



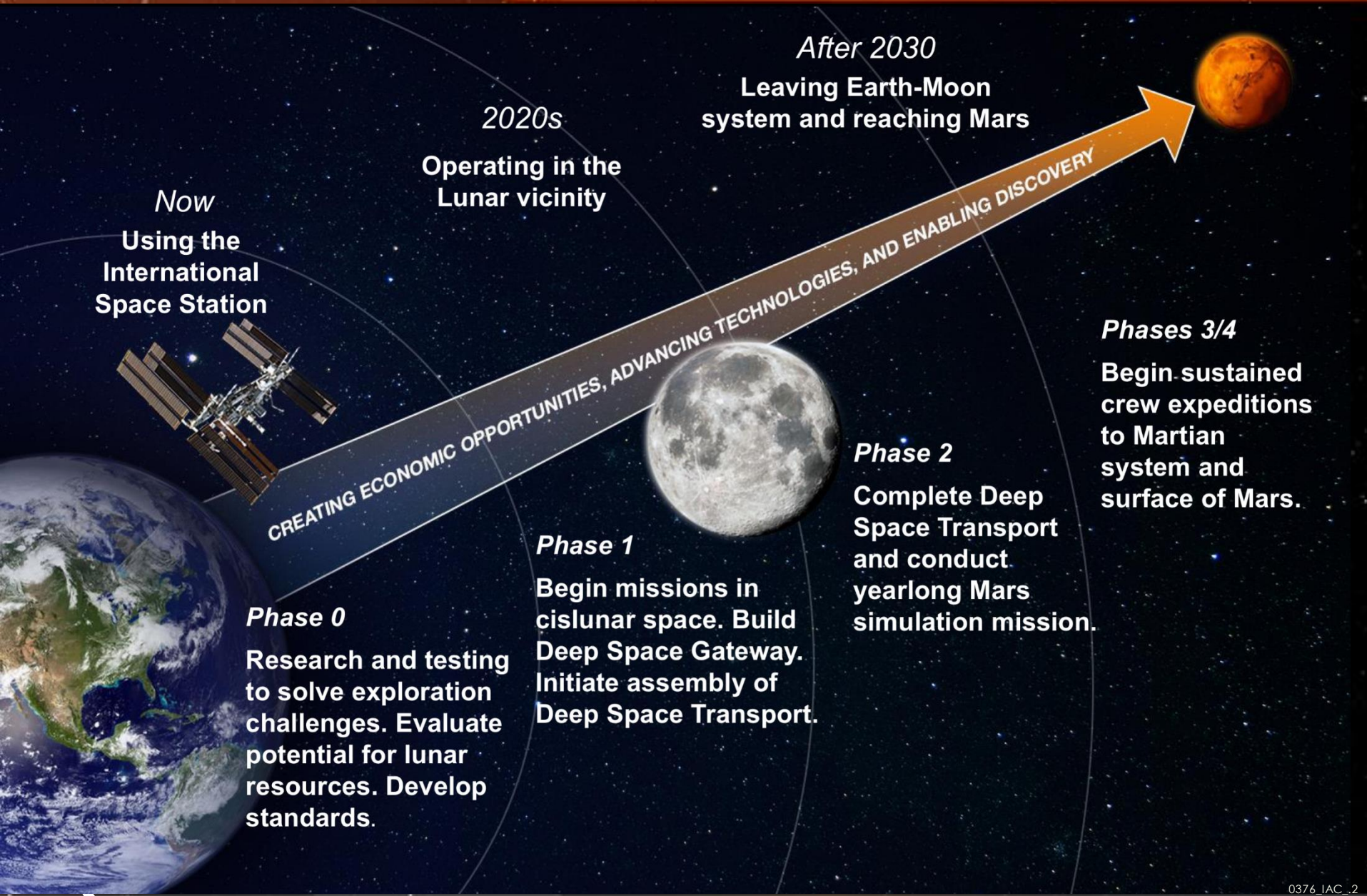
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SPACE LAUNCH SYSTEM

NASA's Space Launch System: Progress Report

Jerry Cook,
SLS Deputy Program Manager
NASA Marshall Space Flight Center

PHASED APPROACH TO HUMAN EXPLORATION



NASA'S SPACE LAUNCH SYSTEM: AMERICA'S NEXT GREAT ROCKET

Interim Cryogenic Propulsion Stage:

The second stage for the first SLS launch will push Orion beyond the moon.

