



**HUNTSVILLE
MADISON COUNTY
CHAMBER**

2017–2018 CHAMBER OF THE YEAR

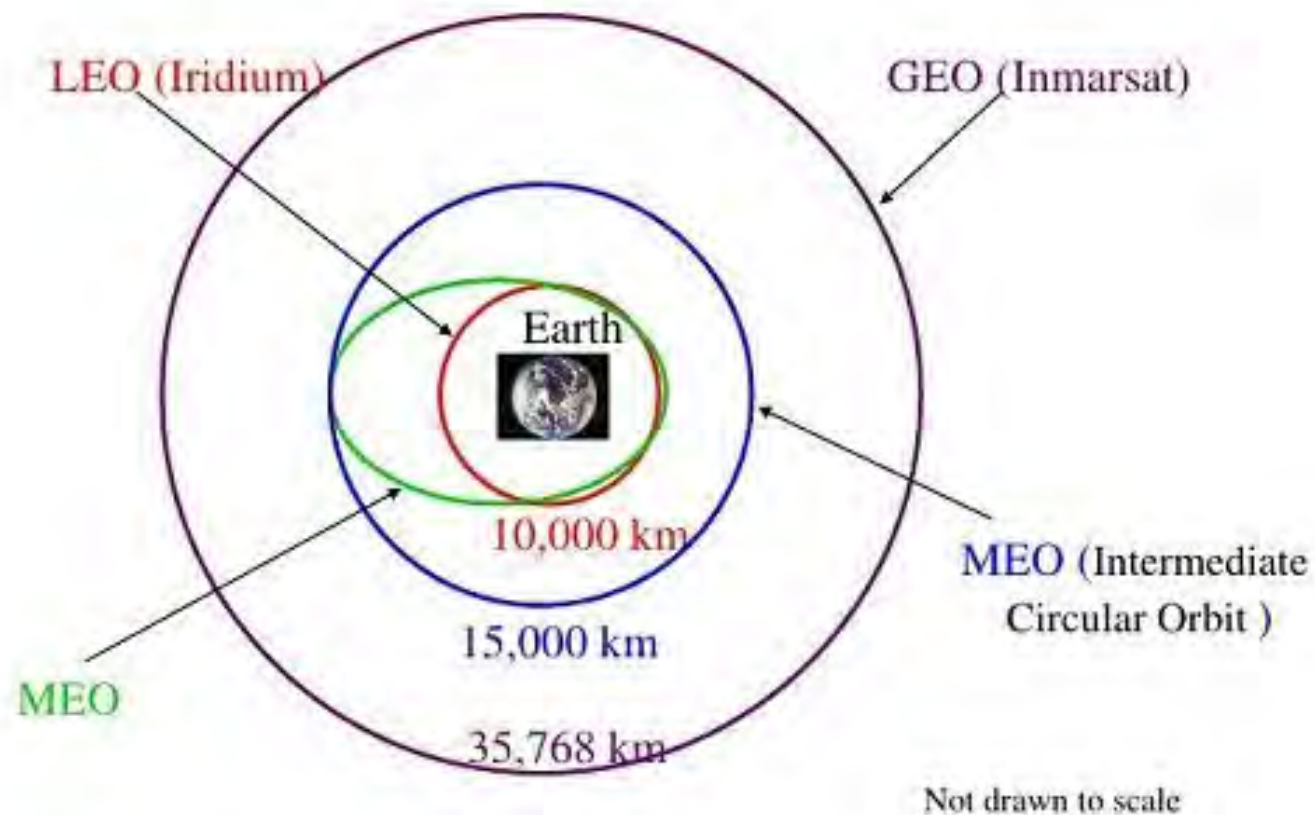


Huntsville's connection to space history is deep and enduring, but what does the future hold for Huntsville?

