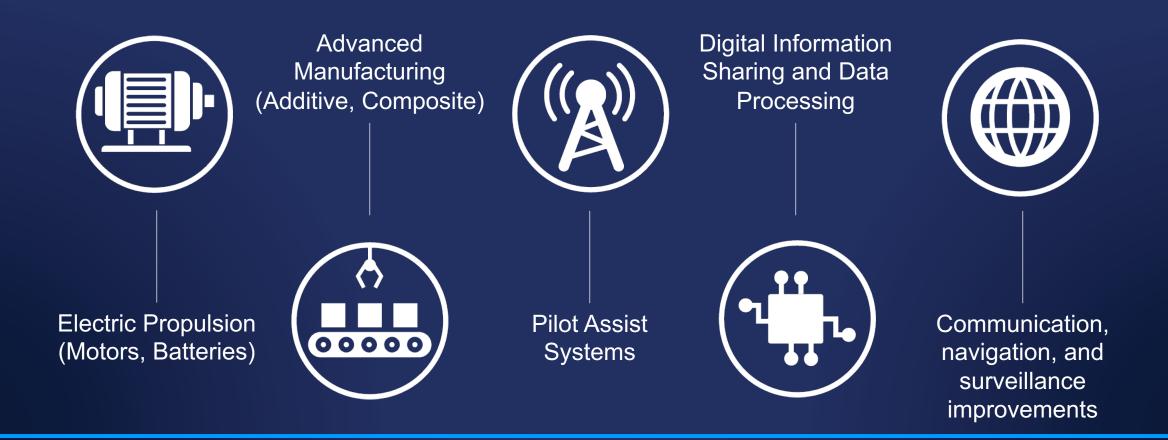
FUTURE OF

Moving Cargo and People



FUTURE OF

Disruptive Technologies, New Skills, Revolutionary Workforce



FUTURE OF