



GALACTIC

*Steve Isakowitz*

*April 25, 2016*

# Company Overview

SpaceShipTwo



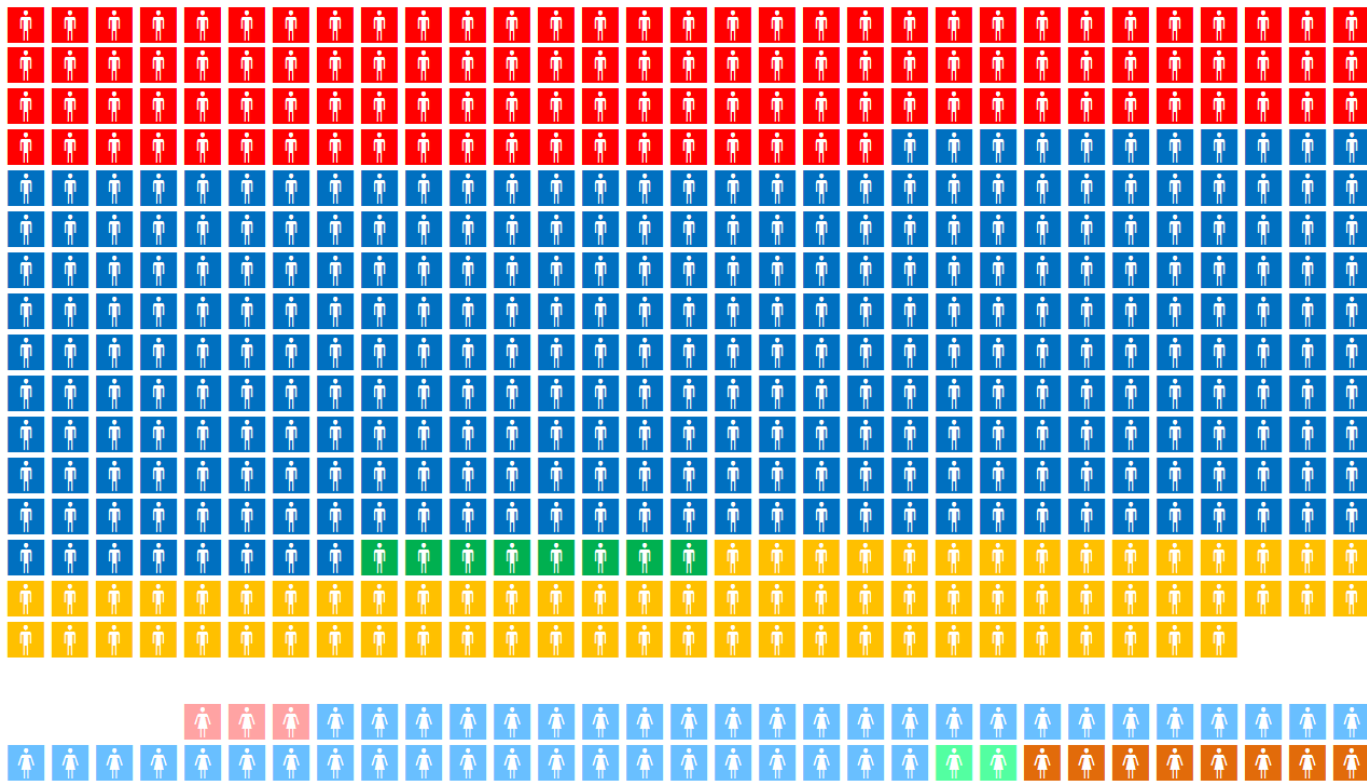
LauncherOne





# Space Experiences

SpaceShipTwo



Only 553 people have ever been to space



Russian Men



Russian Women



American Men



American Women



Chinese Men



Chinese Women



Other Men



Other Women

**View of Our Planet from Space**



**Experience Weightlessness**



**Exhilarating Ride**



**Fulfilling a Dream**





# Future Astronauts



# Suborbital Research Payloads

Suborbital Research Payload Capability	Maximum Pressurized Usable Volume	Microgravity Time	Microgravity Quality (g)	Maximum g-load	Maximum Apogee	Flight Frequency
1300 lbs. (600kg)	500 ft <sup>3</sup> (14 m <sup>3</sup> )	3-4 minutes	10 <sup>-3</sup> to 10 <sup>-5</sup>	~5	110km	Daily



