



3DV

NASA 3D VIEW



MODEL VIEWER

SCENE VIEWER

AUGMENTED REALITY

ABOUT 3DV

SHARE



**Tell your friends, family, and colleagues about the
NASA 3DV App!**



ABOUT 3DV

The 3DV mobile app gives you the ability to view several different aspects of NASA's Deep Space Exploration that will be taking out space program to asteroids, Mars and beyond.

Please watch the video below for a quick tutorial on how to use this app.



The 3DV model viewer allows you to get an up close look at some of the critical components of NASA's human deep space program. Select a vehicle from the menu below and then use your fingers to rotate, pivot or pinch to zoom. Touch a particular area to center your view. Touch the special function button in the middle to expand or animate the model. Use the detail button to see information on the vehicle.

**SELECT A
VEHICLE**



**SELECT ACTION
TO ANIMATE**



**SELECT DETAILS
FOR INFO**



**MOVE WITH
FINGER**



**TOUCH AREA
TO CENTER**



**PINCH TO
ZOOM**



VEHICLES

SPACE LAUNCH SYSTEM

THE CRAWLER

LAUNCH TOWER

ORION SPACECRAFT





SPACE LAUNCH SYSTEM

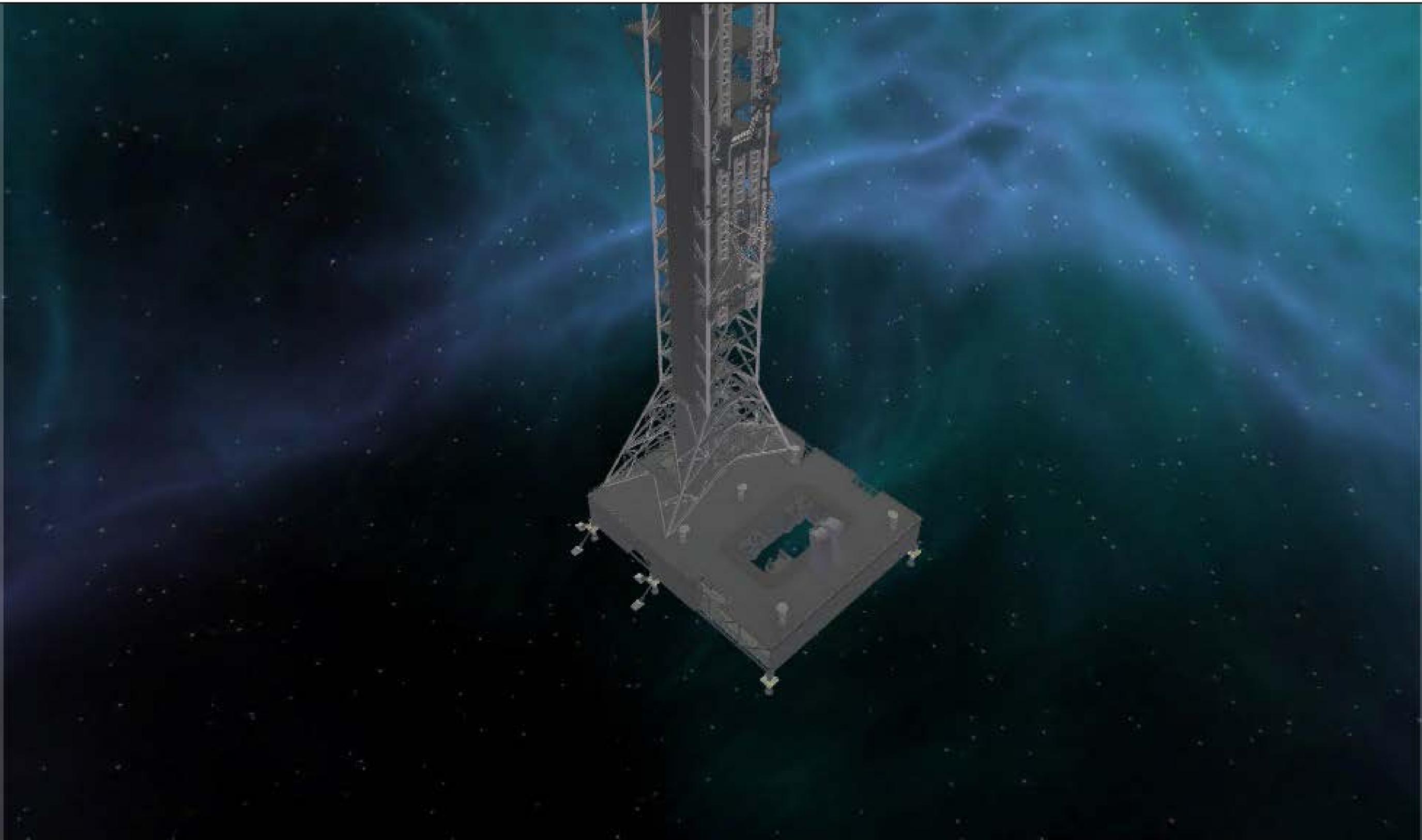
NASA's Space Launch System is an advanced heavy-lift launch vehicle that will provide an entirely new capability for science and human exploration beyond Earth's orbit. SLS will give the Nation a safe, affordable, and sustainable means of reaching beyond our current limits and open new doors of discovery from the unique vantage point of space.





