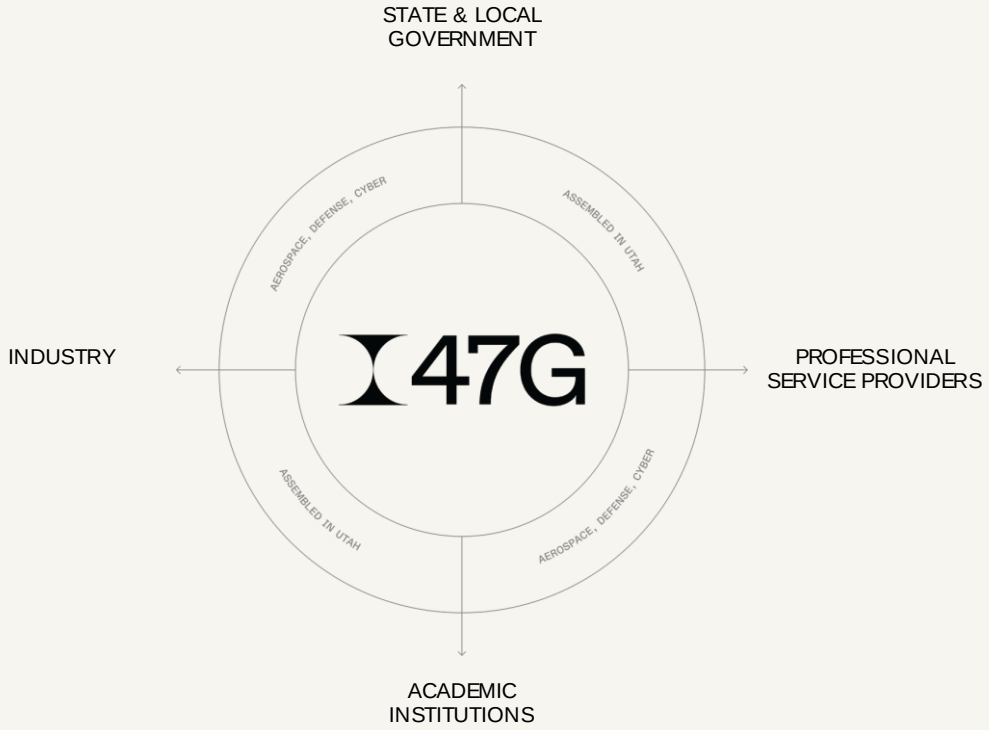

47G
Project Alta
AIR LOGISTICS & TRANSPORTATION
HEXCEL
UDOT
Keeping Utah Moving
STATE
47G
UTAH AEROSPACE & DEFENSE
UIPA
UTAH INLAND PORT AUTHORITY
Governor's Office of Economic Opportunity
Mortenson
construction
CVE
CACHE VALLEY ELECTRIC

About 47G

At 47G we're building the world's premier ecosystem for aerospace, defense, and cyber companies.

This deliberate process involves four key stakeholder areas as displayed on the right side of this graphic.

47G currently collaborates with 100+ companies in the aerospace and defense industry, and is making strides to leverage Utah's unique production capabilities to strengthen America's defense industrial base.



aerospace 47G-336400 DEFENSE 47G-928110 CYBER 47G-541519

Utah's Air Mobility Coalition

47G has been asked to lead Advanced Air Mobility (AAM) efforts across the state in partnership with Utah's leading organizations in transportation and infrastructure:

- HEXCEL
- GOVERNOR'S OFFICE OF ECONOMIC OPPORTUNITY
- UTAH INLAND PORT AUTHORITY
- UTAH DEPARTMENT OF TRANSPORTATION
- MORTENSON CONSTRUCTION
- SALT LAKE CITY
- UTAH STATE UNIVERSITY
- CACHE VALLEY ELECTRIC

The consortium is tasked with determining which segments of the economy can be bolstered by new aircraft technology, and understanding what infrastructure will be required ahead of the 2034 Winter Olympics.

Advanced Air Mobility

Advanced Air Mobility (AAM) is a new transportation system that moves people and goods by air between two points using aircraft with advanced technologies, including electric, hybrid, or other propulsion systems. Many of these new aircraft platforms are classified as electric vertical takeoff and landing (eVTOL) aircraft.

