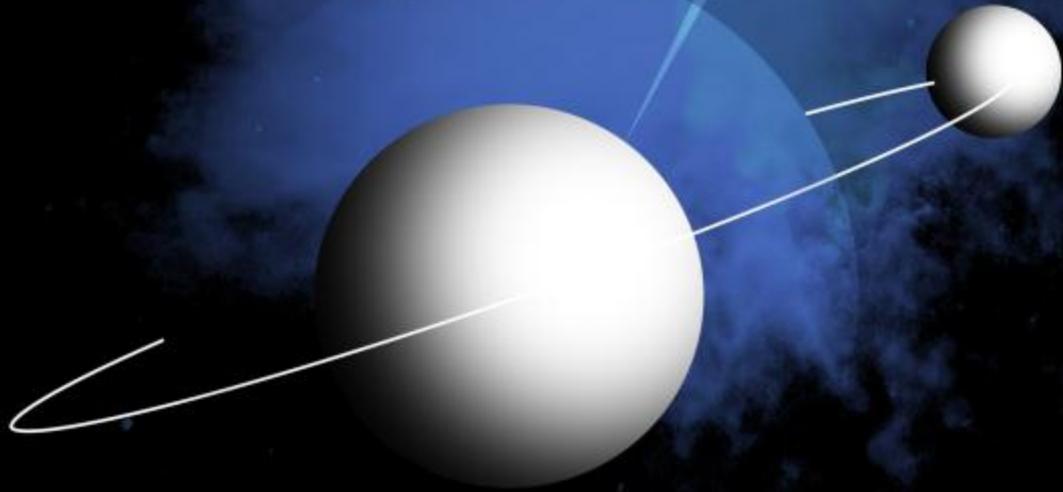




Space Launch System America's Flagship for Exploration



Steve Creech

Assistant Program Manager for

Strategy and Partnerships

April 23, 2014



A Deeper Purpose, A Bolder Mission

**“We reach for new heights
and reveal the unknown for the
benefit of humankind.”**



NASA's Space Launch System



Launching Soon.
Building Today.



Proven
success.
Greater
power.

Stage Adapters:

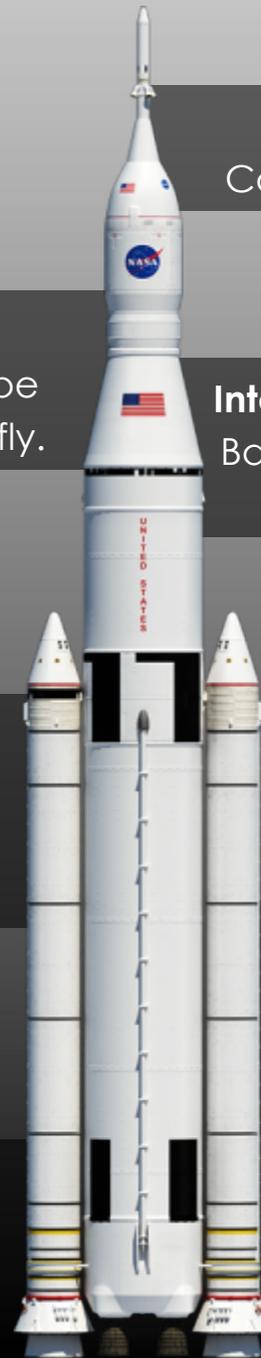
The Orion stage adapter will be the first new SLS hardware to fly.

Core Stage:

Newly developed for SLS, the Core Stage towers more than 200 feet tall

RS-25 Engines:

Space Shuttle engines for the first four flights are already in inventory



Orion:

Carries astronauts into deep space

Interim Cryogenic Propulsion Stage:

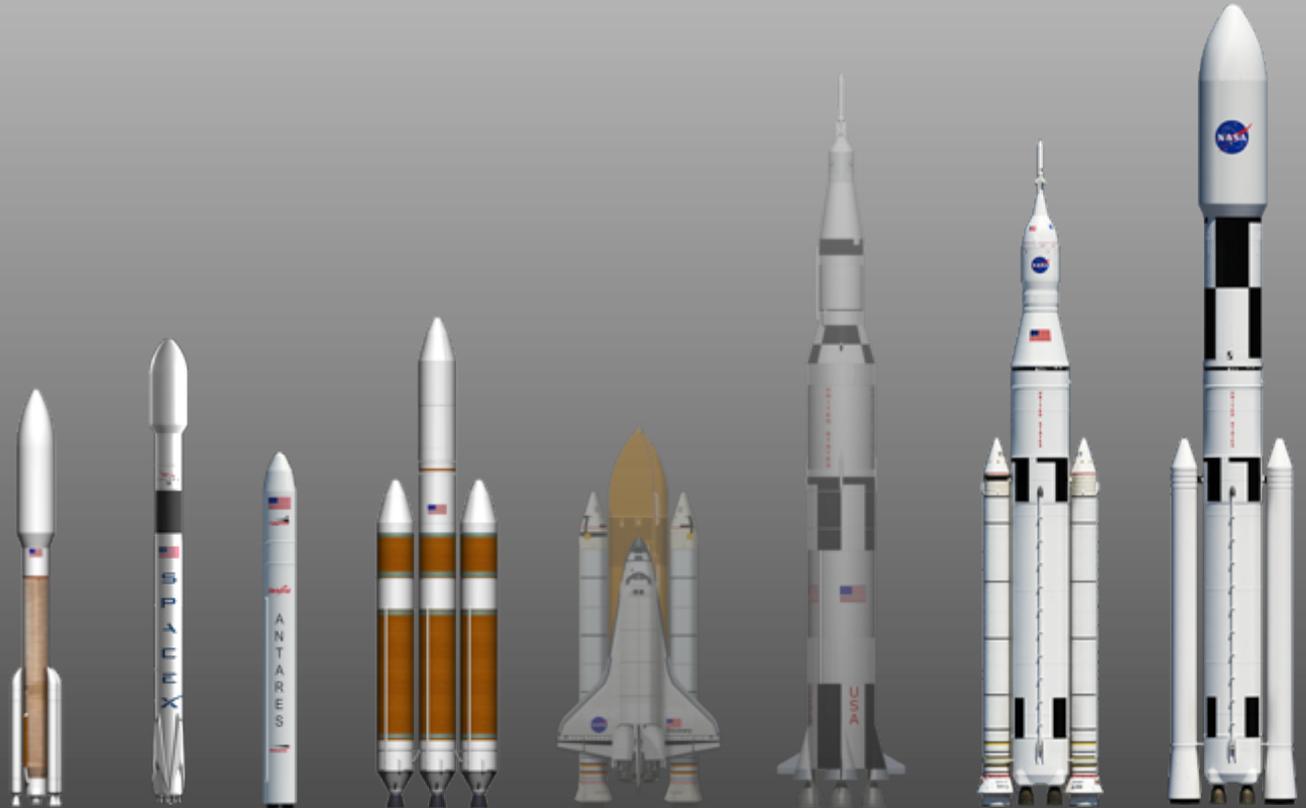
Based on the Delta IV Heavy upper stage; the power to leave Earth

Solid Rocket Boosters:

Built on Space Shuttle hardware; more powerful for a new era of exploration



Bigger
Rocket =
Unrivaled
Mass,
Unrivaled
Volume



Enables missions
no other rocket can perform.



Asteroid Rendezvous

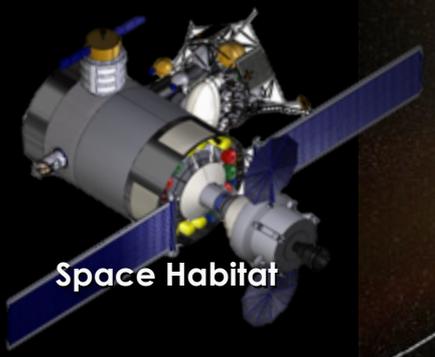


Deep Space Telescope



GEO Servicing

Versatile
enough
for a
universe of
possibility



Space Habitat



Solar Probe



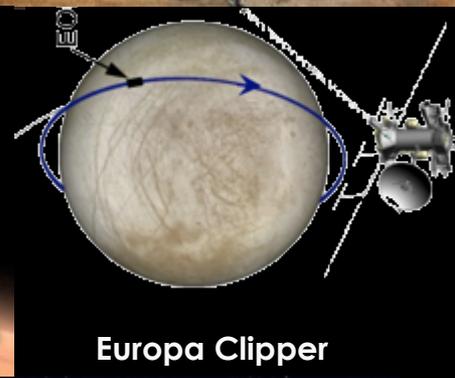
Mars Sample Return



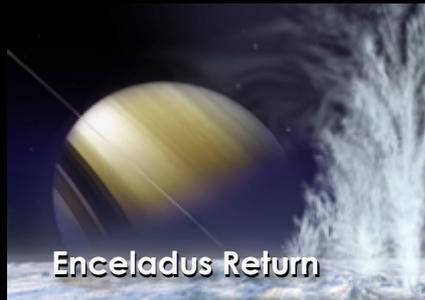
Mars Cargo Lander



Humans to Mars



Europa Clipper



Enceladus Return



Uranus Spacecraft



Interstellar



A
national
resource
the nation
can
afford



Innovatively designed to be
affordable within a limited budget.



**‘Stack it.
I’m
ready.’
–Tony
Antonelli**



**After an in-depth technical review,
the SLS Program is ready to build.**



Moving rapidly toward **the launch pad**



NASA is building and testing SLS around the country right now!





SLS's first launch will send Orion
farther than Apollo ever traveled.

SLS flies
for the
first
time in
2017!





SLS is the
first step
in the
journey
to Mars



Going to Mars will be difficult.
SLS provides the power that it takes.



We explore space to promote
**inspiration, security, diplomacy,
knowledge, technology & prosperity.**

Going
out there
**to better
life here**





The
biggest
challenges
aren't
always
technical



The SLS team is making great progress.
Help us share our story.

Man cannot discover
new oceans
unless he has the
courage to lose
sight of the shore.



Join us on
the journey

www.nasa.gov/sls
www.twitter.com/nasa_sls
www.facebook.com/nasasls
www.instagram.com/explorenasa