Orion:

Carries explorers safely into space & back.

Stage Adapter:

Provides space for sending several small spacecraft to the moon and beyond.

Core Stage:

Larger than any other rocket stage, the SLS core stage holds fuel for launch.

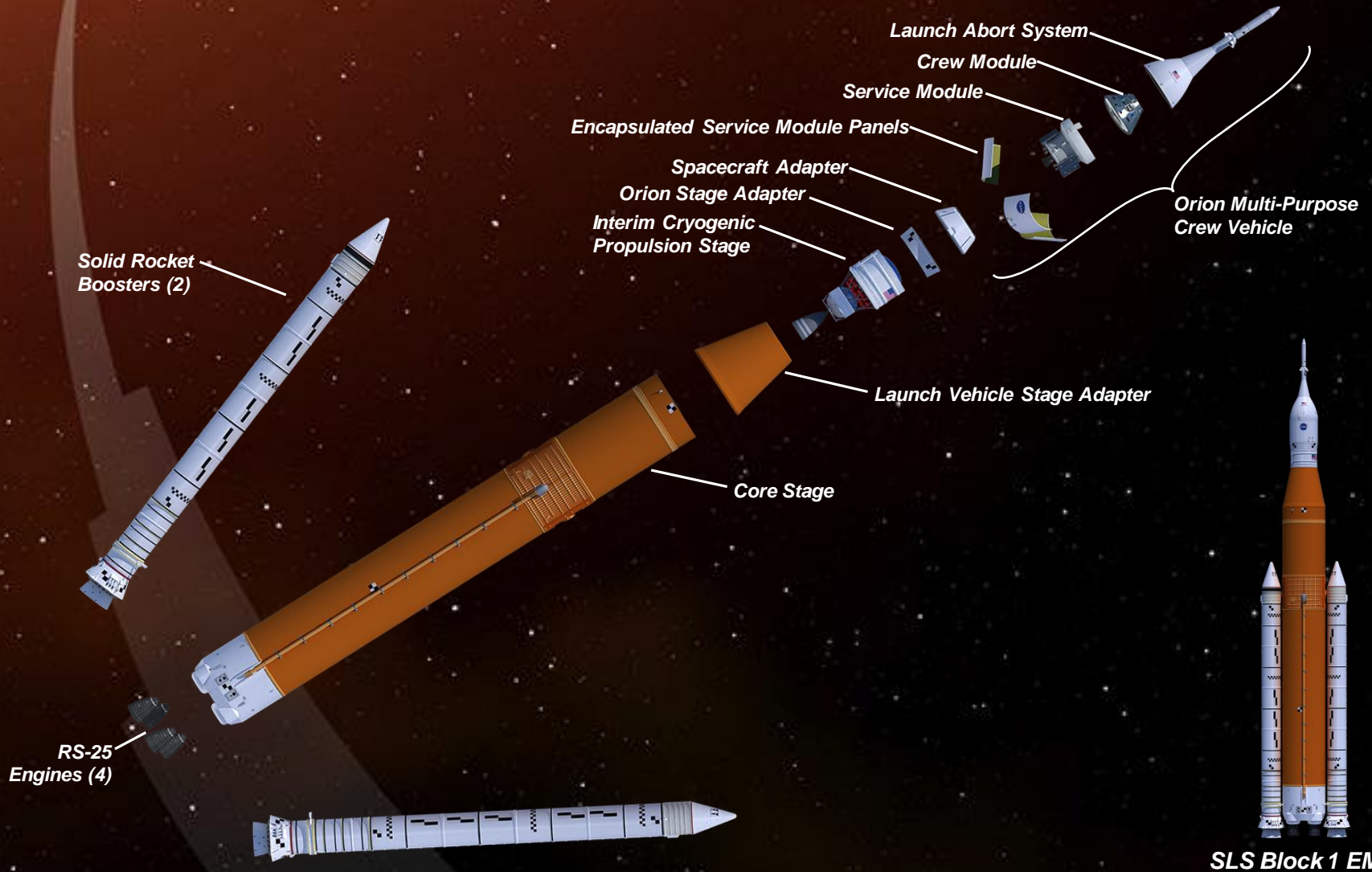
Solid Rocket Boosters:

The largest boosters to ever fly will provide most of the power for the first two minutes of flight.

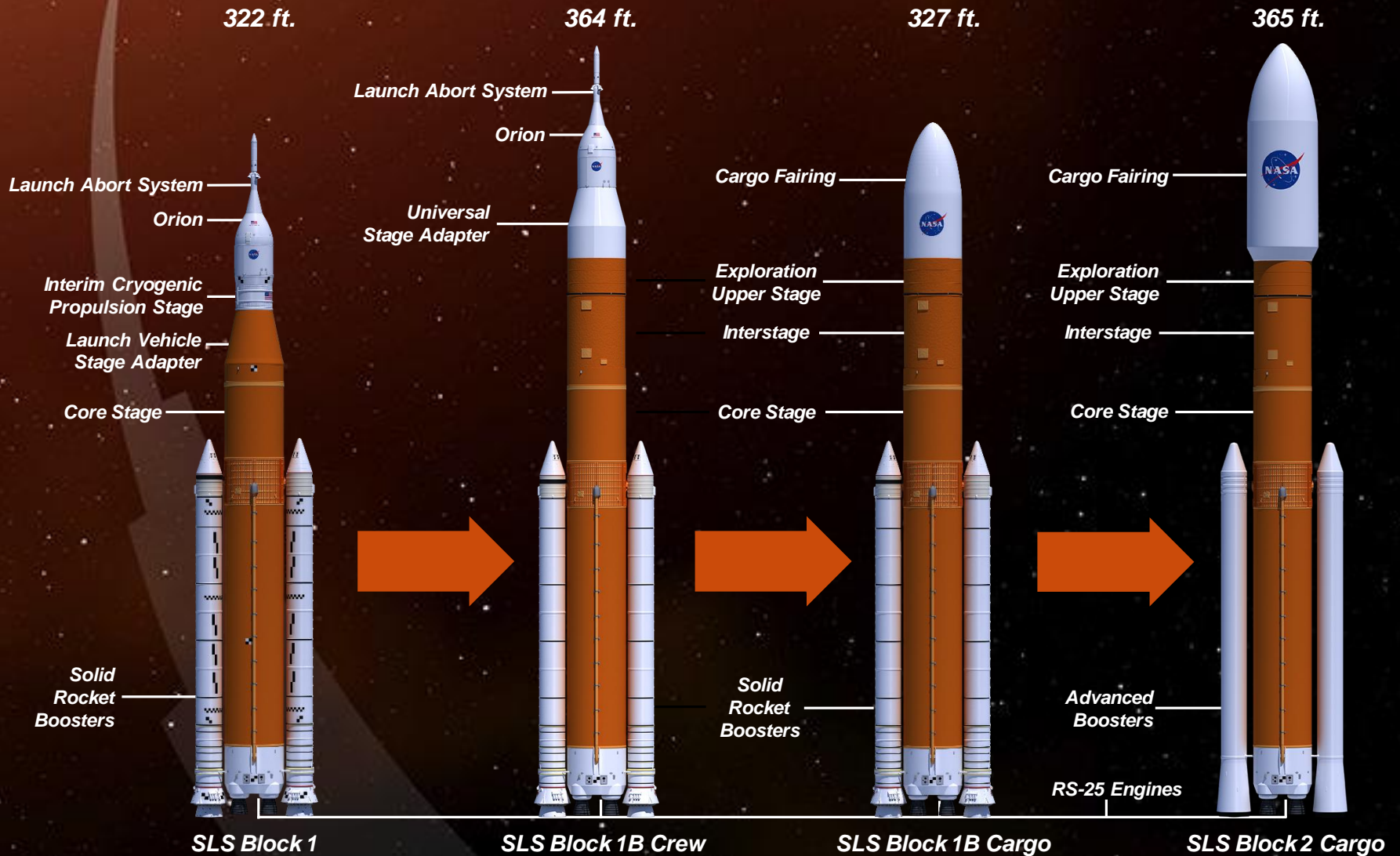
RS-25 Engines:

The most reliable engines of their kind; upgraded with new technology.

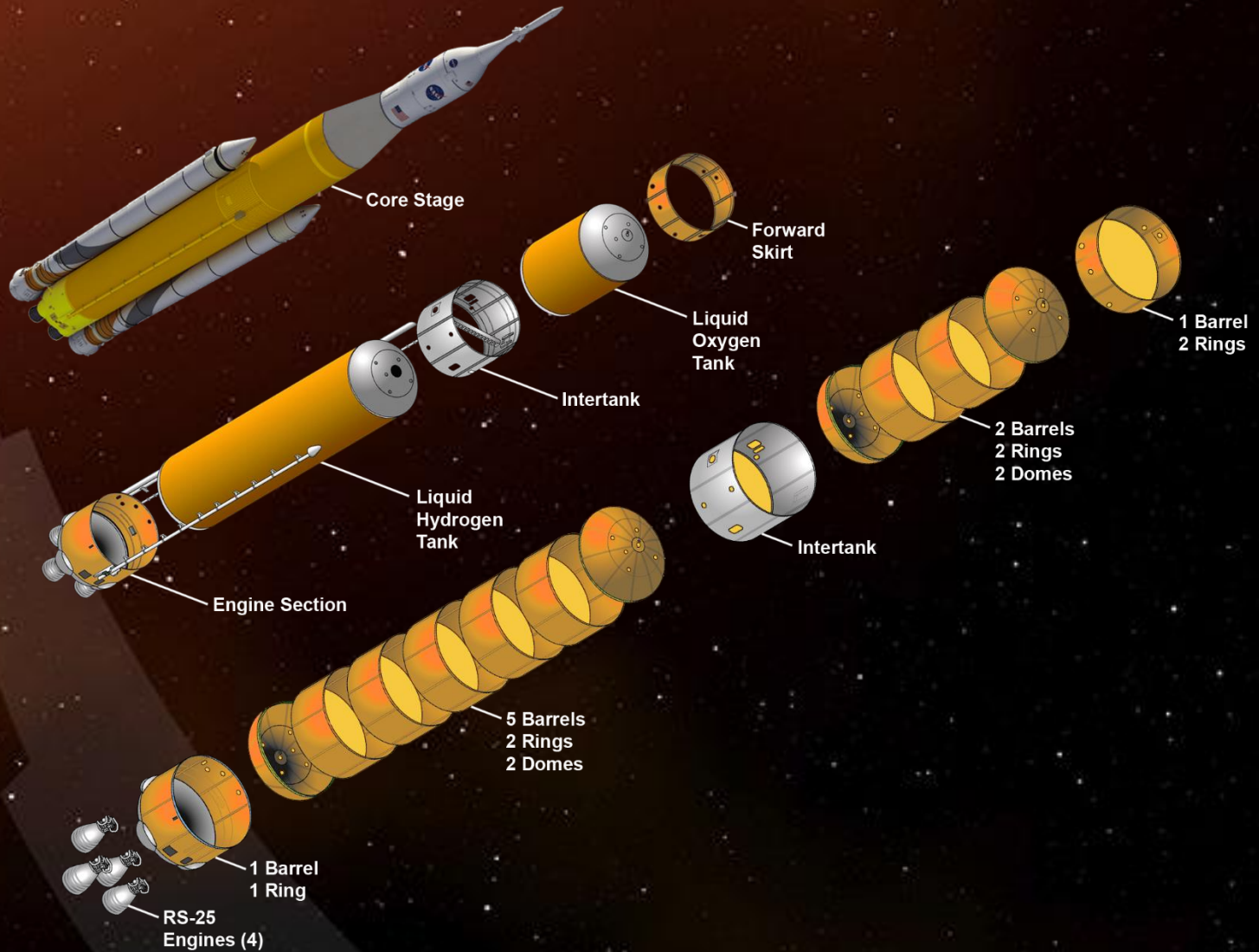
