

# A perspective on Workforce and Economic Development

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 FUTURE OF
 Advancing Aerial Mobility

 AVIATION
 through Technology, Sustainability,

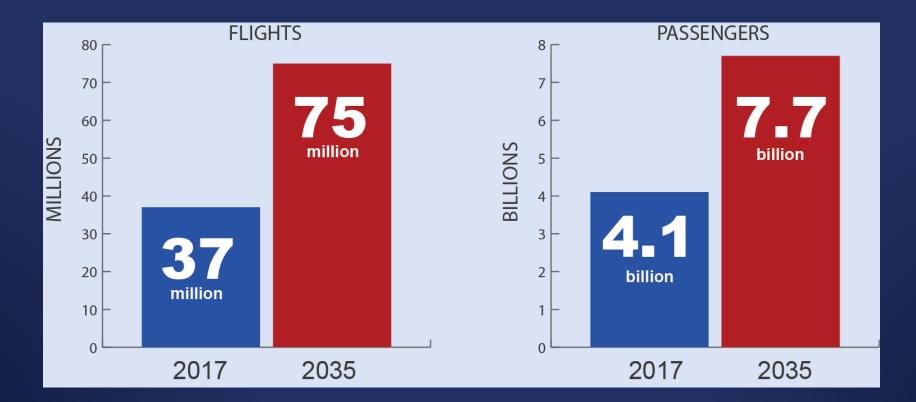
 and On-Demand Flight

# 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

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### **U.S. Airports are Underutilized**

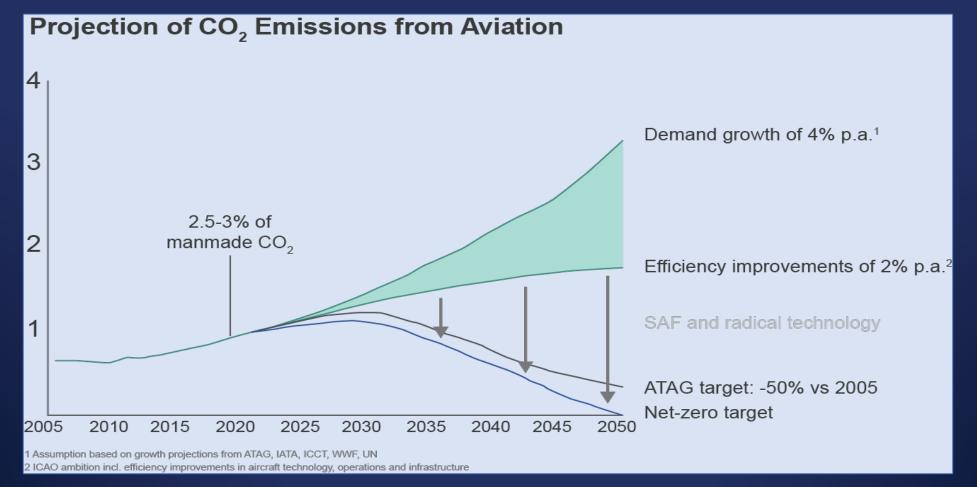
**1.6%** of all trips 50-500 miles taken by air



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### 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

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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

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### 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

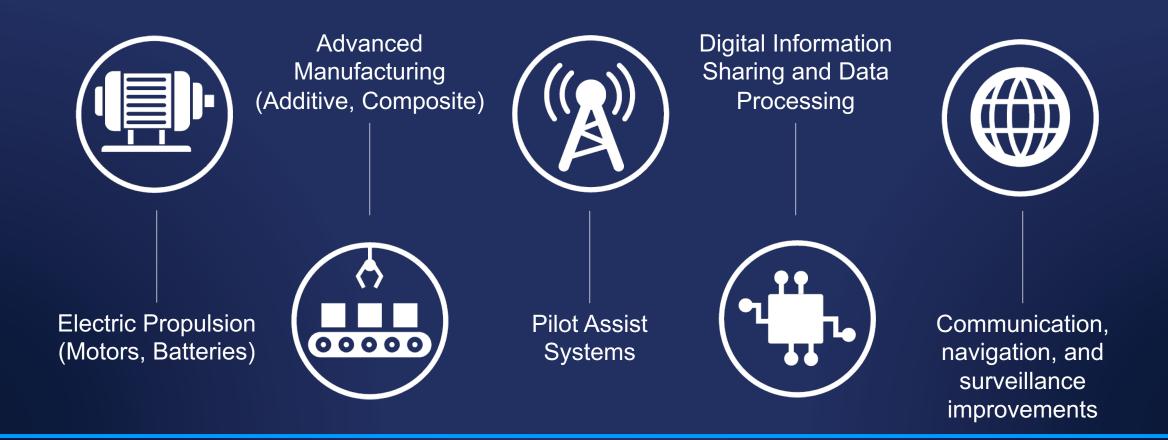
# FUTURE OF

### **Moving Cargo and People**



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### Disruptive Technologies, New Skills, Revolutionary Workforce



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