Advanced Air Mobility

Borders Committee | Item 5
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What is Advanced Air Mobility?

Advanced Air Mobility (AAM) uses new types of aircraft and infrastructure – like electric air taxis and drones – to move people goods and emergency services quickly through the air

Early Deployments:

- Innovate/LA 28
- State of New York
- Choctaw Nation of Oklahoma
- San Diego UAS Integration Pilot Program

Source: Joby Aviation

Source: San Diego Integration Pilot Program – Uber Elevate

What is the AAM Strategic Implementation Toolkit?

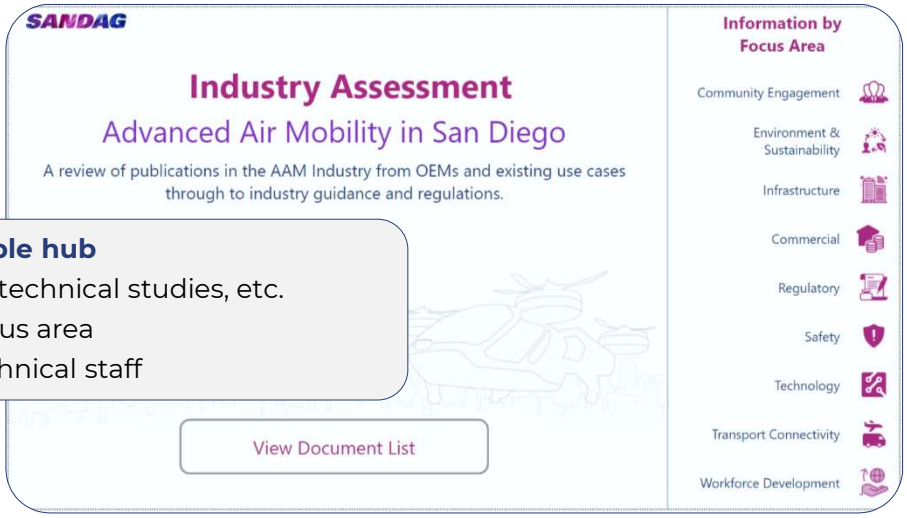
A practical guide to help stakeholders proactively plan for AAM technology, emphasizing:

Safety
Efficiency
Regulatory Compliance
Community Needs

Market and Industry Repository

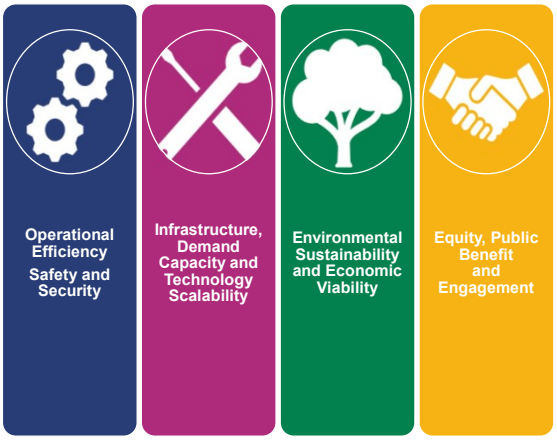
A "living", searchable hub

- Industry reports, technical studies, etc.
- Organized by focus area
- Planners and technical staff

