

REGIONAL AEROSPACE PLANNING PROJECT



MEET THE TEAM



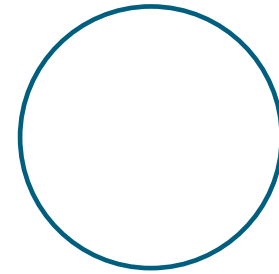
Kelly Criswell

Executive Director
SPAG



Chelsey Baldivia, MPA

Director of Regional Services
and Economic Development
SPAG



Tamer Mahmoud, MPA

Program Coordinator Regional
Services **SPAG**



Jonathan Craig, CM

Principal-in-Charge
Kimley-Horn



Steven Sims

Project Manager
Kimley-Horn



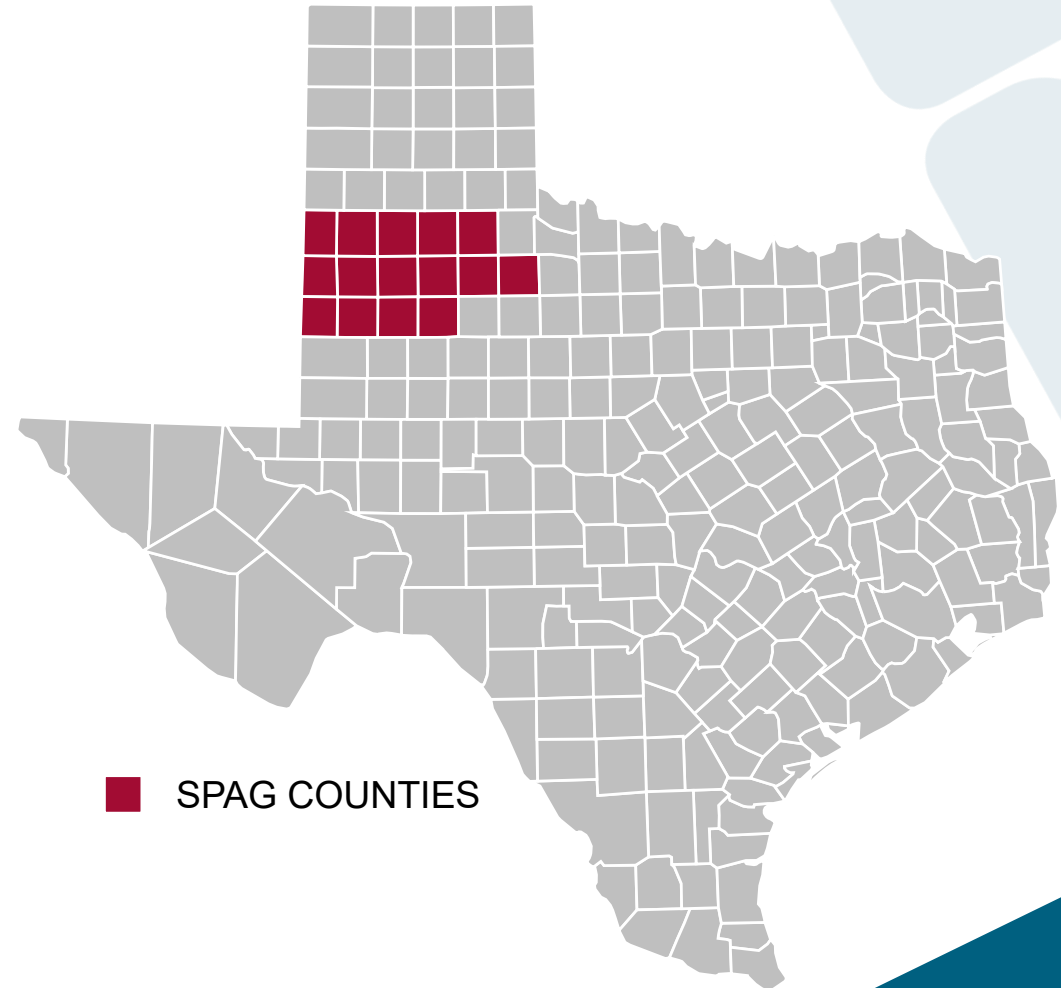
Brandon Hardaway, EIT

Deputy Project Manager
Kimley-Horn

SPAG REGION

15 Counties:

- Bailey
- Cochran
- Crosby
- Dickens
- Floyd
- Garza
- Hale
- Hockley
- King
- Lamb
- Lubbock
- Lynn
- Motley
- Terry
- Yoakum



