

# FLORIDA Space Day

2.3.16



CST-100 Starliner (Boeing)



Dragon (SpaceX)



International Space Station (NASA/Boeing)



Orion (NASA/Lockheed Martin)



Falcon 9 (SpaceX)



RL10 engine  
(Aerojet Rocketdyne)



STEM Education



Space Launch System  
(NASA)



Atlas V  
United Launch Alliance  
(ULA)



- » Commercial Space Operations
- » STEM Education
- » High-tech Jobs
- » Deep Space Exploration

## Expanding the Business of Space





## Examples of Florida-based Technology Spinoffs

**Sports Balance Technology in West Palm Beach**, developed the Dynamic Balance System for sports applications based on research for assessing astronaut's balance after flight.

**Renuell International in Adventura**, produces a healing skin care product, Re'Juvel - the key ingredient is a composition that includes agents grown using NASA's Rotating Wall Vessel Bioreactor.

**Lighting Science in Satellite Beach**, commercialized an LED system designed for the International Space Station, resulting in its DefinityDigital product line of light bulbs.

**Ocean Optics in Dunedin**, reworked NASA's improved spectrometer to operate in cold and rough conditions on earth and also during the stresses of space vehicle liftoff.

**Juntura in Winter Park**, sells a sensor capable of detecting position changes as small as 10 nanometers. The technology was originally developed for examining Orbiter windows.

**HySense in Melbourne**, has fully developed its product known as Intellipigment™ for sensing hydrogen leaks on gas lines and fittings, based on a technology developed by UCF and NASA.

**Millennium's Joint Advanced Range Safety System in Melbourne**, captures their expertise in flight vehicle mission planning. They also build real-time tools for public and flight safety assessment and management.

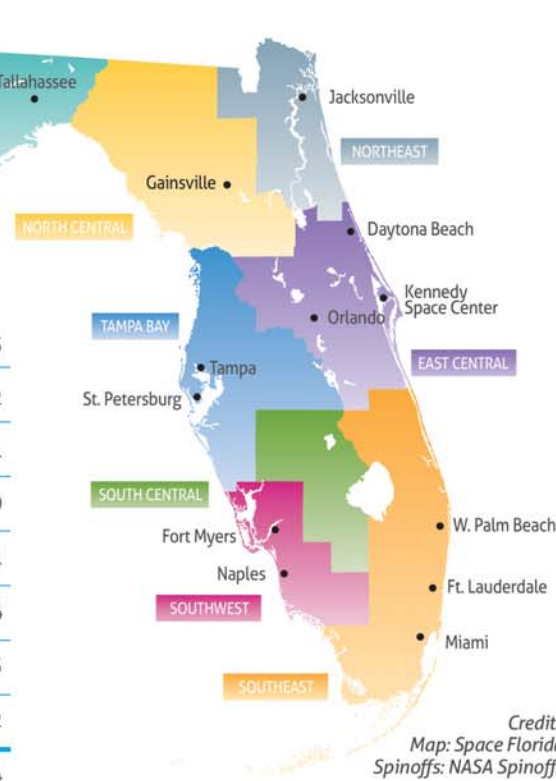
## Economic Analysis of Florida's Aerospace Industry

### Regional Breakdown

	Total # of Aerospace Related Companies * (reported)	Total # of Aerospace Industries Employees (reported)	Total Aerospace Industries Sales
Northwest	1,281	7,995	\$ 907,373,055
North Central	629	3,821	\$ 377,575,022
Tampa Bay	3,495	20,211	\$ 3,023,699,781
South Central	125	1,089	\$ 109,189,589
Southwest	1,164	5,570	\$ 239,419,431
Northeast	1,479	9,459	\$ 1,058,604,526
East Central	2,843	38,747	\$ 4,142,480,263
Southeast	8,831	52,961	\$ 8,139,568,622
<b>Report Totals</b>	<b>19,848</b>	<b>140,125</b>	<b>\$18,399,309,034</b>

Chart source FSU CEFA

\*These numbers include suppliers



Credits  
Map: Space Florida  
Spinoffs: NASA Spinoffs

## Florida is Home to the World's Busiest Spaceport

### Cape Canaveral Planned 2016 Launch Schedule





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## « SPACE DAY PARTNERS »



[www.spaceflorida.gov](http://www.spaceflorida.gov)  
321.730.5301

The Florida Space Day is an organized and united effort to communicate to the Governor, Lt. Governor and Legislators an appreciation of their support to the space industry, educate them on the state wide economic impact of space and to develop and advocate for key initiatives that will enhance the competitiveness and viability of the state of Florida in the space sector.