SpaceShipTwo



WhiteKnightTwo



Hybrid Propulsion



Spaceport America





Manufacturing / Mojave



Test Facilities / Mojave



Test Pilots



Design & Production Team



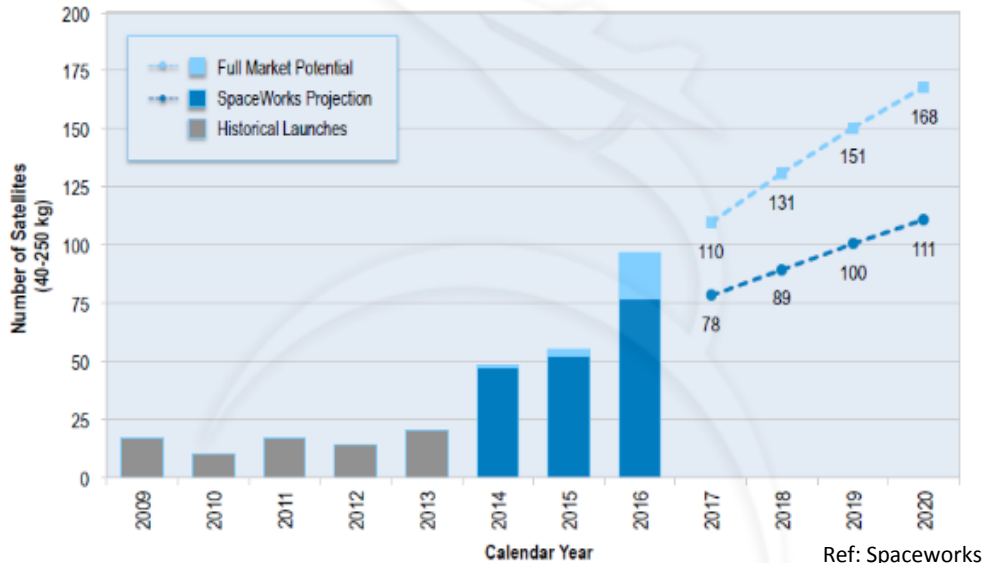