THE CRAWLER

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LAUNCH TOWER

Modification of a new Mobile Launcher (ML) is under way at NASA's Kennedy Space Center in Florida for NASA's Space Launch System (SLS). The Mobile Launcher is designed to support the assembly, testing, check out, and servicing of the rocket, as well as transfer it to the pad and provide the platform from which it will launch.







ORION SPACECRAFT

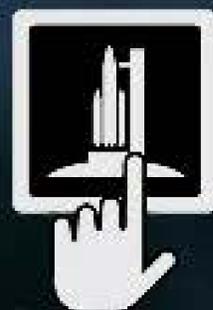
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HOME

HELP

SHARE

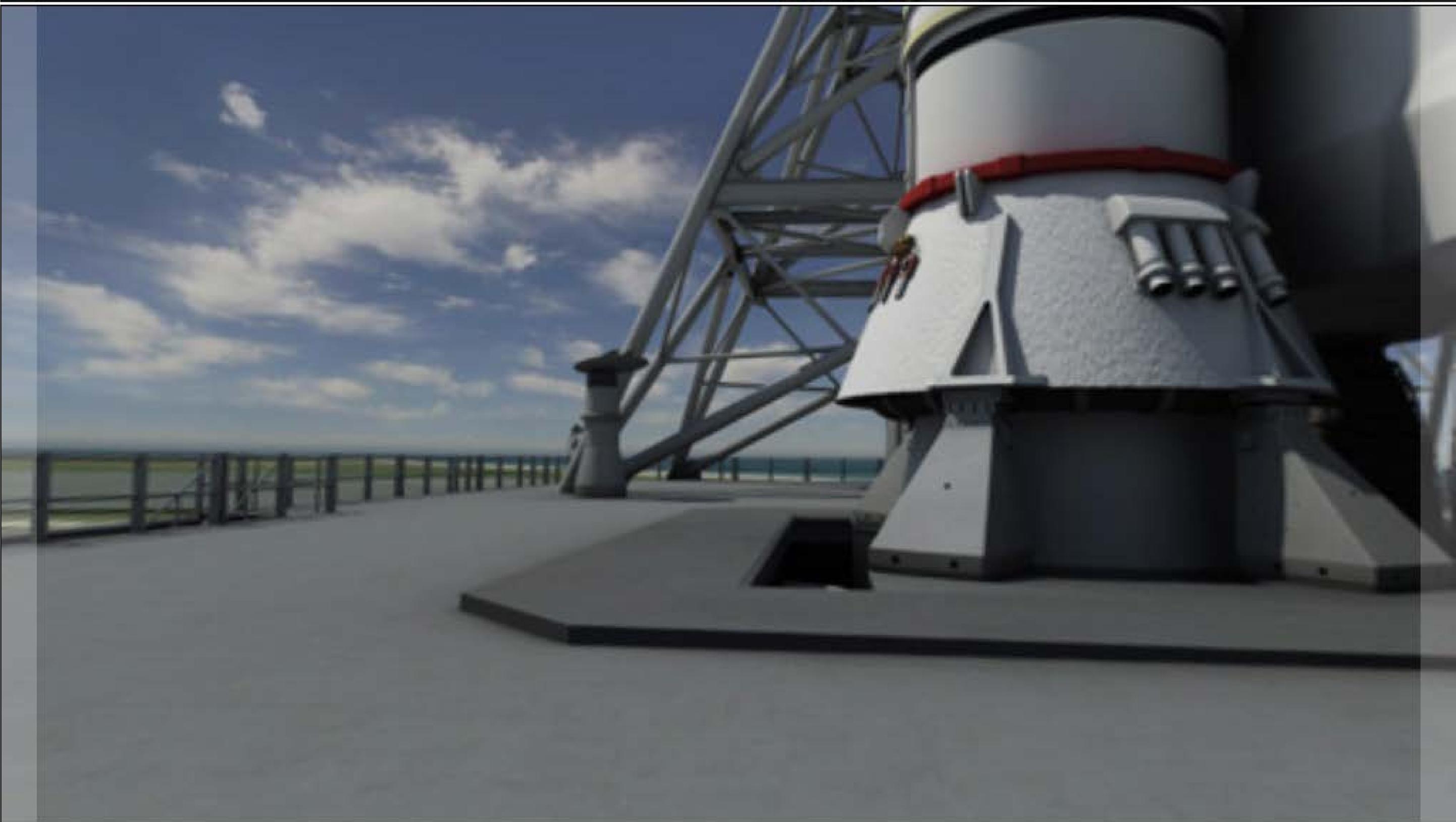
With the Scene Viewer, your device becomes a window into NASA. From a fixed point in space you can get a close up of several important components of NASA's human deep space program. Move your device around to look up, down and around as if you were in the Operation & Checkout facility, standing on the launch platform or even 200 feet in the air on the catwalk leading to the Orion crew module.