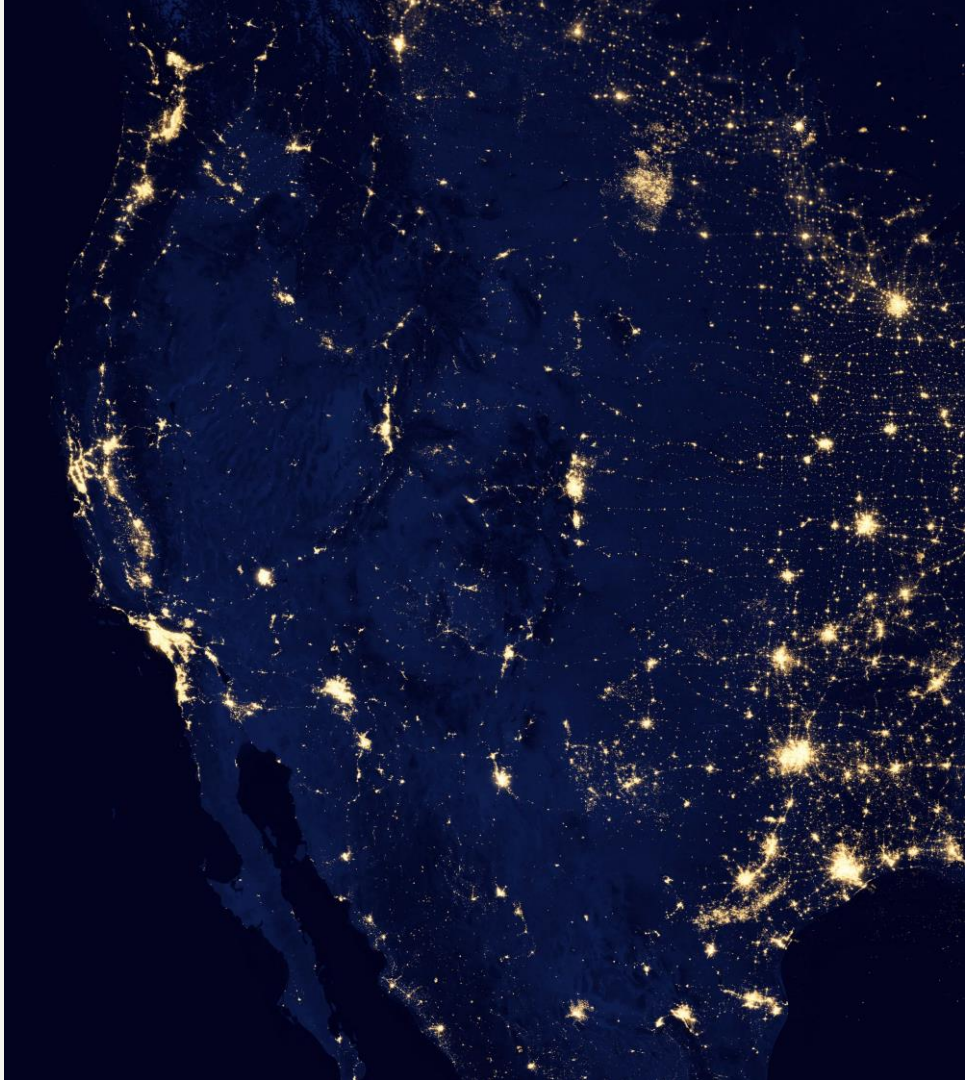
It is expected that in 2024, some AAM aircraft will be authorized for piloted operations and will transport passengers and/or cargo within the limits of the aircraft and certification regulations.

Utah's quest to lead the nation

Operationalizing AAM in the national air space will require collaboration with, and commitments by, many stakeholders to ensure safe, efficient, and equitable operations.

47G's Project Alta team will work closely with the following partners:

- ☐ FEDERAL AVIATION ADMINISTRATION (FAA)
- ☐ OTHER GOVERNMENT AGENCIES
- ☐ COMMUNITIES AND THE PUBLIC
- ☐ UTAH DEPARTMENT OF TRANSPORTATION (UDOT)
- ☐ UTAH INLAND PORT AUTHORITY (UIPA)
- ☐ GOVERNOR'S OFFICE OF ECONOMIC OPPORTUNITY (GOEO)
- ☐ AAM OPERATORS & MANUFACTURERS
- ☐ INFRASTRUCTURE PROVIDERS



AAM infrastructure

A robust AAM ecosystem will require a coordinated investment in infrastructure. Project Alta will develop strategic plans for the following components for accessible, efficient, and safe infrastructure:

- ☐ VERTIPORTS IN COMPLIANCE WITH FAA ENGINEERING BRIEF #105
- ☐ SAFE RAPID CHARGING STATIONS FOR AIRCRAFT AND SWAPPABLE BATTERIES
- ☐ GRID INFRASTRUCTURE TO SUPPORT CHARGING
- ☐ ASSOCIATED INFRASTRUCTURE TO SUPPORT MULTIMODAL TRANSPORTATION
- ☐ DIGITAL INFRASTRUCTURE (E.G. UTM)

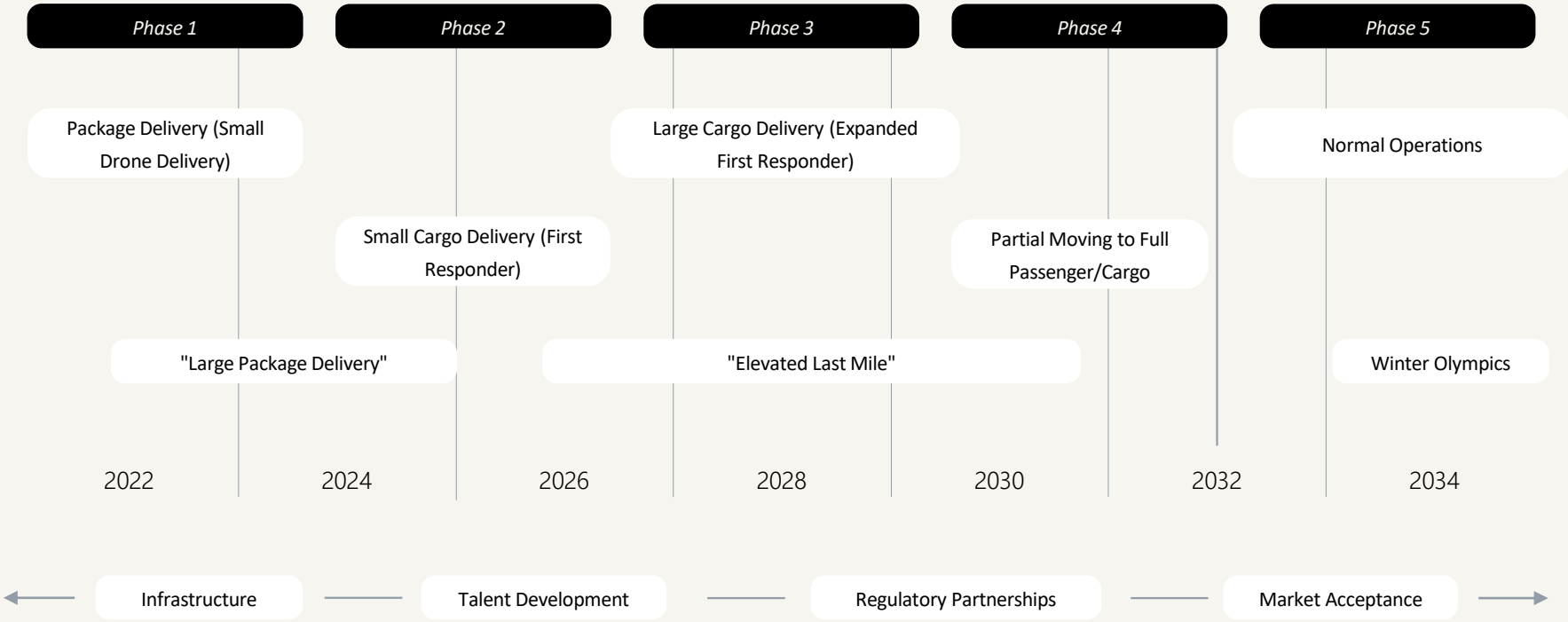
The AAM framework

Utah's efforts will reflect the FAA framework for the emergence of advanced air mobility, consisting of five high-level coordination areas within which key AAM capabilities pertaining to both FAA and industry stakeholders are highlighted:

Aircraft system	Aircraft, equipment, automation, certification
Infrastructure	Facilities, data systems related standards, federated networks, CNS
Operations	Operational density and modes, procedures, pilot knowledge and training
Airspace	Routes, waivers, cooperative areas, charting and publication
ATC Procedures	Standard operating procedures, LOAs, public-private responsibilities

Project plan

Project ALTA Timeline



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