Satellite Launch

# LAUNCHERONE



# Fast Growing Smallsat Market

## Smallsat Market



## On Contract



39 satellites  
With option for 100 more

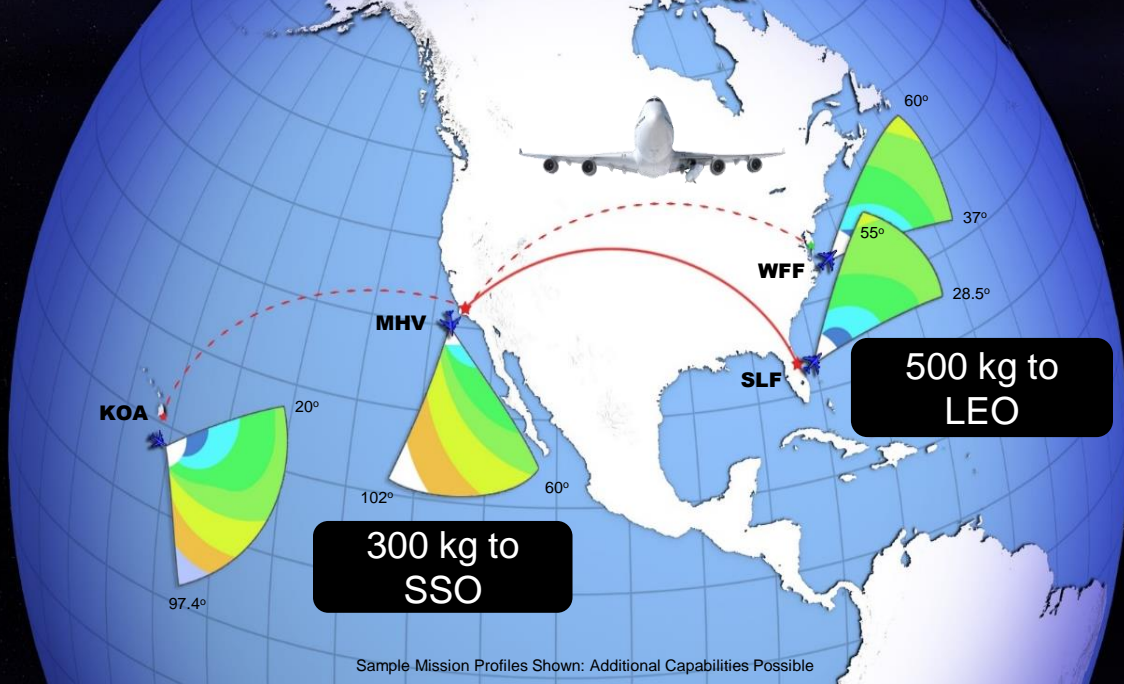
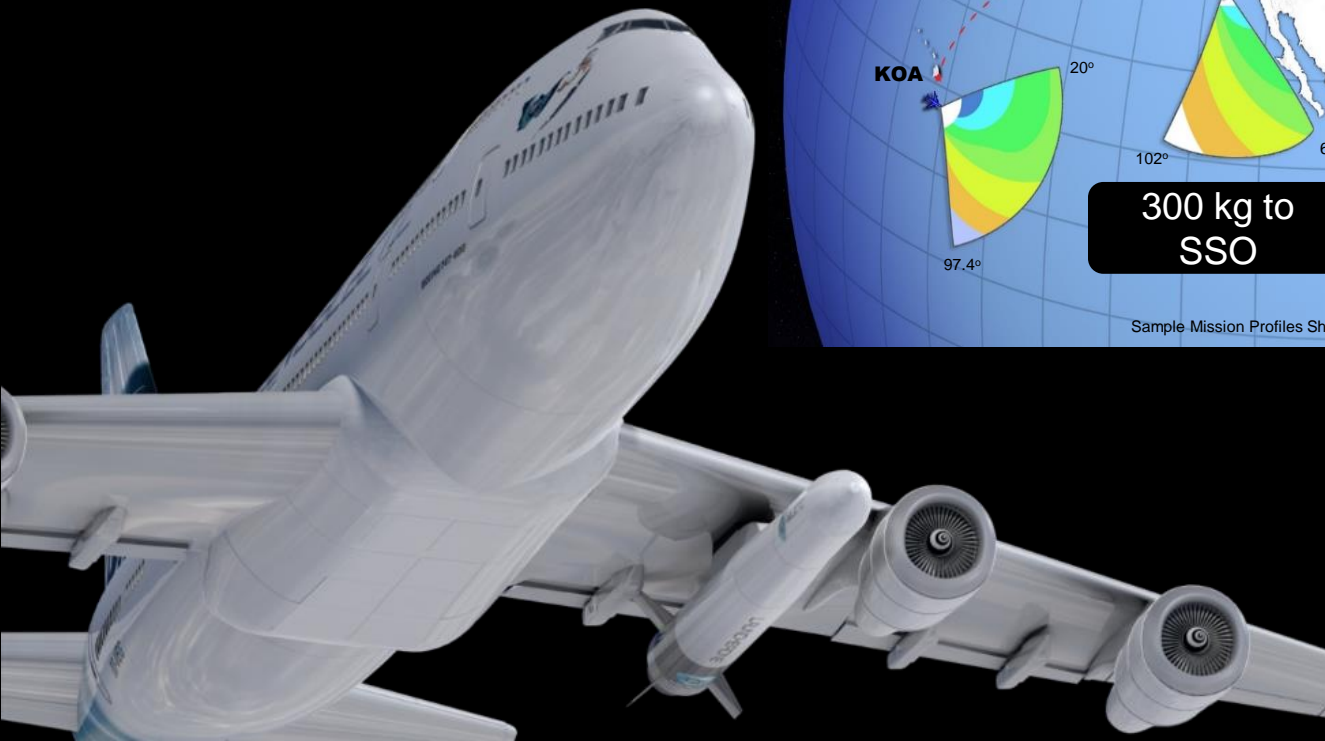


