

SPACEPORT AMERICA



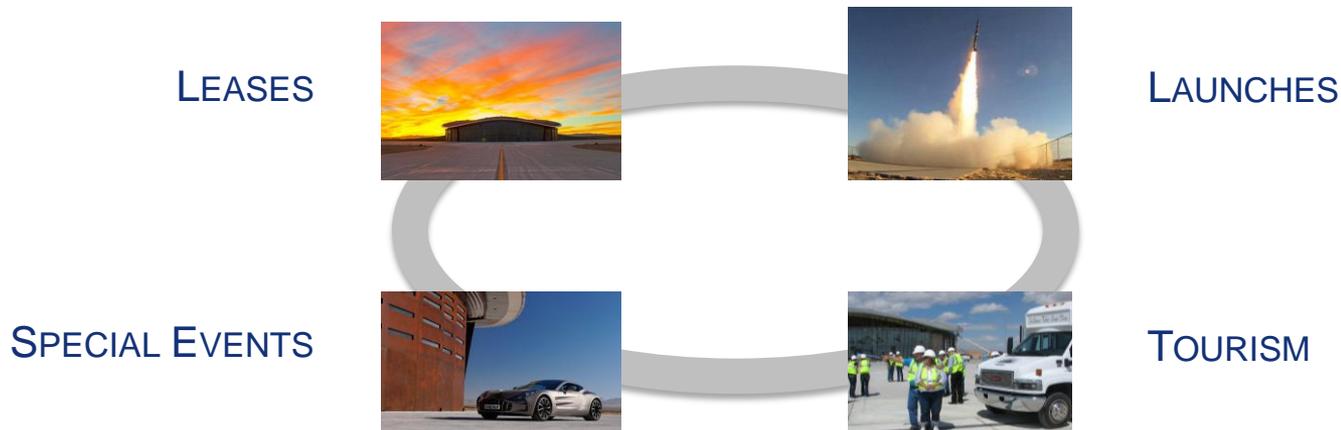
where we offer the world an invitation to space



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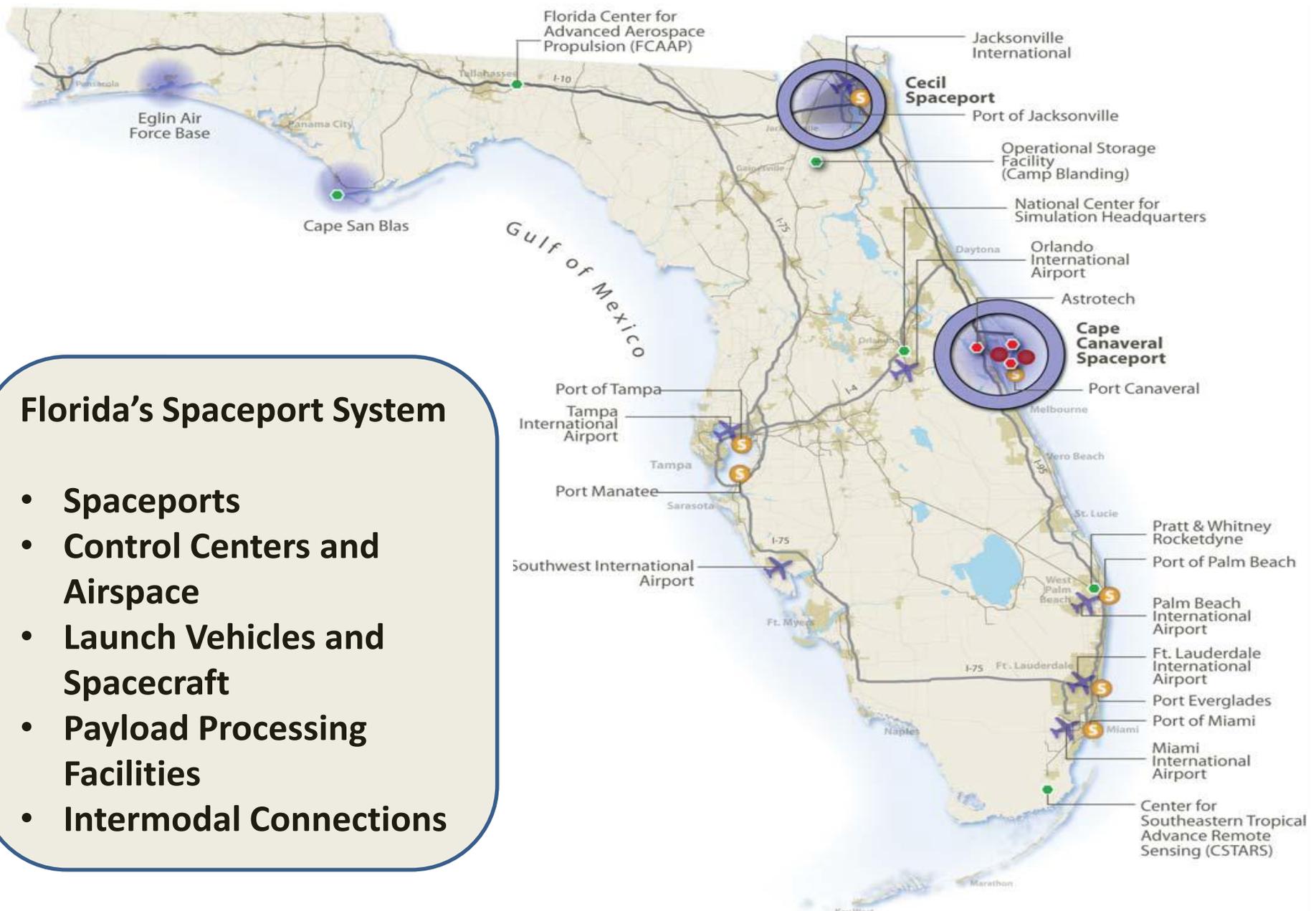
CAN A COMMERCIAL SPACEPORT BE SUCCESSFUL WITHOUT TAXPAYER SUBSIDY?