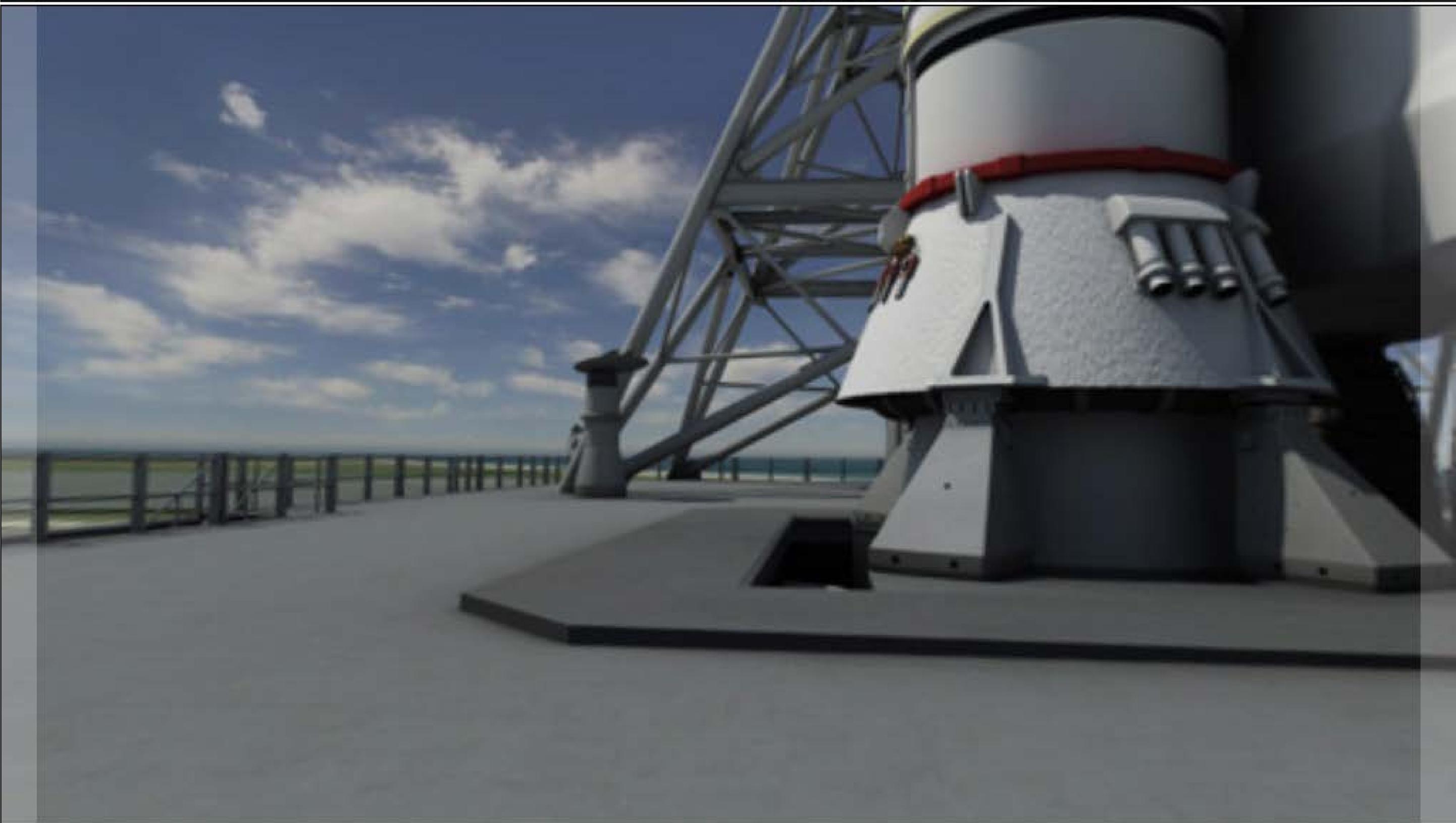
SELECT A
SCENEMOVE DEVICE
TO VIEW 360°SELECT DETAILS
FOR INFO