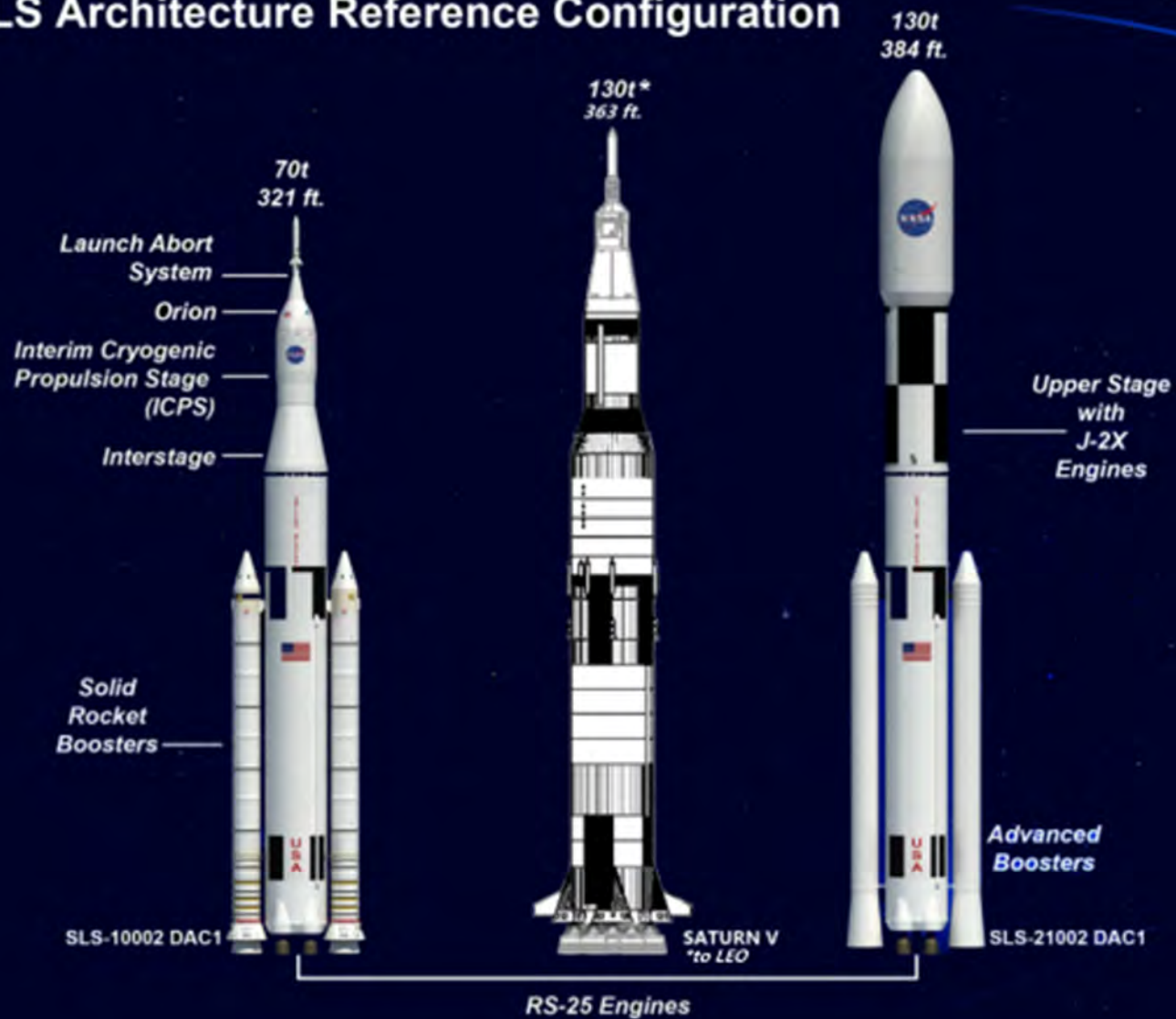




Orbits of Different Satellites



SLS Architecture Reference Configuration



Perks of working for the Chamber





NASA'S SPACE LAUNCH SYSTEM

SLS is the only rocket that can deliver Orion to the moon and beyond

ORION IS NASA'S CREW VEHICLE DESIGNED FOR DEEP SPACE EXPLORATION.