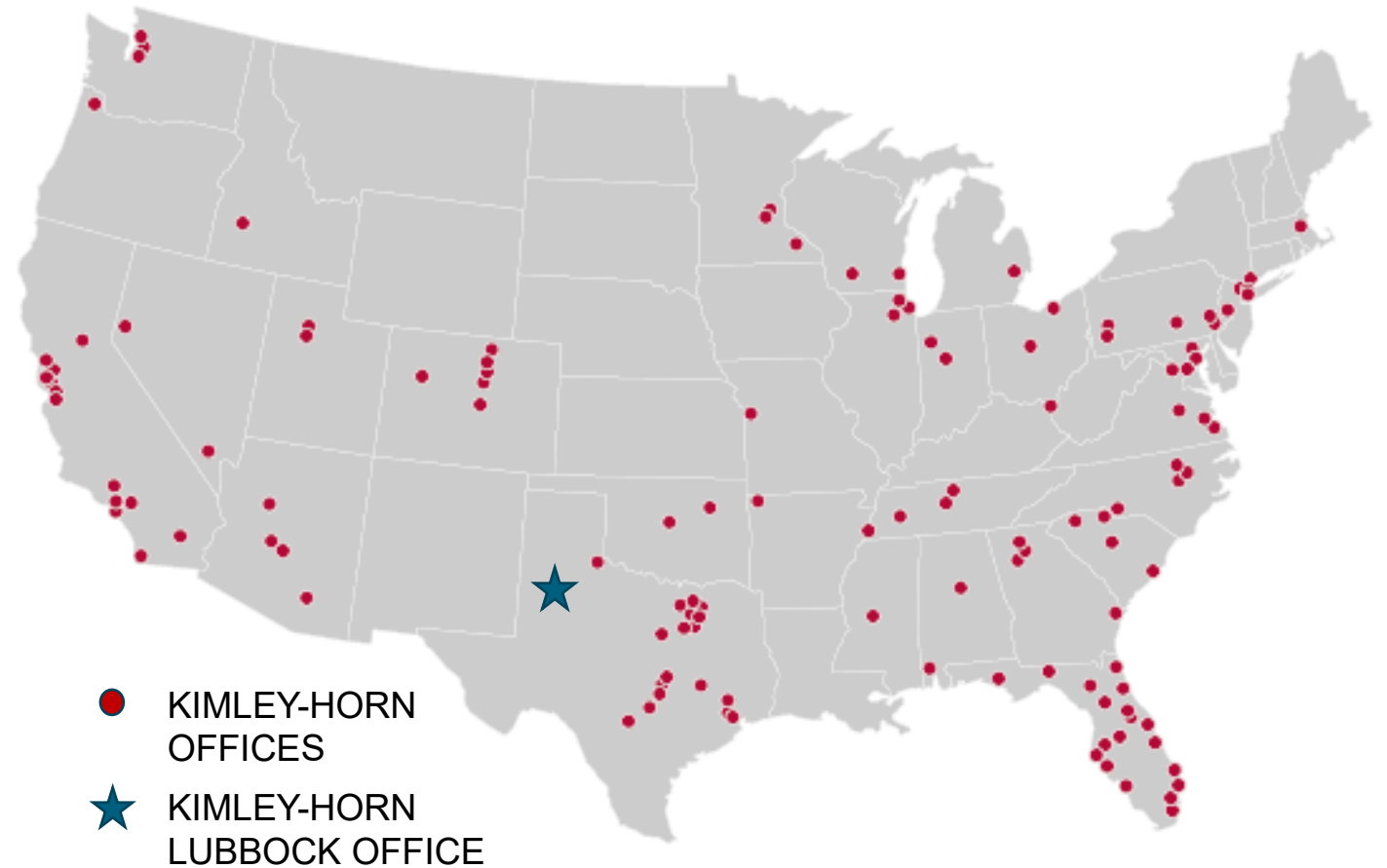
WHO IS KIMLEY-HORN?

We are a consulting firm that offers civil engineering, environmental, planning, landscape architecture services, and funding services.

