

# AVIATION CO<sub>2</sub> REDUCTIONS



STOCKTAKING SEMINAR  
TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS



# A New Vision for the Future: Clean, Quiet, More Affordable and Accessible

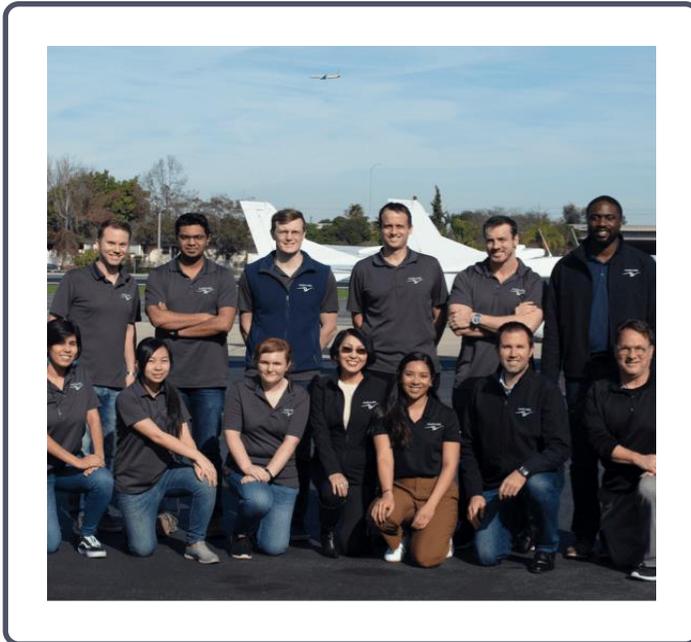
**Susan X. Ying**

SVP global operations

Ampaire

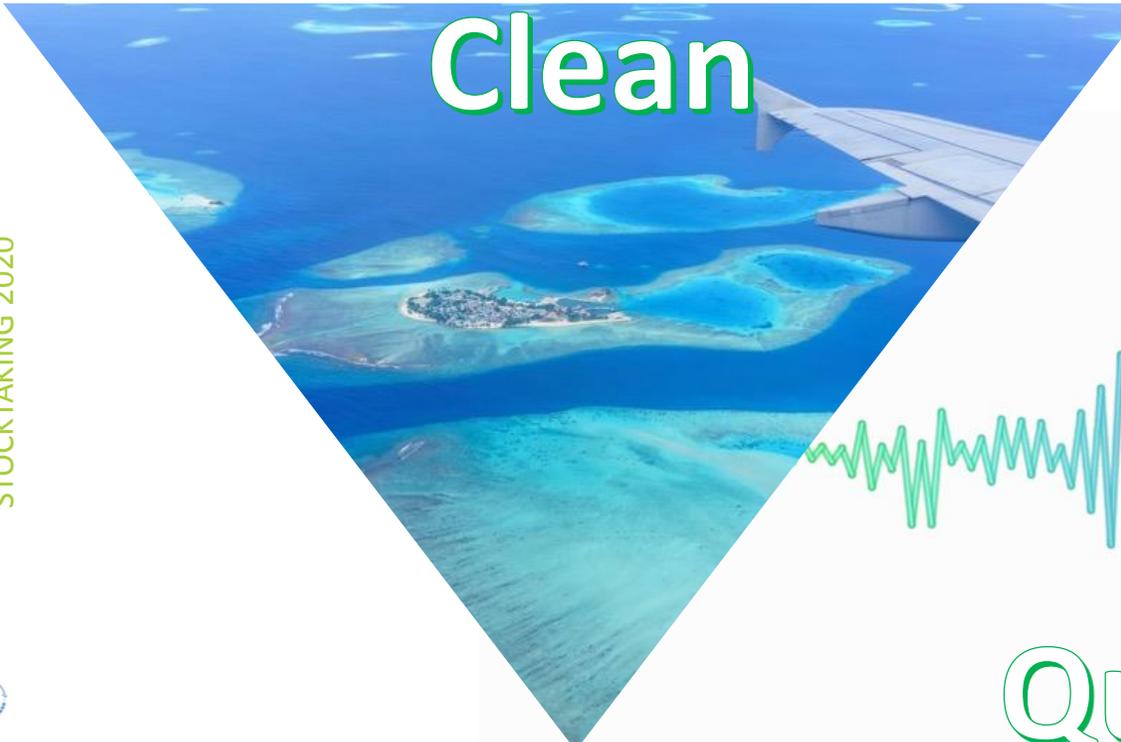


# World-class Team Working at the Heart of Aerospace & Electrification.



- ❖ Founded in 2016
- ❖ Our core team of 15 shares **diverse** backgrounds and brilliant minds:
  - Boeing's former Director of Research & Technology, past President of the ICAS
  - General Motors' former EV Chief Engineer
  - Two-time recipient of the Collier Trophy, past President of the Society of Experimental Test Pilots
  - Engineers from Stanford, Caltech, MIT, SpaceX, Northrop, NASA
  - Advisors include DARPA Director, Orbital ATK CTO, and serial CEOs.
- ❖ Subsidiaries in China and UK