- Orion weighs 27 mt with crew and deep space supplies
- SLS delivers co-manifested cargo (up to 10 mt) on every Orion flight to lunar orbit (crew habitats, power and logistics modules, science equipment)
- SLS delivers the heavy elements for Lunar Orbital Platform - Gateway
- 8.4 m fairing provides ability to launch larger, heavier exploration elements, greatly improving mission efficiency and simplifying on-orbit assembly
- Orion has 21 days capability with 4 crew, providing safe haven on the journey
- Orion is tug for gateway elements, avoiding the weight and cost of an extra propulsion element

Metric Tons

70

60

50

40

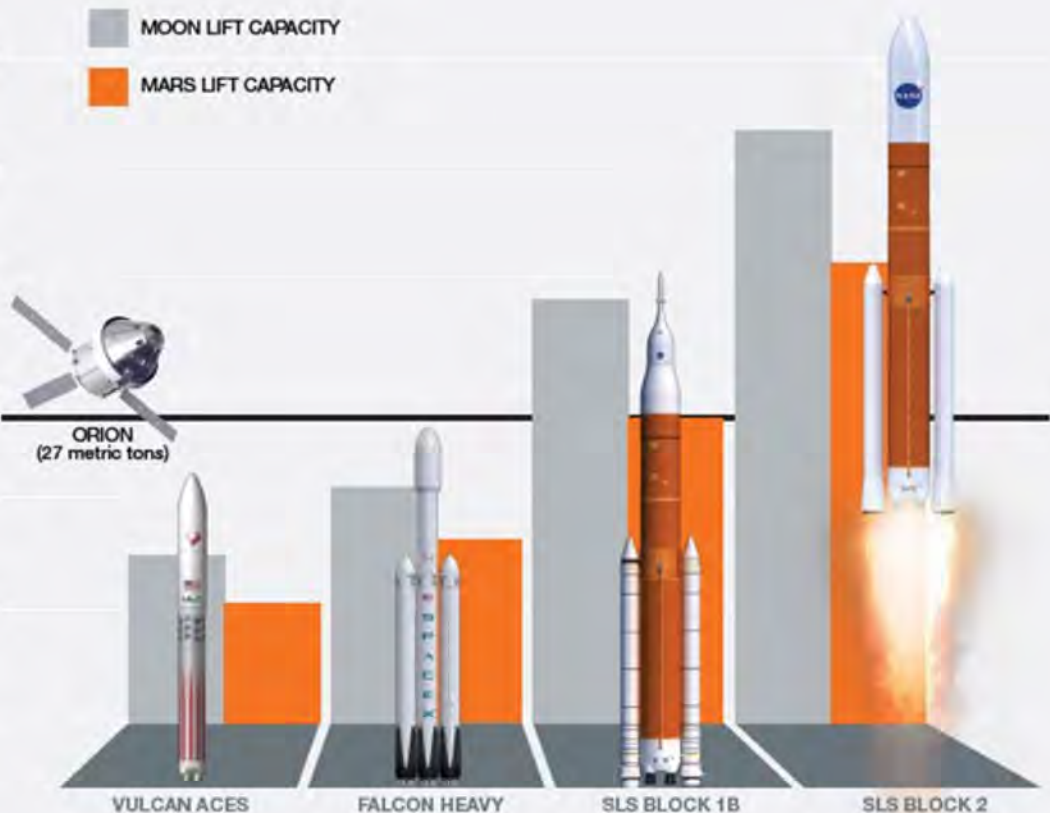
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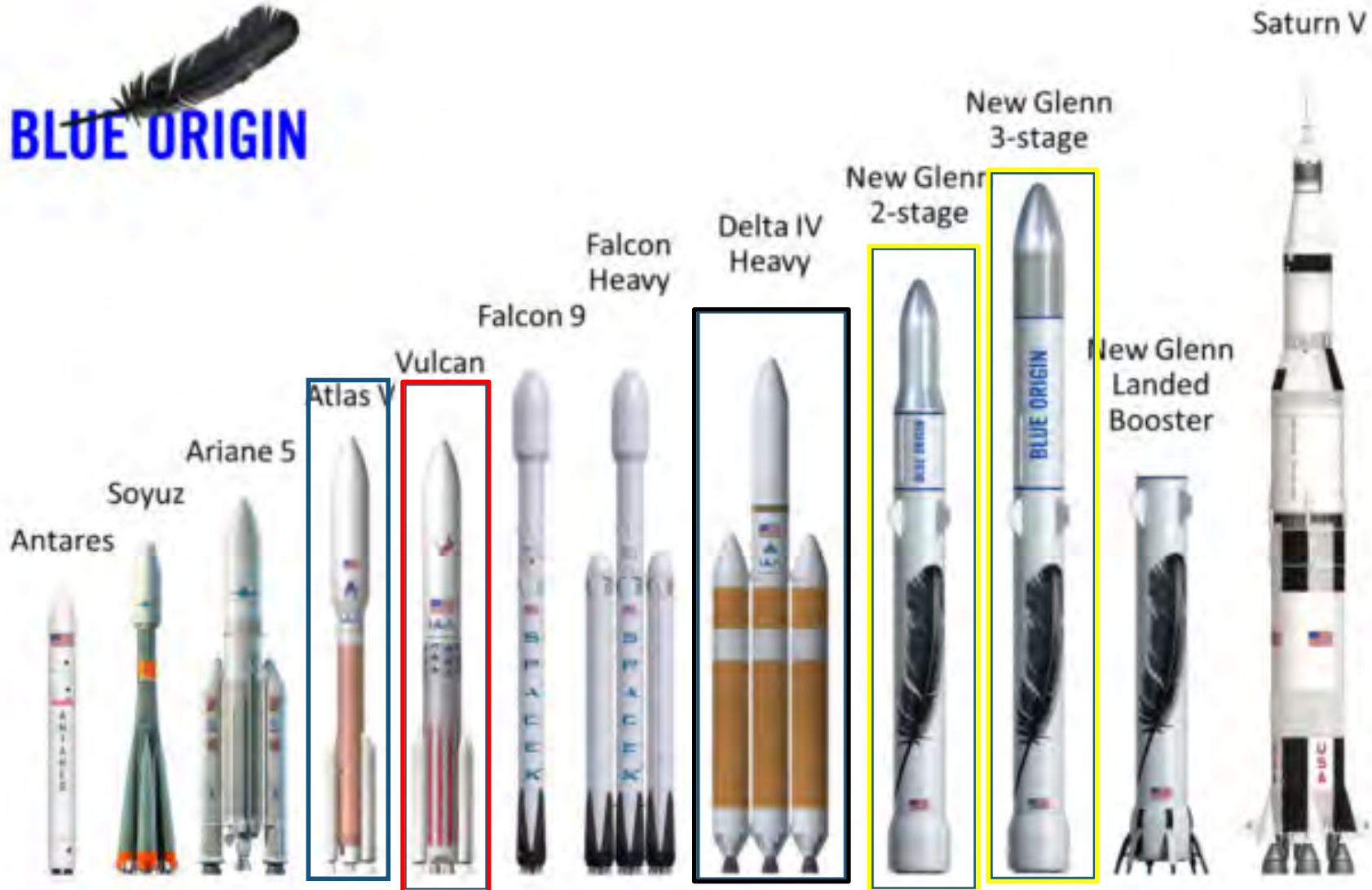
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MOON LIFT CAPACITY
MARS LIFT CAPACITY