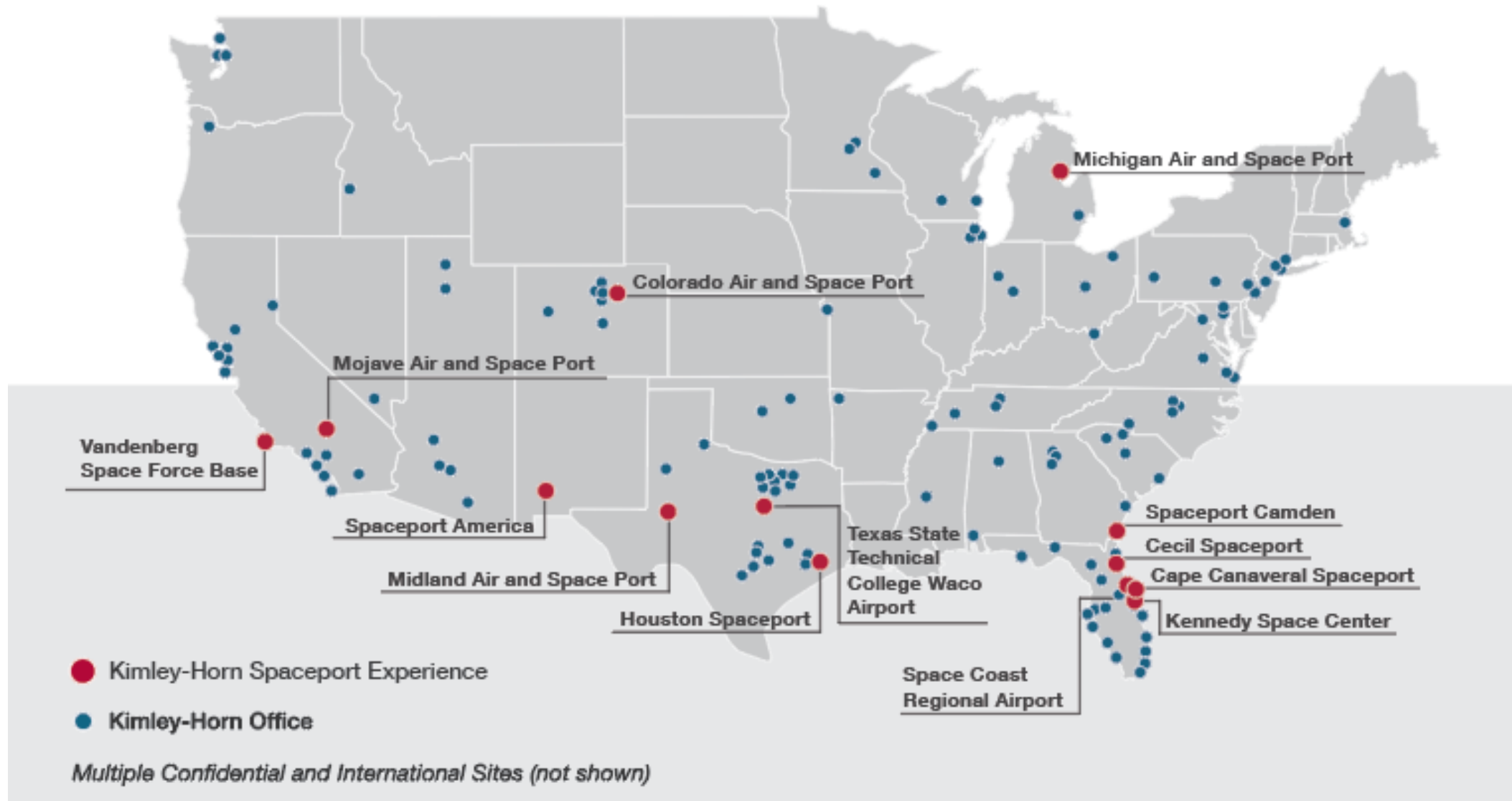
120+
OFFICES
NATIONWIDE

**EXPERIENCED &
LICENSED** IN ALL

**50
STATES**



SPACEPORT PROJECT EXPERIENCE





AGENDA

- Aerospace Planning 101
 - Project Milestones
 - Industry Trends
 - Economic Impact
 - Community Advancement
 - Next Steps
- 



AEROSPACE PLANNING 101

AEROSPACE PLANNING 101

Phases of Aerospace Planning

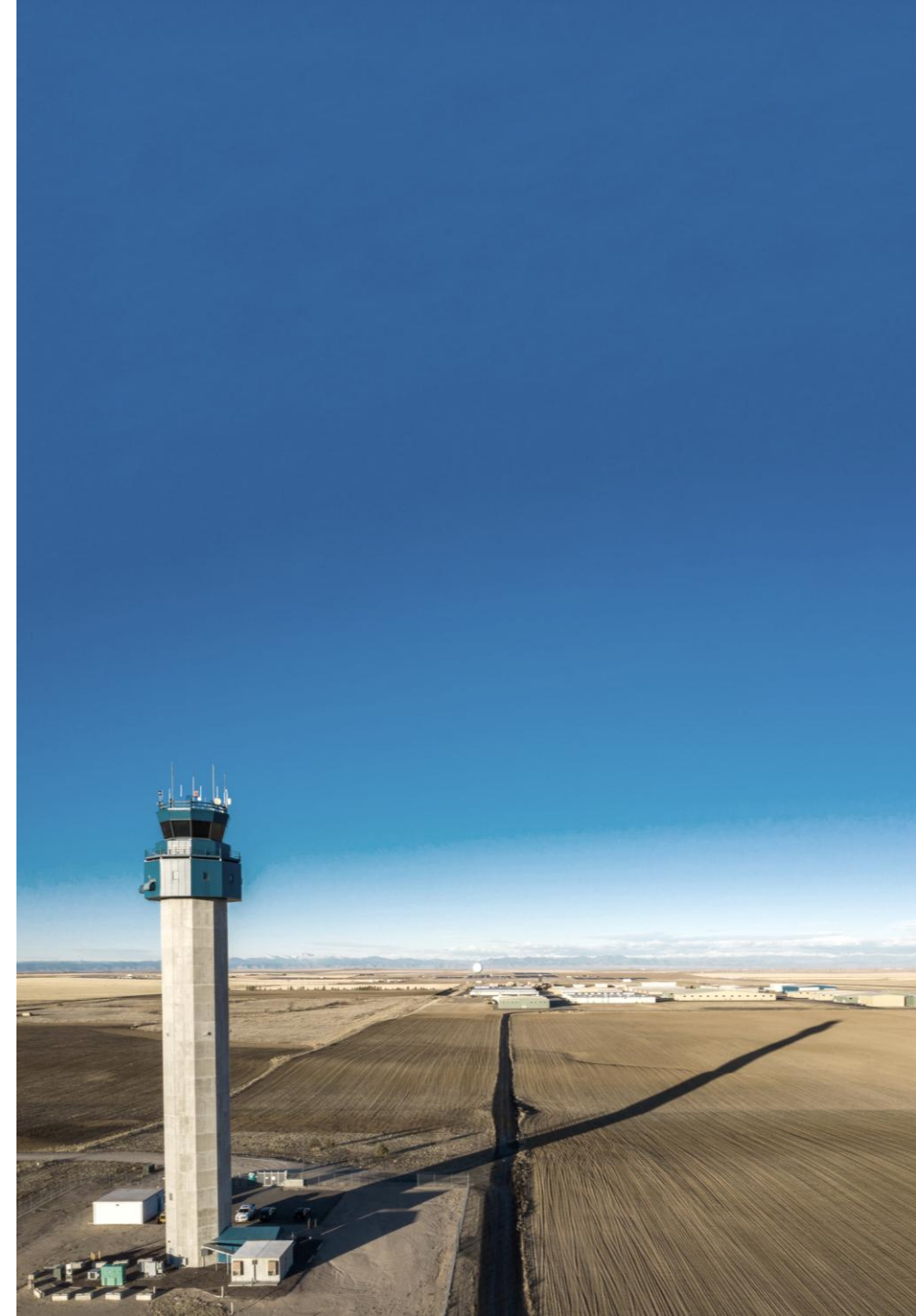
- Concept development
- Site selection
- Economic analysis to guide aerospace initiatives

