Aerospace Industries Association

- AIA represents more than 300 manufacturers and government service providers

- Membership ranges from prime contractors to family-owned small-parts suppliers

- We provide a forum for industry-wide collaboration on government policy issues, manufacturing standards, and advocacy efforts

- Supplier Management Council: made up of over 250 senior supply chain representatives from system integrators and manufacturers
Aviation’s Tiered Supply Chain

• Tiered Supply Chain production:
  • Roughly 1600 commercial aircraft per year and
  • More than 950 single engine piston aircraft
  • Around 55 commercial aircraft a month

• Companies have over 5000 undelivered vehicles
Imagining the Future

- Over $1 billion invested in the UAM industry in 2018 (NASA)
- Over 250 vehicle designs
- 6 open certification projects with the FAA
- 1.3 billion trips projected by 2040 (NEXA Advisors)
Role of Government in UAM Future

• Infrastructure

• White House Office of Management and Budget FY 2021 Priorities

• NASA Research Projects
  • UAM Grand Challenge
  • Advanced Air Mobility research portfolio
UAM Ecosystem Example

500 Simultaneous UAM Operations

Operator 1 (100 Vehicles)  Operator 2 (100 Vehicles)  Operator 3 (100 Vehicles)  Operator 4 (100 Vehicles)  Operator 5 (100 Vehicles)
UAM Ecosystem Example

5000 vehicles operating simultaneously

1% scale of UML-6
How do we get there?

1. Leverage Techniques from other industries

2. Creating and Strengthening Partnerships

3. Developing a Future Workforce
Thank you