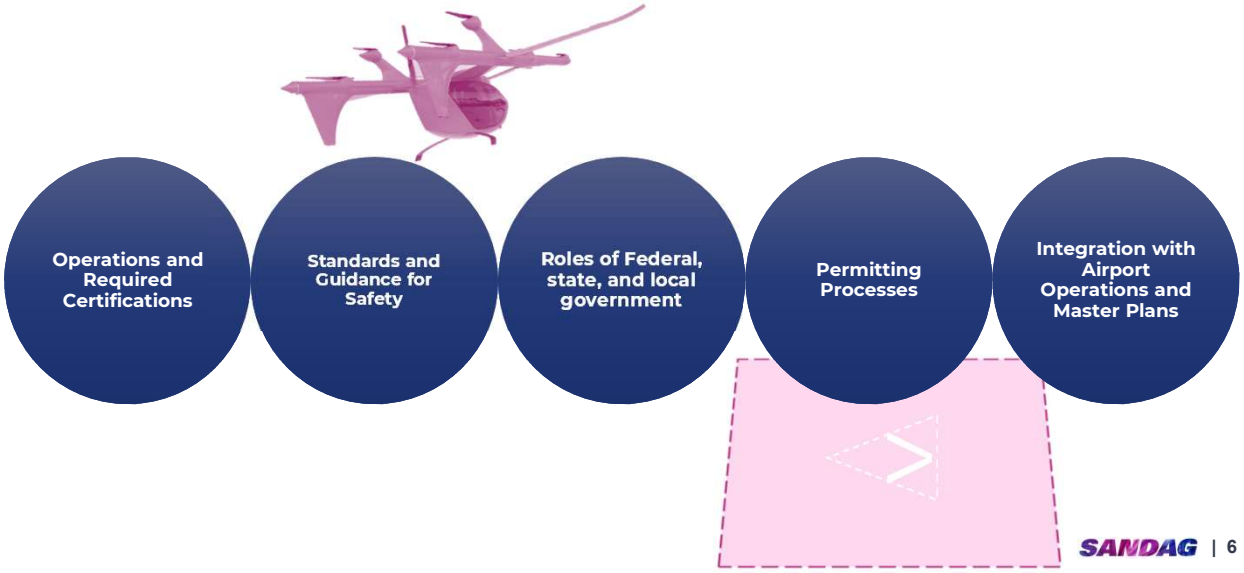


Guiding Principles (Chapter 1)

- Developed by a cross-sector Collaborative:
  - Local and Regional Planners
  - Transportation Agencies
  - Tribal Governments
  - Regulatory and Permitting Agencies
  - Industry and Academic Experts
  - Community Based Organizations
  - Public Safety and Emergency Services



Policy Framework & Strategy (Chapter 2)



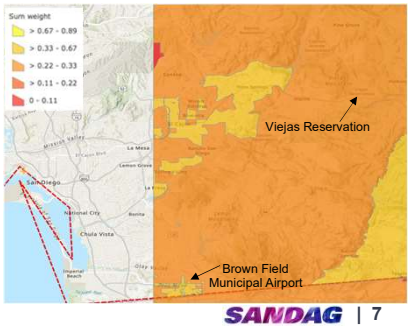
Case Study and Analysis (Chapter 3)

Explores implementation in different types of communities

- Methodology for evaluating potential AAM sites and use cases
  - Quantitative data
  - Inputs from stakeholders
  - Site-specific conditions
- Replicable and adaptable for any jurisdiction or geography in the region
- Different site types support different use cases

Cargo Delivery Use Case

- ***Brown Field Airport*** | Existing warehouses and infrastructure
- ***Viejas Reservation*** | Connectivity to tribal and rural regions
- ***National City*** | Port and rail network enabling multi-modal connectivity



AAM: Physical Infrastructure (Chapter 4)

Vertiports, Vertistops, and Vertihubs are infrastructure concepts designed to accommodate vertical take-off and landing (VTOL) vehicles.

A "Vertihub" would accommodate aircraft as a middle-mile component connecting to last-mile services on the ground.

Chapter 4 of the Implementation Toolkit includes **use cases** and **design standards** for AAM **infrastructure.**

Implementation Considerations (Chapter 5)

- Long-term vision for San Diego AAM integration
- Government, Industry, Academic, and Community Stakeholders
- Regulatory Needs, operational risks, and mitigation
- Market Growth and Economic Impacts
- Phased Implementation Roadmap

Potential Use Case

Remote and rural areas, including Tribal Nations, face **accessibility challenges**, **longer travel times**, and in some cases, **supply chain gaps**.

AAM and UAS offer an **opportunity to address some of these gaps**, from expanded access to healthcare to goods movement.

Questions?

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