Launch and Re-entry Operations

- Evaluating options for launch and reentry operations
- Due diligence for compatible operations and locations

Regulatory Framework

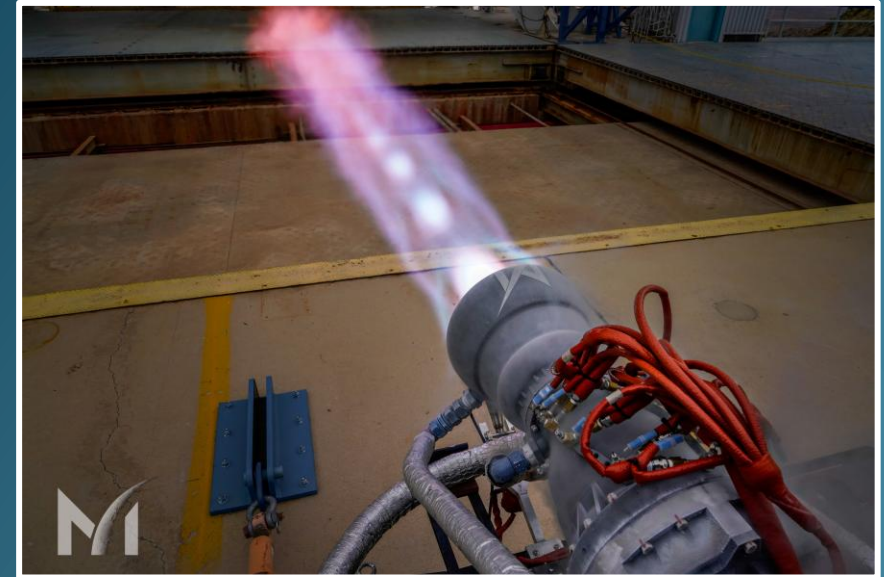
- Compliance with FAA regulations and NEPA environmental assessments



AEROSPACE PLANNING 101

Types of Operations

- Vertical Launch
- Horizontal Takeoff
- Spacecraft and Payload Processing
- Engine Testing
- Re-entry Operations
- Spaceport Operations
- Manufacturing



AEROSPACE PLANNING 101

Drivers for Launch

- Earth-focused space technologies (satellites)
- Space exploration (mining of materials, Mars)
- National security
- Civil human spaceflight
- Space tourism
- Point to point transportation (developmental phase)

AEROSPACE PLANNING 101

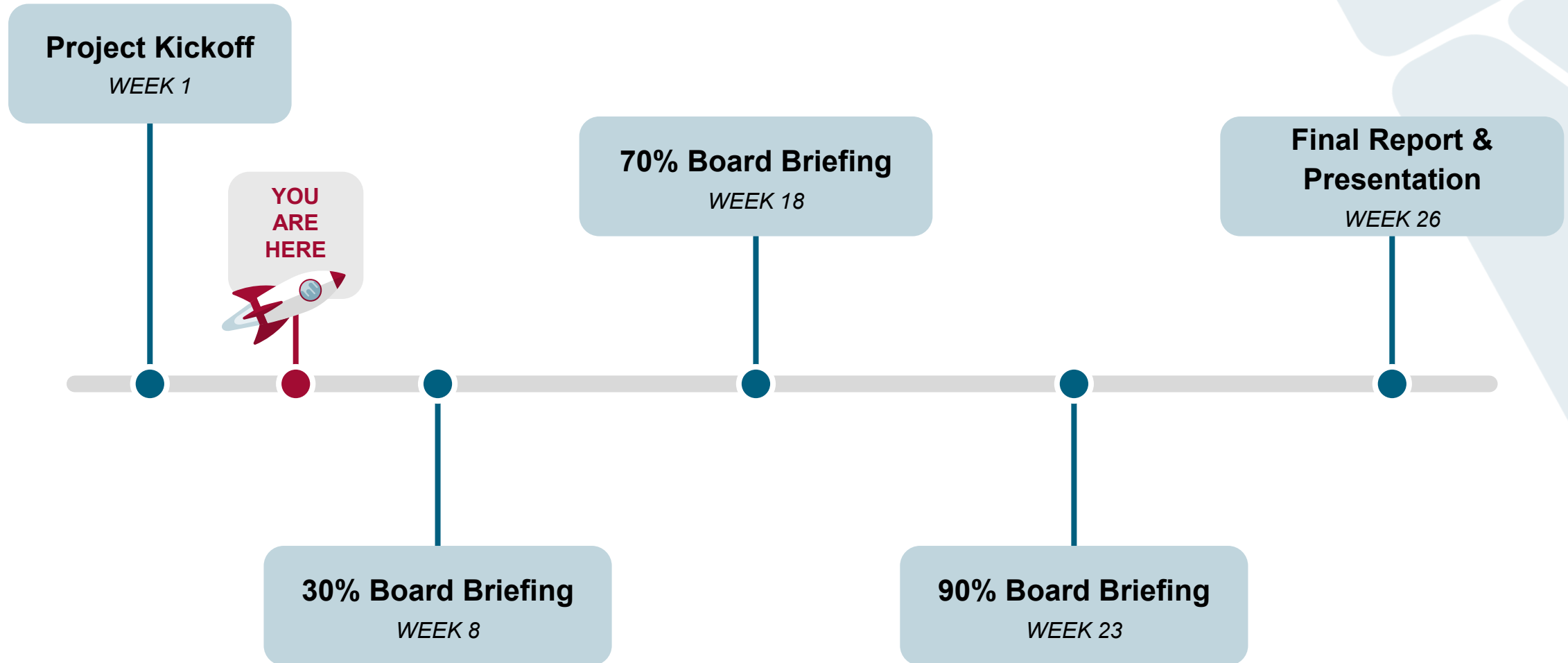
Licensing Required

- Federal Aviation Administration (FAA) Office of Commercial Space Transportation Licensing
 - U.S. commercial space launch and reentry activity
 - Operation of commercial launch and reentry sites
- Launch Site Operator Licenses
 - Vertical / Horizontal
- Launch Vehicle Operator License
 - Vertical / Horizontal / Non-traditional