- INITIAL INVESTMENT: \$209M STATE FUNDS
- THEREAFTER: MUST BE SELF-SUSTAINING WITH NO SUBSIDIES



Space Florida – Spaceport Authority and Independent Special District

- ## Florida's Spaceport System
- Spaceports
 - Control Centers and Airspace
 - Launch Vehicles and Spacecraft
 - Payload Processing Facilities
 - Intermodal Connections



Space Florida – Spaceport Authority Issues of the Day

- Uncertainty in Regulation/Administration of Emerging Horizontal Spacecraft and Unmanned Aerial Systems
 - Initial Horizontal Platforms ... considered experimental
 - Clarification of Regulation vs. Standards approach
- Government's Role in Fostering Commercial Space
 - Commercially-operated spaceport initiatives
 - Disposition of Underutilized/Excess Taxpayer-paid National Assets for emerging Commercial Space
 - Shiloh Rationale and Issues



- Alaska Aerospace Corporation (AAC) was created in 1991 as a public corporation of the state
- AAC operates as an independent corporation under a nine person board of directors, appointed by the Governor
- AAC's mission is to develop aerospace related economic growth within the State of Alaska
- AAC has facilities in Kodiak, Anchorage, and Cordova supporting launch activities at the Kodiak Launch Complex (KLC)
- KLC is the only FAA licensed, Non-Federally controlled range on the west coast
- KLC is nation's highest latitude full service range and spaceport, at 57.4° North Latitude and is the only facility that can launch directly into the highly elliptical orbit (63.4°) missions without land over-flight or the requirement to make a course adjustment
- ***Focused on providing responsive, efficient launch capability for polar, sun synch, and high inclination orbits from a state-of-the-industry, all weather / all season launch complex, KLC has completed 16 successful launches, to date***

State Spaceports and the National Space Program

- **The use of State Spaceports meets the intent of the National Space Policy :**
“Purchasing and using commercial space capabilities and services to the maximum practical extent when such capabilities and services are available in the marketplace and meet the United States Government requirement.”
- **The use of State Spaceports meets the objectives of the U.S. Space Transportation Policy:**
“Encourage private sector and state and local government infrastructure and participation in the development and improvement of space infrastructure, including non-Federal launch and reentry sites.”
- However, the ***U.S. Space Transportation Policy*** should be modified to specifically include state sponsored facilities, infrastructure, and workforce in meeting ongoing and projected United States Government national security and civil requirements; and not be limited to only federal facilities.
- Existing policy wording should be changed from: “Provide stable and predictable access to the Federal space launch bases and ranges.”
- New wording should read: ***“Provide stable and predictable access for the national space program using the most cost effective Federal, State and Local Government, and commercial space launch and reentry facilities, ranges, and aerospace infrastructure which cost-effectively meets program objectives.”***



Virginia Commercial Space Flight Authority

- ***VCSFA was created in 1995, with a mission of promoting commercial space activity, economic development and aerospace research within Virginia***
- ***VCSFA owns and operates the Mid-Atlantic Regional Spaceport (MARS), collocated with the NASA Wallops Flight Facility at Wallops Island, VA***
- ***Currently, finishing Antares testing in anticipation of first flight, and have a 14 Launch Manifest, including missions to ISS, to the Moon, and for DoD***





State-Federal Partnerships

- How to enable/enact State-Federal Partnerships for Space Transportation
- *Similar partnerships exist for other Transportation Modes, i.e., Federal Interstate System, Airport System*
- *Forge the same partnerships for Space Transportation that so effectively work for U.S. Road Systems and Air Transportation*
- *Leverage State and Federal investments to better provide cost competitive Space infrastructure and operations for Launch and Spacecraft Providers*
- *Structure the partnerships to enable launch customers a fair degree of autonomy*





Stuart O. Witt, CEO and General Manager

Mojave Offers:

- Community of Like-Minded Professionals
- Compatible Industries Encouraging Job Growth
- Space for 14 Companies in Aviation and Aerospace
- Permission to Challenge, Innovate, Risk

Why is Western Society's
Obsession with
"Absolute Safety"
Driving Space Policy?