 **Dynetics**

AEROJET
ROCKETDYNE


BLUE ORIGIN

ULA
United Launch Alliance

snc **SIERRA
NEVADA
CORPORATION**
ELECTRONIC SYSTEMS AND INTEGRATION
INNOVATIVE & AGILE TECHNOLOGY SOLUTIONS

 **TELEDYNE**
BROWN ENGINEERING
Everywhereyoulook™

LOCKHEED MARTIN

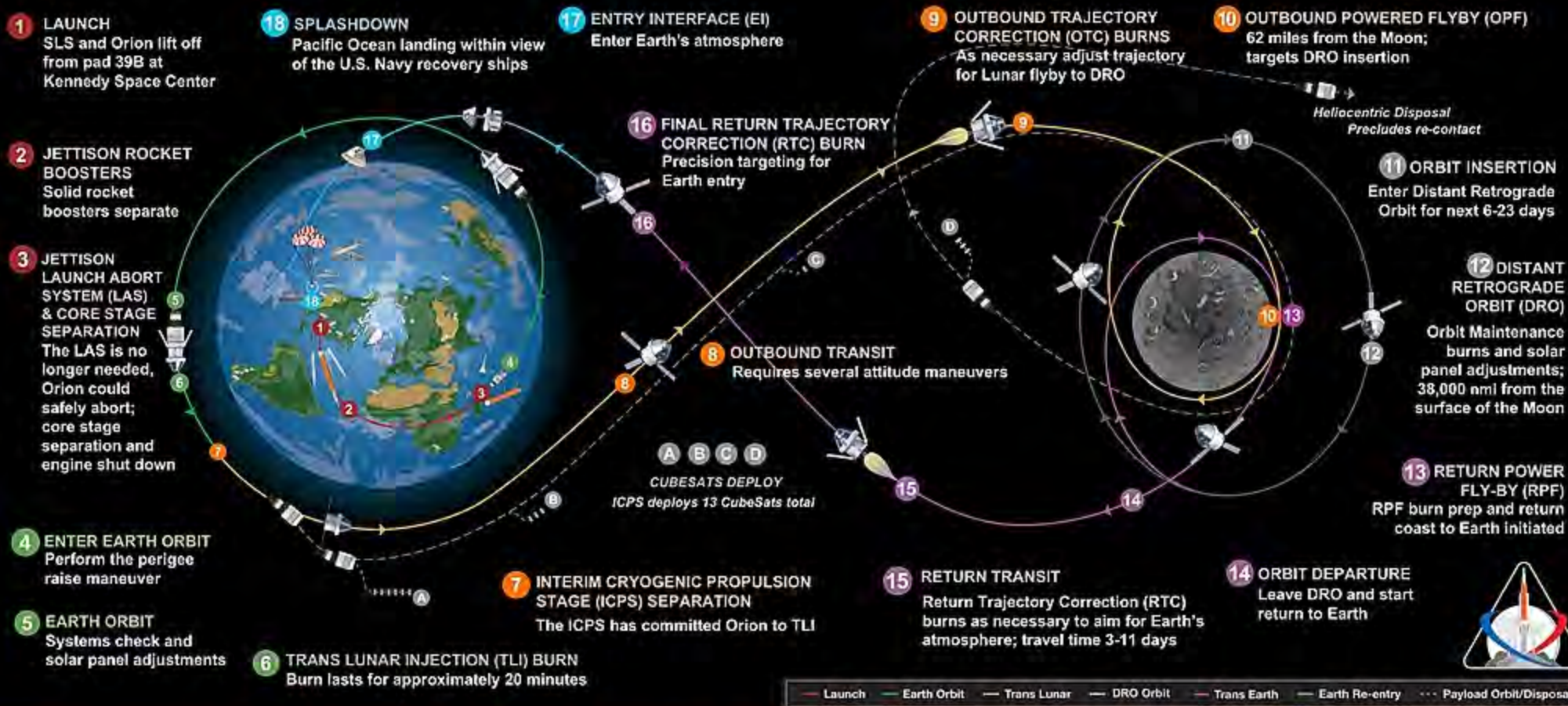
 **BOEING**

Together
ahead. **RUAG**



Artemis 1

The first uncrewed, integrated flight test of NASA's Orion spacecraft and Space Launch System rocket, launching from a modernized Kennedy spaceport



Total distance traveled: 1.3 million miles – Mission duration: 26-42 days – Re-entry speed: 24,500 mph (Mach 32) – 13 CubeSats deployed