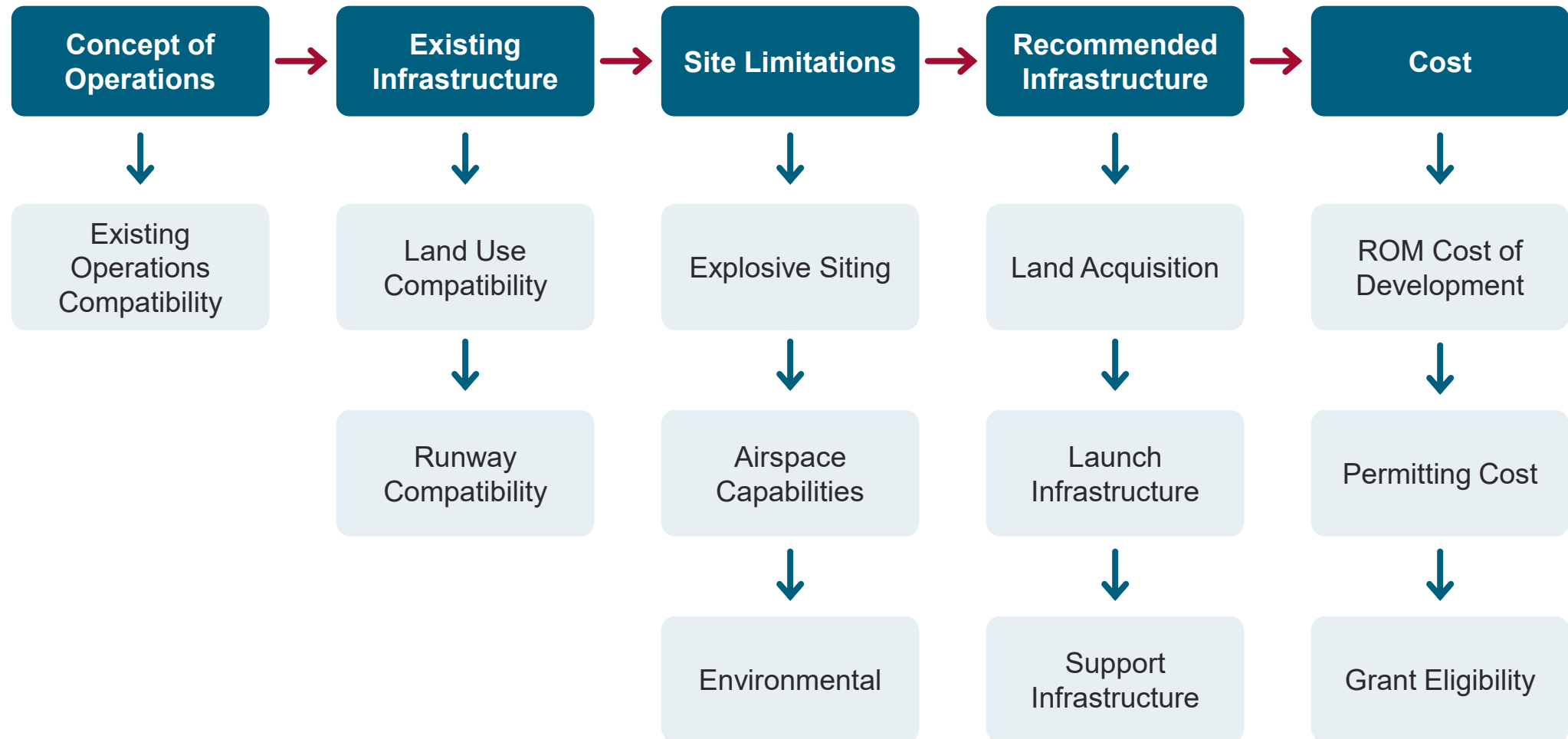


PROJECT MILESTONES

PROJECT MILESTONES



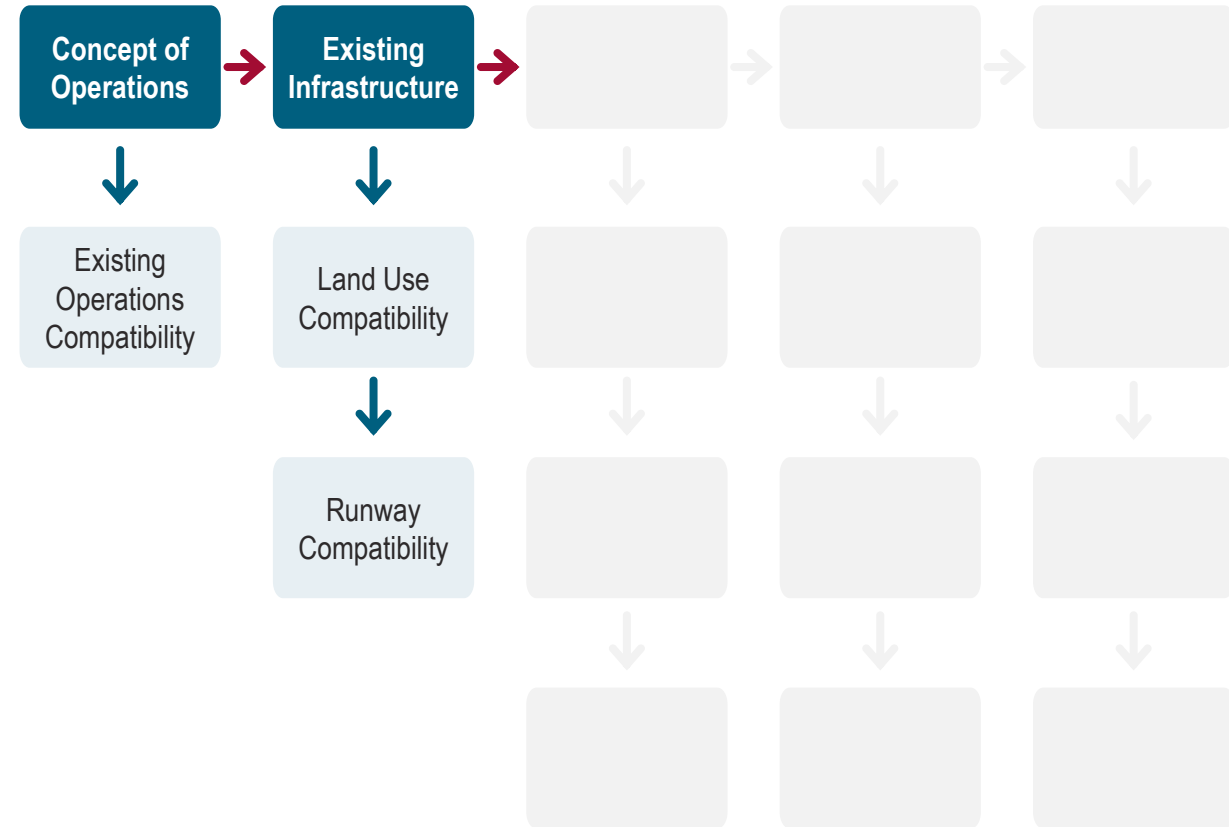
SPACEPORT FEASIBILITY PROCESS



PROJECT MILESTONES