BLOCK 1 EM-1 EXPANDED VIEW



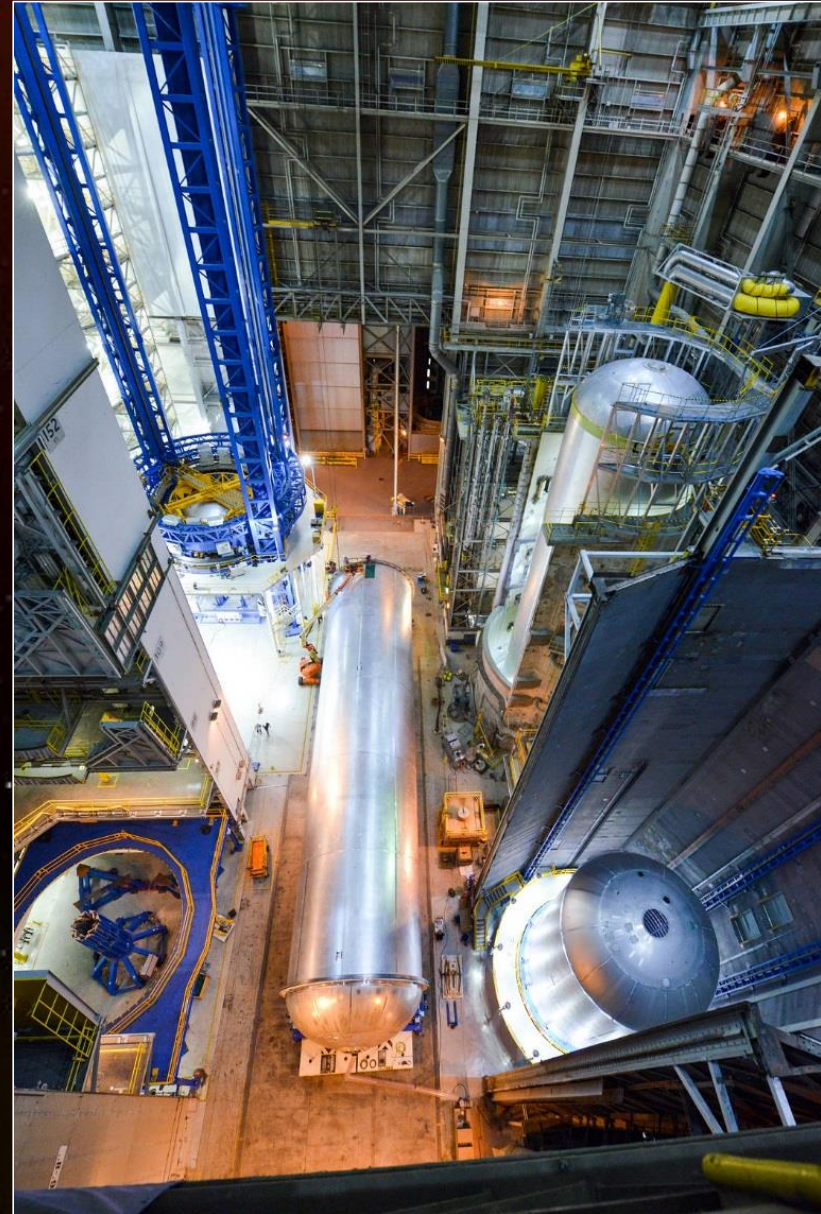
NASA SLS – SPACE LAUNCH SYSTEM