LAUNCH PLATFORM

MLP CATWALK

O&C FACILITY

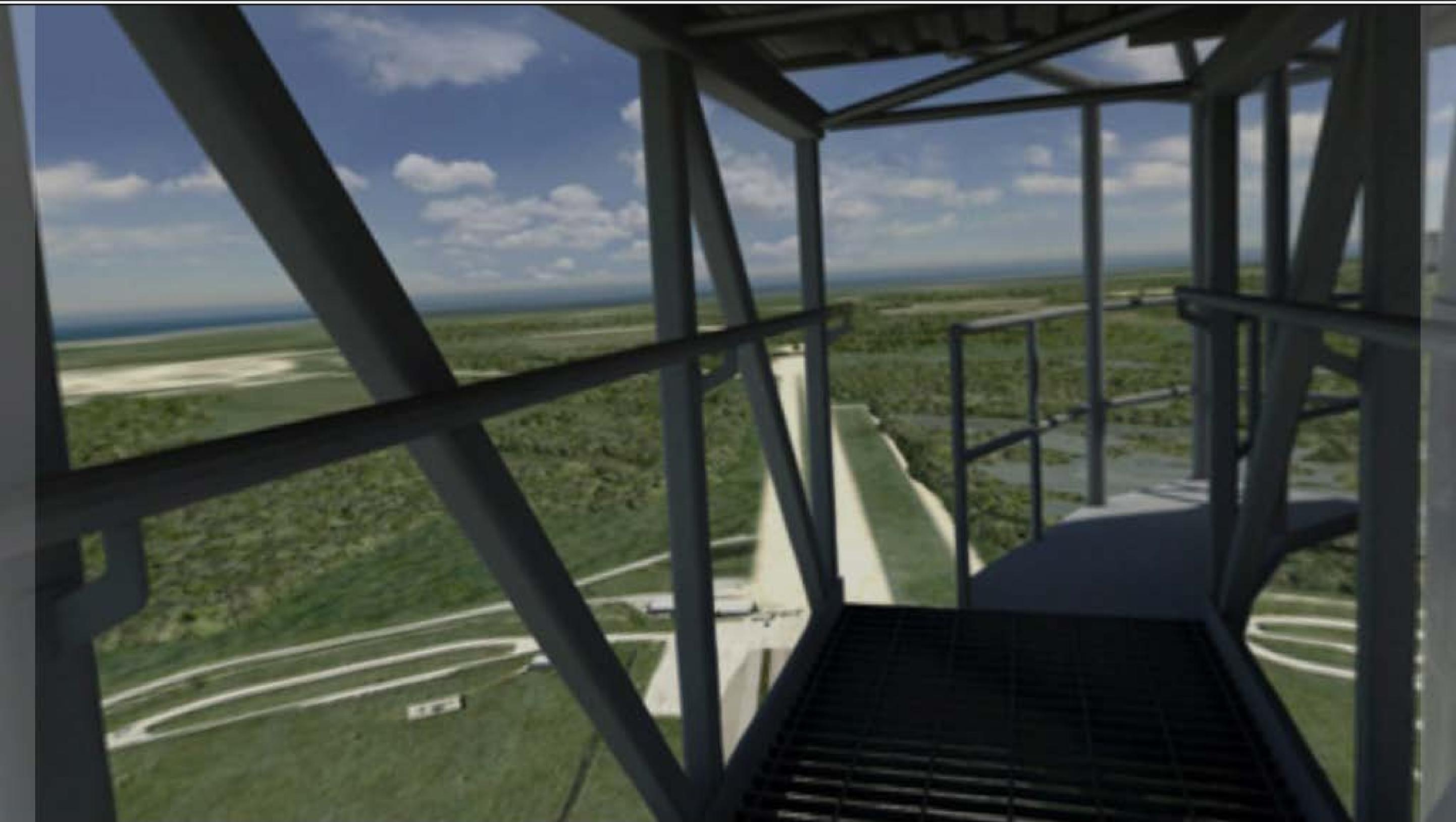


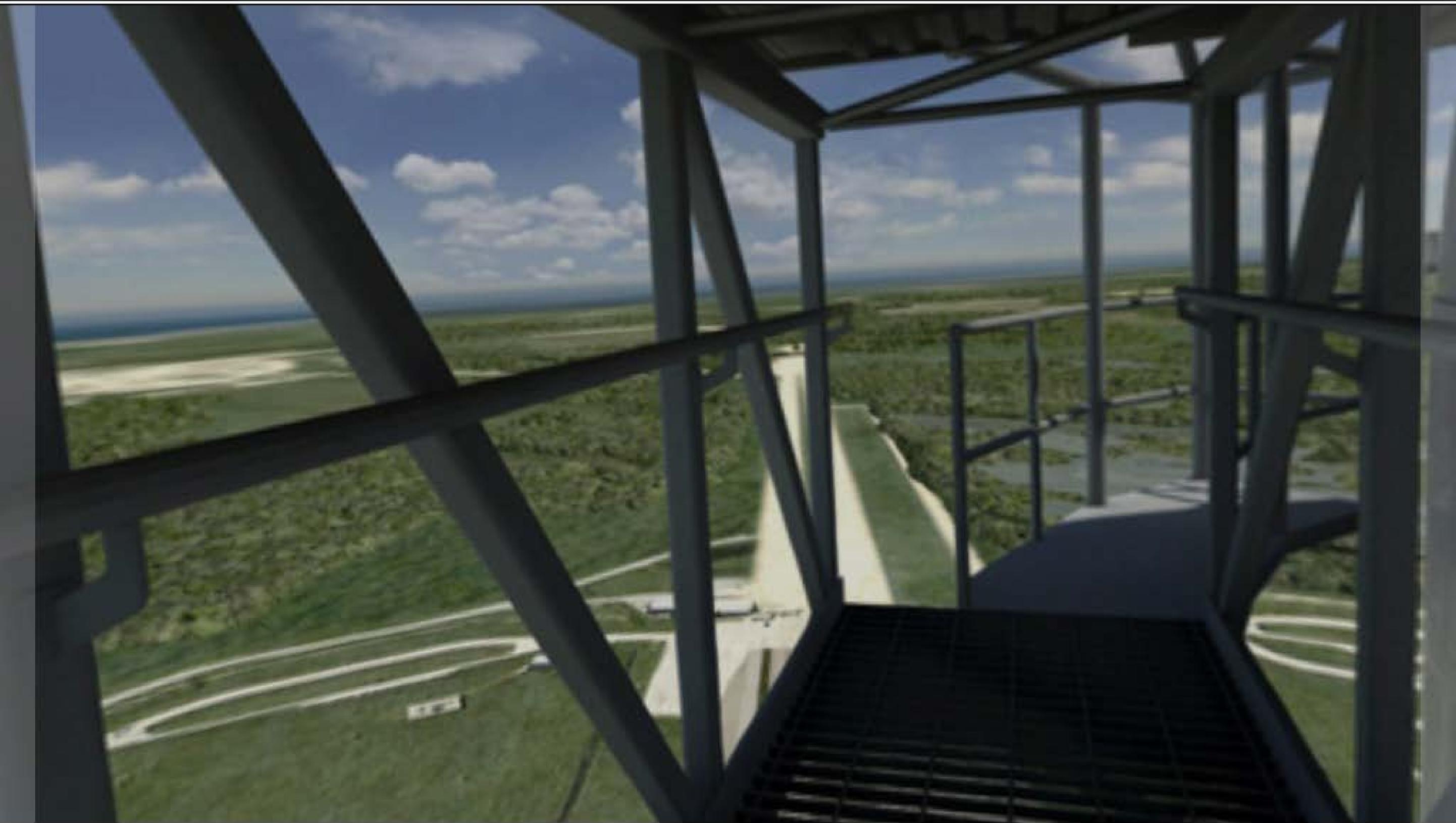




LAUNCH PLATFORM

The 70-metric-ton SLS will stand 321 feet tall, provide 8.4 million pounds of thrust at lift-off, weigh 5.5 million pounds, and carry 154,000 pounds of payload. The Mobile Launcher base is 47 feet high, 165 feet long, and 135 feet wide. The launch tower is 40 feet square and 355 feet tall with floors every 20 feet for personnel access to vehicle and ground support equipment. The approximate combined weight is 6,750,000 lbs.