30% Completion ~ Mid October

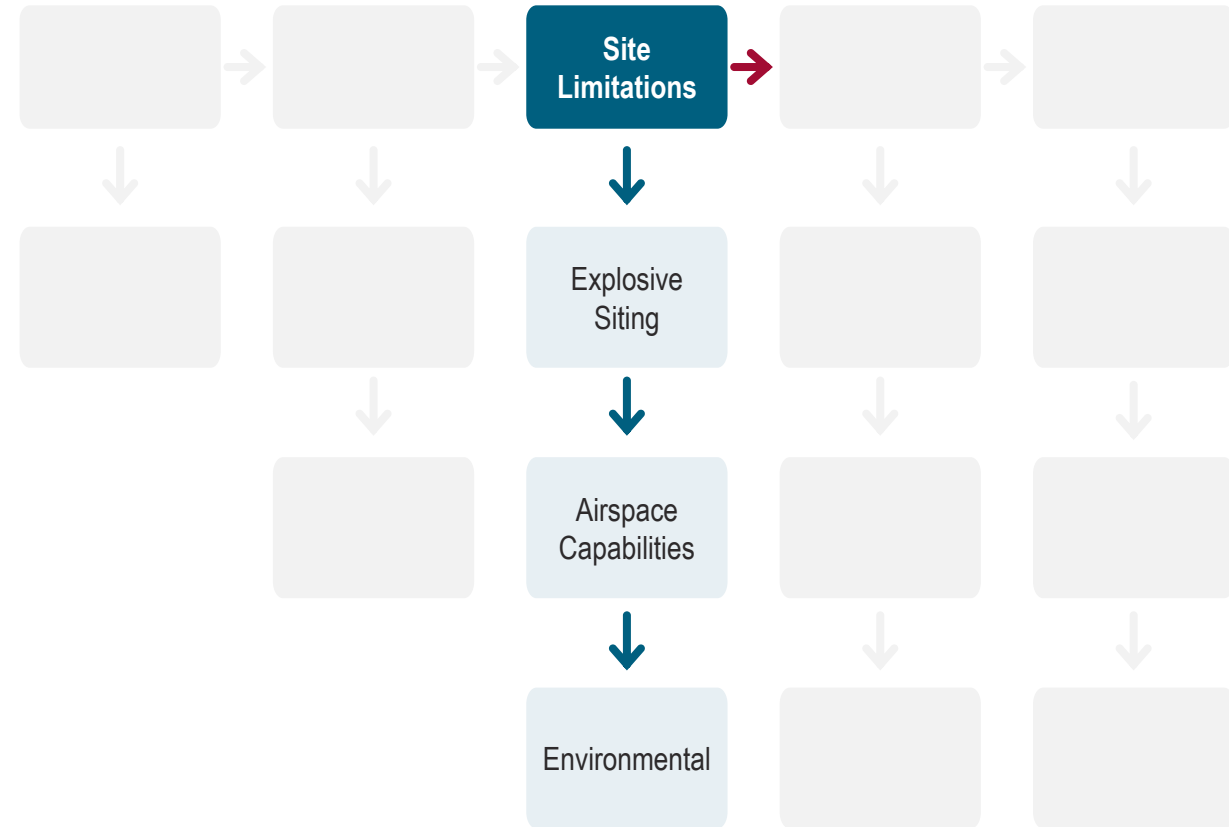
- Baseline Infrastructure
- Initial Site Selection Criteria
- Potential Site Locations
- Site Selection Criteria
 - Phase 1