# Future of Aviation is *Electric*



Clean

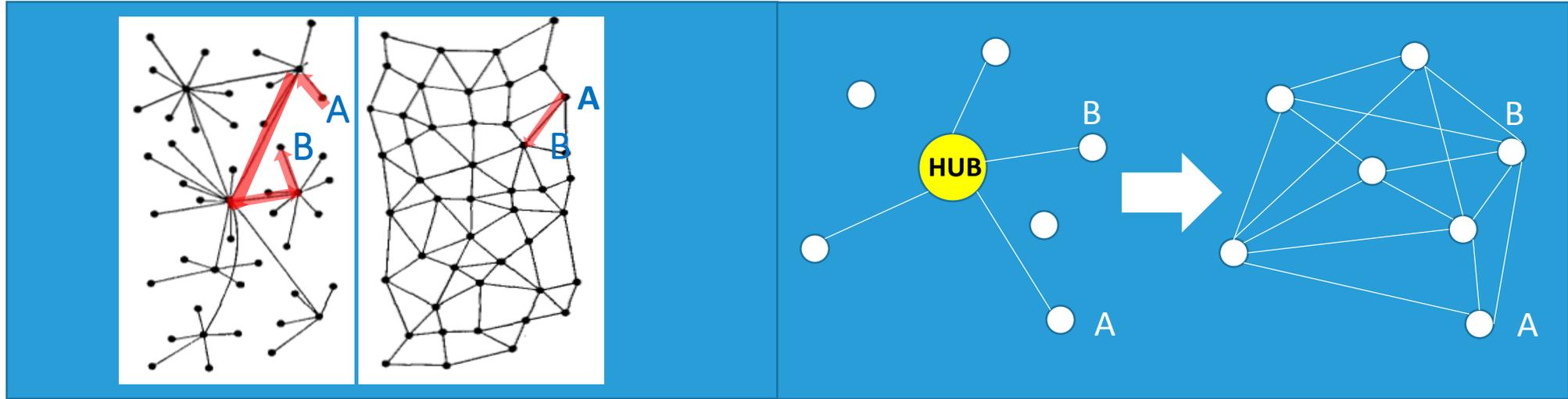


Affordable



Quiet

# Catalyst to a Fundamental *Shift* in Regional Operations



10x Destinations in US  
4X Destinations in EU  
New Destinations in  
Asia and Africa



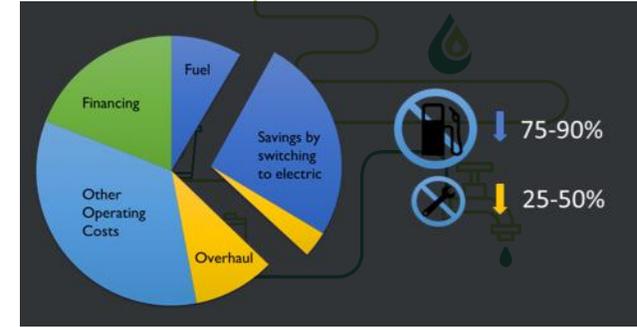
Increased Accessibility  
Connects Communities

# Airports as Future *Energy Hubs*



STOCKTAKING 2020

# Roadmap for *Practical* and *Agile* Path to Industry Adoption



STOCKTAKING 2020



	CO <sub>2</sub> reductions per flight	70-90%
	Level of finance required	100s M
	Timeframe	2023
	Main challenges	system



*Thank You*

*Let's create a cleaner future faster together!*



Tailwind™.

Energy-Optimized New-Build Aircraft

Fully Electric, No Emissions, No Compromises

Susan@ampaire.com

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# Thank You



ICAO  
Headquarters  
Montréal

European and  
North Atlantic  
(EUR/NAT) Office  
Paris

Asia and Pacific  
(APAC) Sub-office  
Beijing

Middle East  
(MID) Office  
Cairo

Western and  
Central African  
(WACAF) Office  
Dakar

North American  
Central American  
and Caribbean  
(NACC) Office  
Mexico City

Asia and Pacific  
(APAC) Office  
Bangkok

South American  
(SAM) Office  
Lima

Eastern and  
Southern African  
(ESAF) Office  
Nairobi