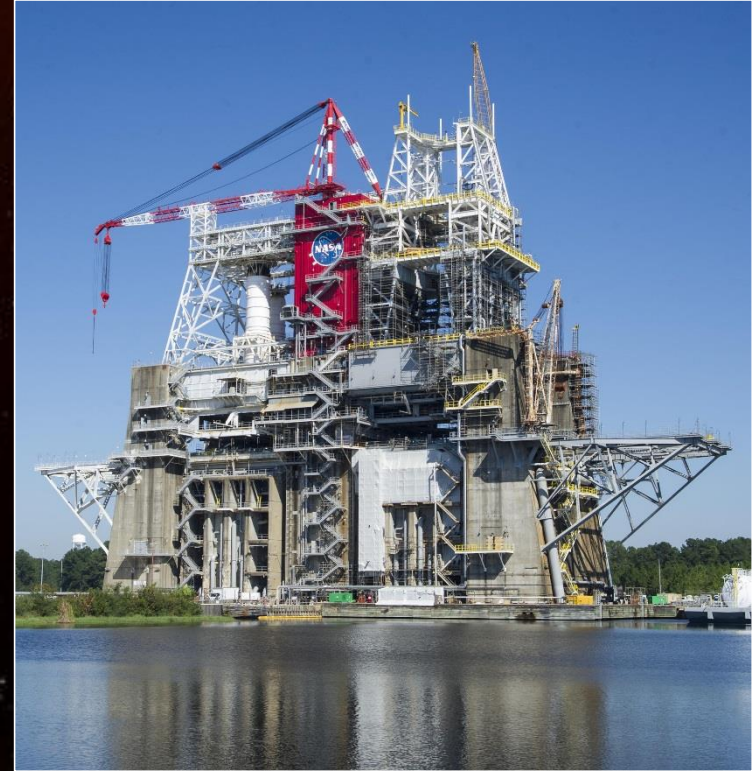
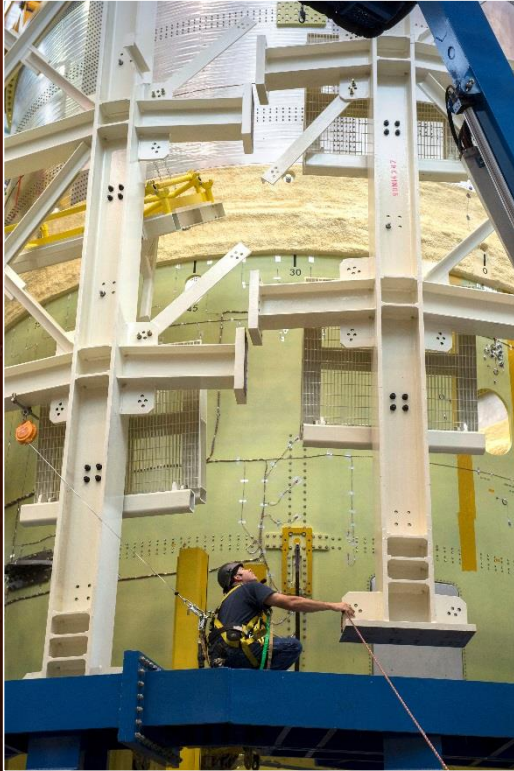
CORE STAGE DESIGN