PROJECT MILESTONES

70% Completion ~ Mid December

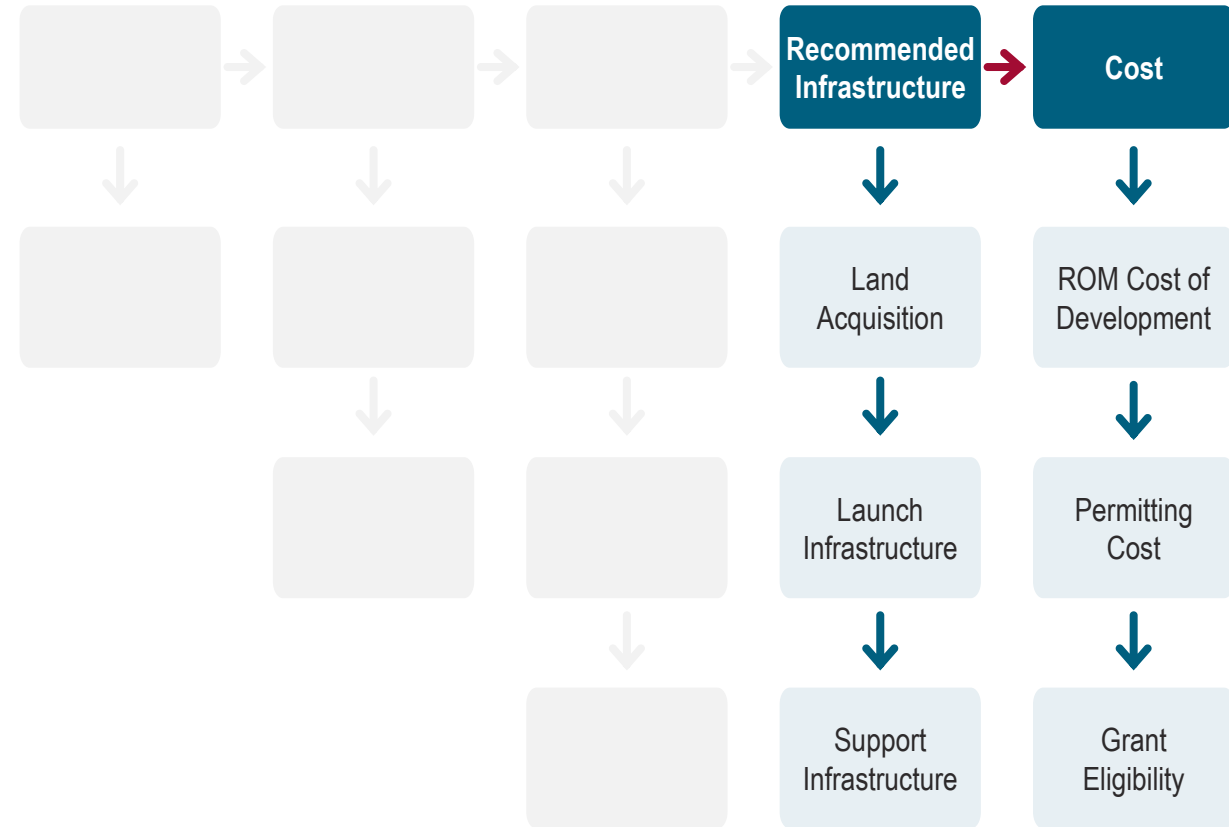
- Additional site selection criteria
- Reviewing Site Potentials
- Site Selection Criteria
 - Phase 2



PROJECT MILESTONES

90% Completion ~ End of January

- Final Site Selection Criteria
- Final Site Selection Recommendations





INDUSTRY TRENDS

INDUSTRY TRENDS



Growth of Aerospace Industry

- Advancements in technology and commercial space demand



Development of Spaceports

- New spaceports across the US support diverse launch vehicles and reentry operations with robust infrastructure



Emerging Space Technologies

- Reusable launch systems
- Small satellites
- Autonomous flight control
- Medical advancement
- Energy advancement

INDUSTRY TRENDS

Long-Term Outlook

- Space Foundation and PwC project global space economy of \$2 trillion by 2040
- Increased launch cadence and demand outpacing available infrastructure
- Spaceports as drivers of local economy (ie advanced manufacturing, payload processing, research/innovation hubs)

Fluid Legislative Environment

- One Big Beautiful Bill Act
- Tax exemption for spaceport facility bonds
- Broad definition for spaceports
- Executive Order to streamline approvals (“Enabling Competition in the Commercial Space Industry”)





ECONOMIC IMPACT

ECONOMIC IMPACT

Houston Spaceport / Ellington Airport

8,500+

Jobs

\$2 BILLION+

Annual Economic Impact

Cecil Airport and Spaceport / Otto Aerospace, Jacksonville, FL

1,200 JOBS

for Phantom 3500
manufacturing hub

\$34.9 MILLION

Incentive Package

\$20 MILLION

Revenue enhancement
grant

\$430 MILLION

in Corporate Income Tax Credits
(CITC) and High Impact
Performance Incentive (HIPI) grants

Ryan Wood, Hines' Managing Director, emphasized the timing and strategic importance of this development.