Over 12 satellites  
in science & tech



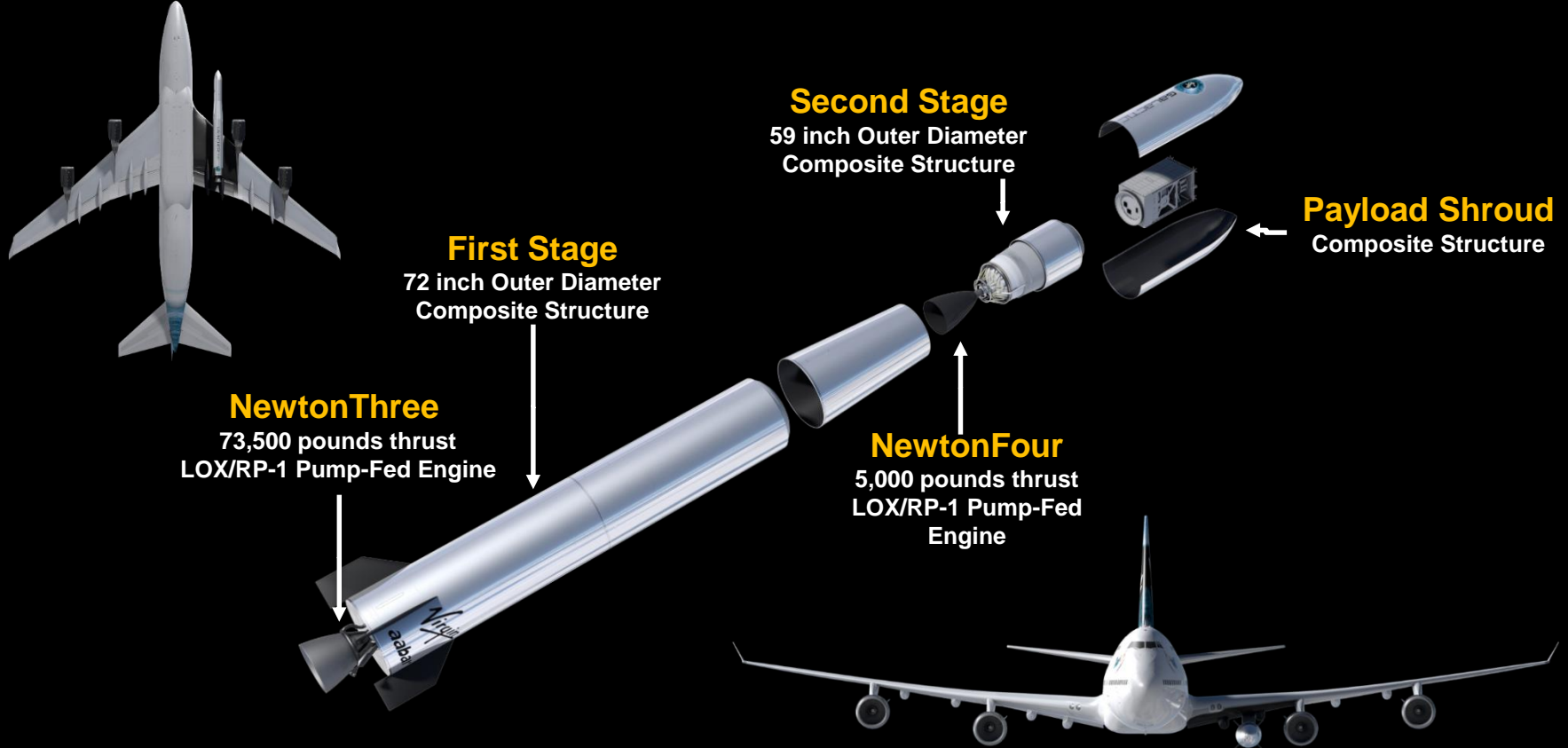
# Air Launch

*Highly Responsive*

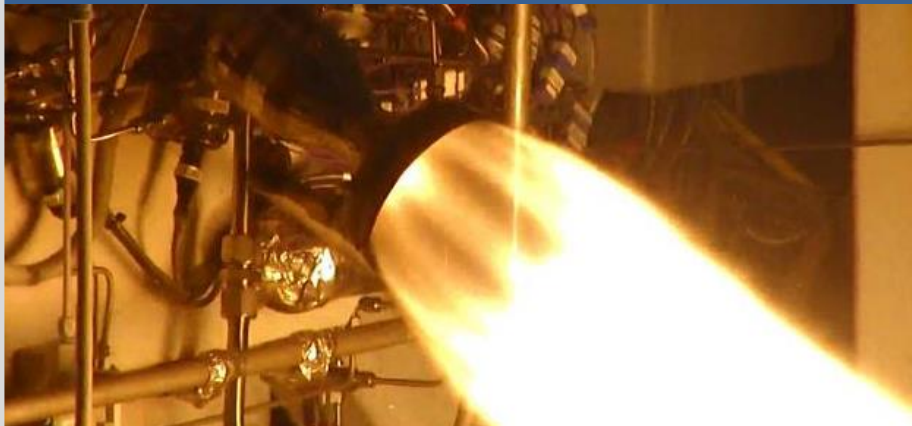




# LauncherOne Configuration



Propulsion



Carrier Aircraft



Structures



Avionics



Long Beach Facility



Mojave Test Site



Advanced Manufacturing



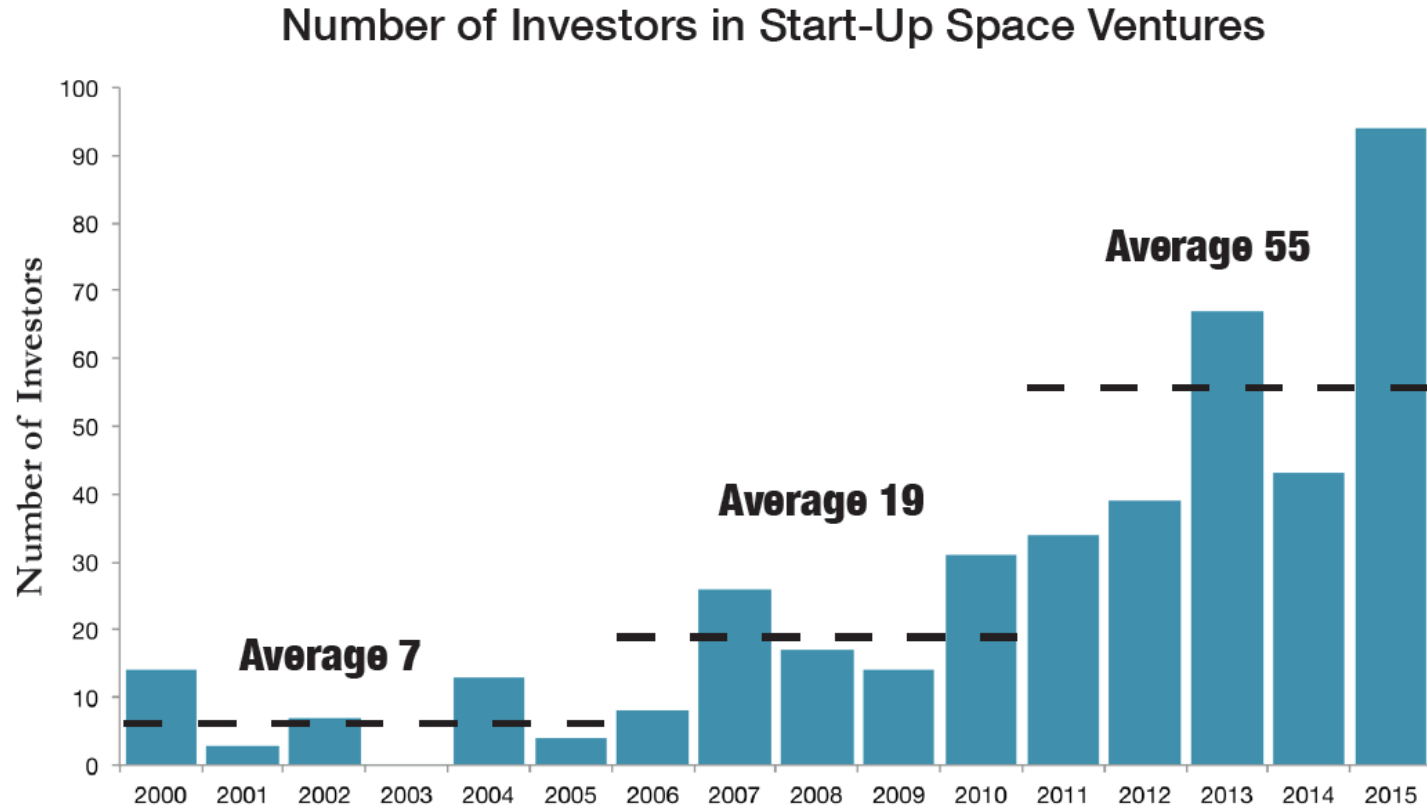
World-Class Team



*Emerging Commercial Space Industry*



# Commercial Space Industry



Source: Tauri Group, "Start-Up Space" Report, 2016

# NASA's Role

Customer	Supplier	Partner
<ul style="list-style-type: none"><li>• NASA Flight Opportunities Program</li><li>• NASA Venture Class Launch Services Program</li></ul>	<ul style="list-style-type: none"><li>• NASA Space Act Agreements</li></ul>	<ul style="list-style-type: none"><li>• NASA Collaborative Opportunities Program</li><li>• LEO Development post-ISS</li></ul>

Commercial companies benefit NASA, and NASA benefits commercial companies.  
The relationship is complementary, not competitive.



*Together, we open space to change the world for good*