CORE STAGE MANUFACTURING



CORE STAGE TESTING



SOLID ROCKET BOOSTER PROGRESS



RS-25 PROGRESS



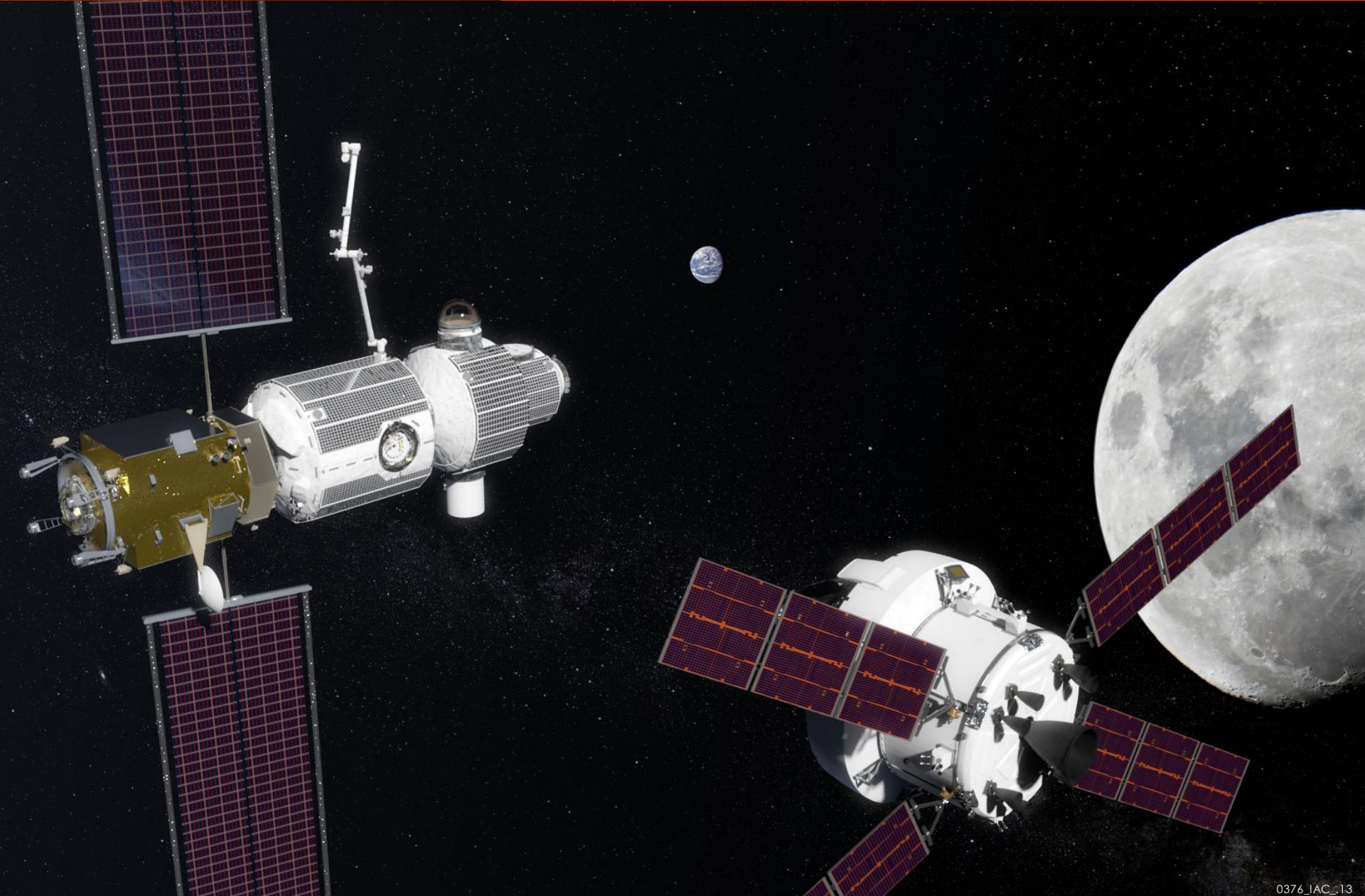
IN-SPACE STAGE, PAYLOAD HARDWARE PROGRESS