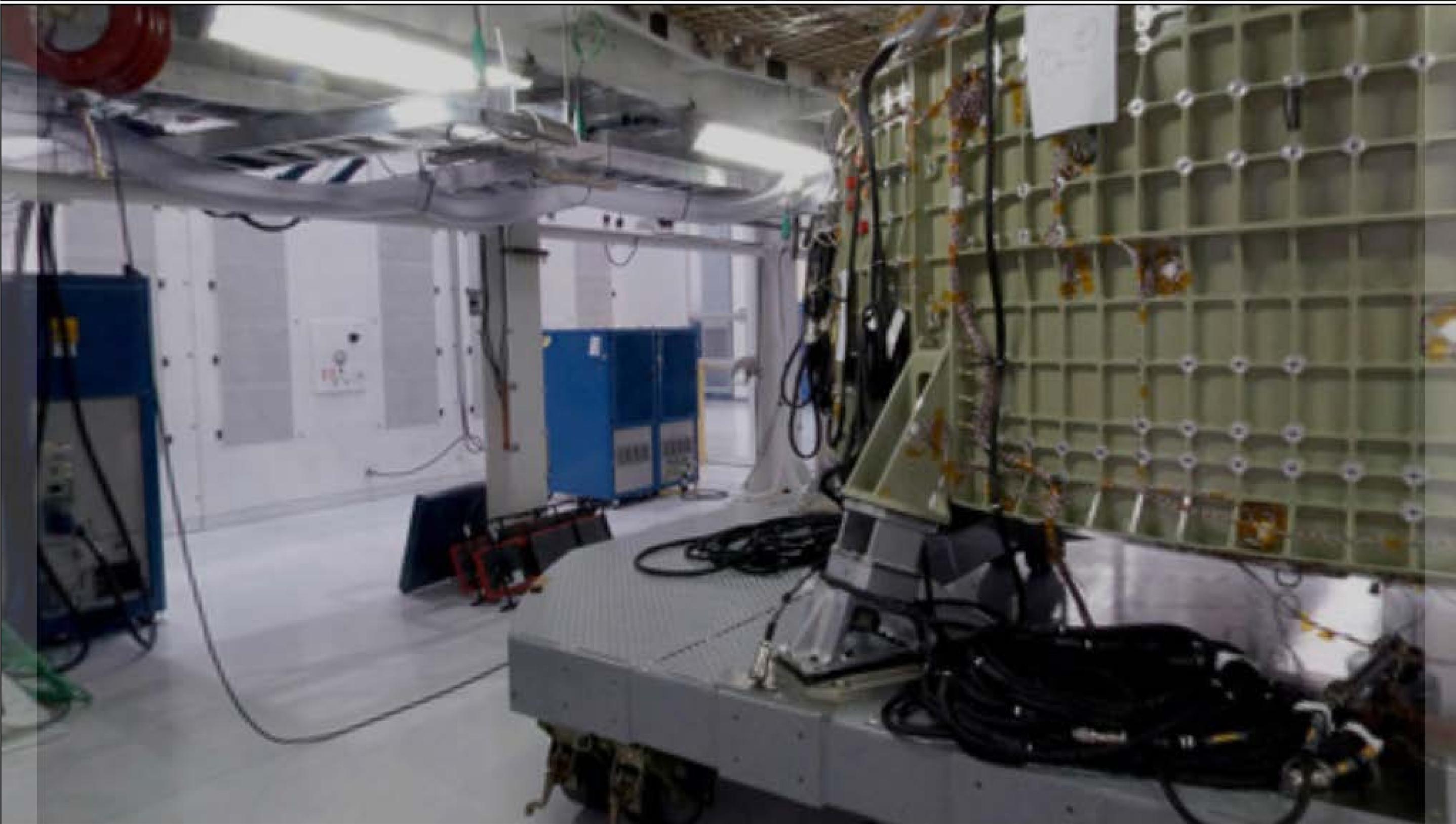