“As the aerospace industry rapidly commercializes and privatizes, with projections of over \$1 trillion in annual sales by 2040, creating a top-tier logistics hub for aerospace companies is essential,”

ECONOMIC IMPACT

Space Coast Innovation Park / Exploration Spaceport, Titusville, FL

450 ACRES, 3 MILLION SQ FT

of industrial development with direct access to NASA
Causeway Bridge and KSC

Colorado Air and Space Port, Adams County, CO

\$213 MILLION

in total business
revenues in 2023

1,000+

Jobs

\$130.4 MILLION

in value contributed to the state's economy



COMMUNITY ADVANCEMENT

SOUTH PLAINS COMMUNITY ADVANCEMENT

Stakeholder Engagement

Public meetings and gathering community input

Collaborative Planning

Partnerships with local governments, FAA, and stakeholders

Branding and Communication

Branding creates public messaging/graphics that conveys the project vision

Education and Workforce Development

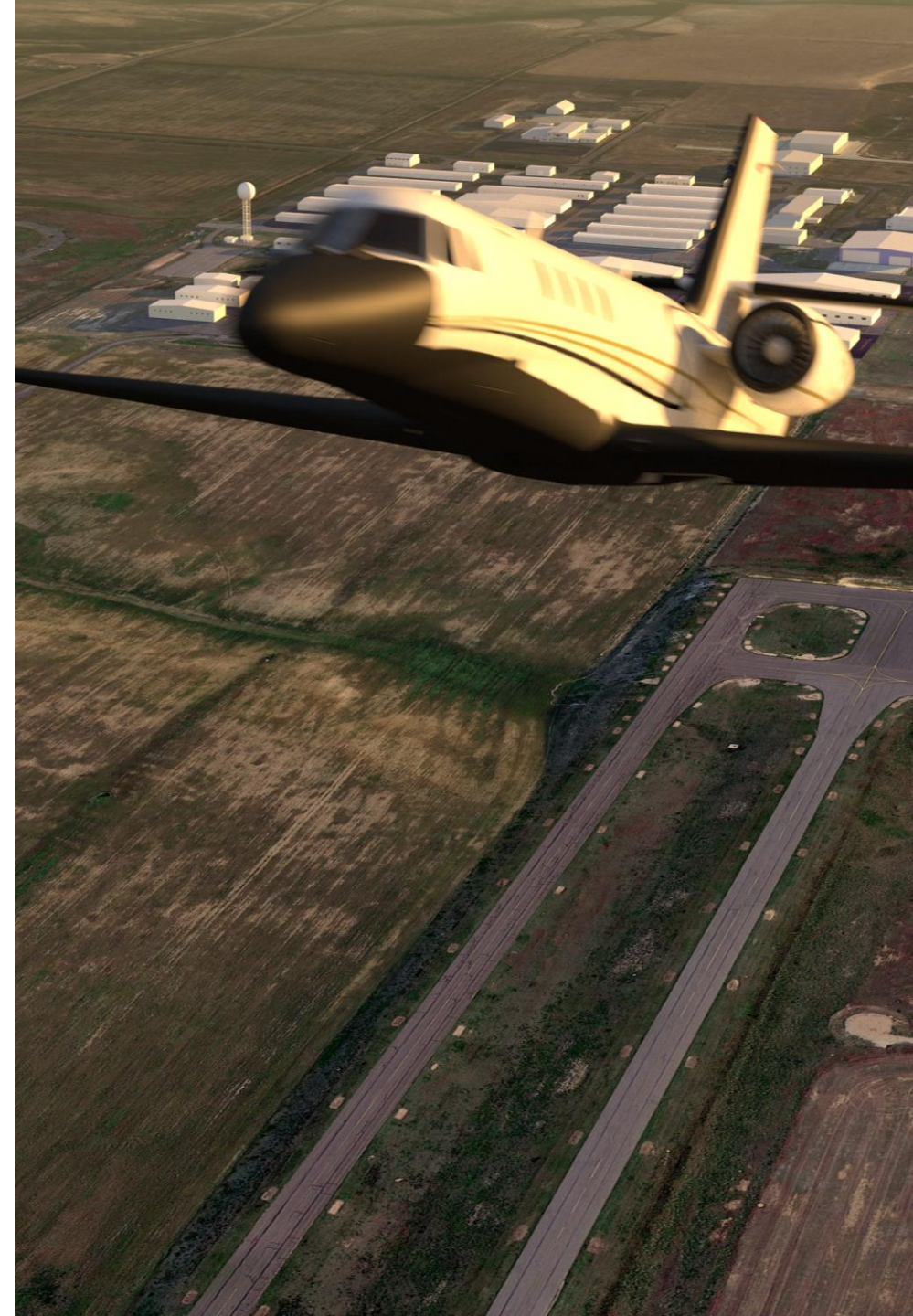
Explore opportunities to grow local talent and foster innovation in aerospace sector.



NEXT STEPS

NEXT STEPS

- ☒ Project Kickoff
- ☐ Complete the Planning Study
- ☐ Stakeholder Engagement
- ☐ Apply for Additional Grant Funding
- ☐ Begin NEPA Procedure
- ☐ Further Coordination with FAA and Permitting Procedure



Chelsey Baldivia

Director of Regional Services and
Economic Development

cbaldivia@spag.org

806.762.8721



SPAG

Steven Sims

Project Manager

steven.sims@kimley-horn.com

806.686.1084

Kimley»Horn

Expect More. Experience Better.

Questions?