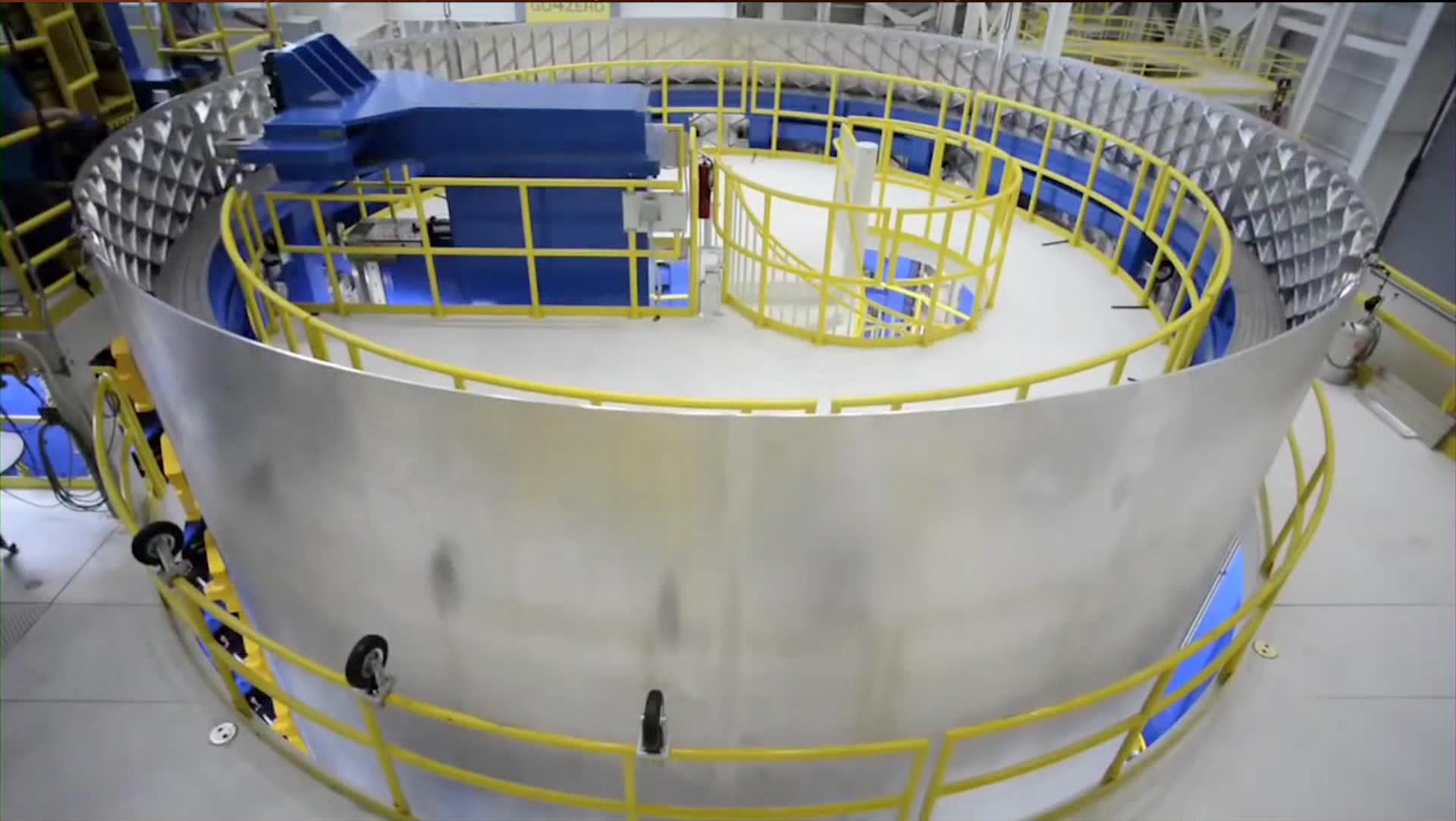
BLOCK 1B PROGRESS

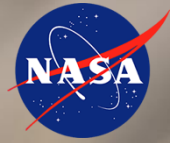


CISLUNAR MISSIONS



HIGHLIGHTS FROM OUR PROGRESS





SLS



QUESTIONS?