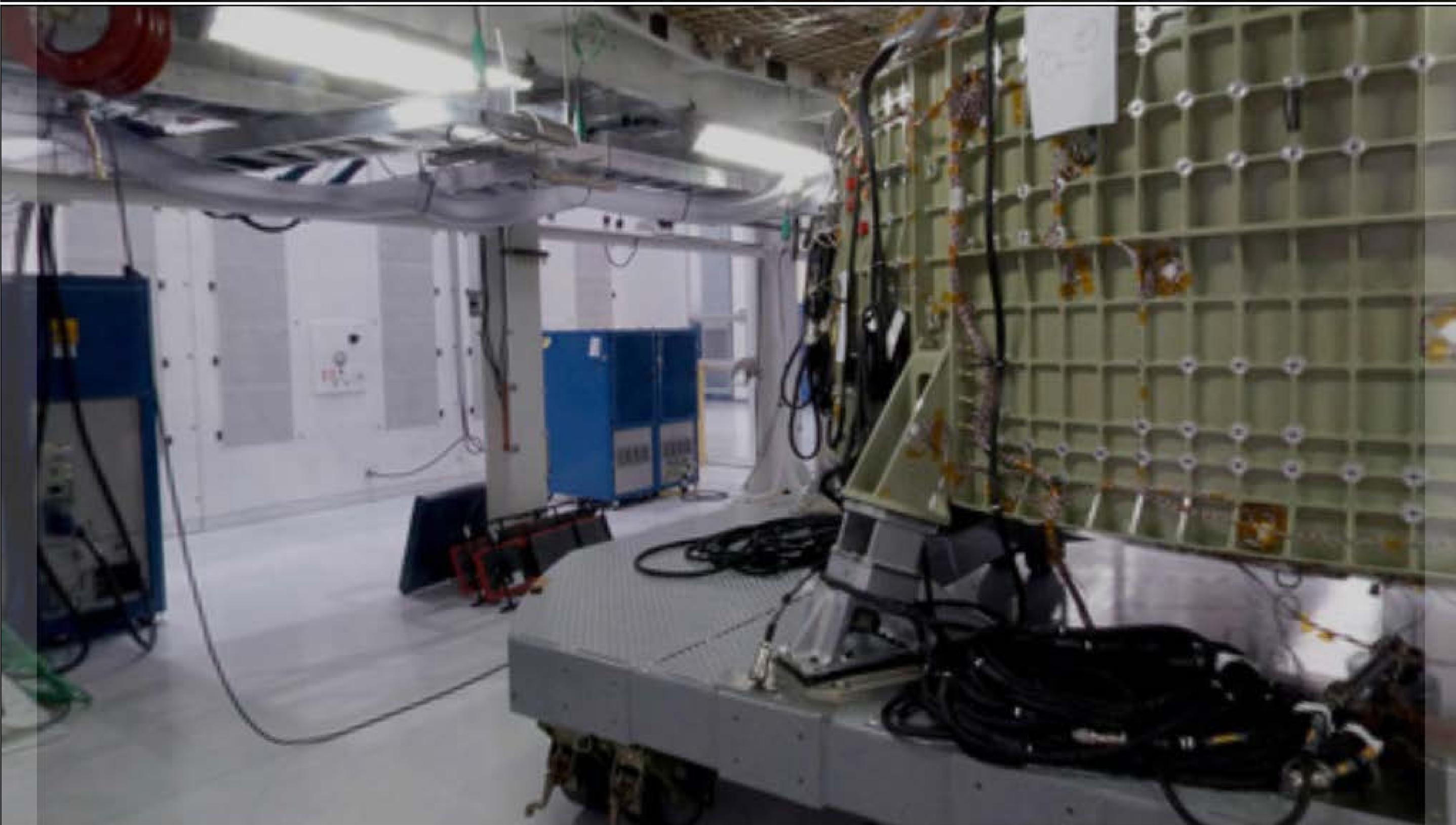


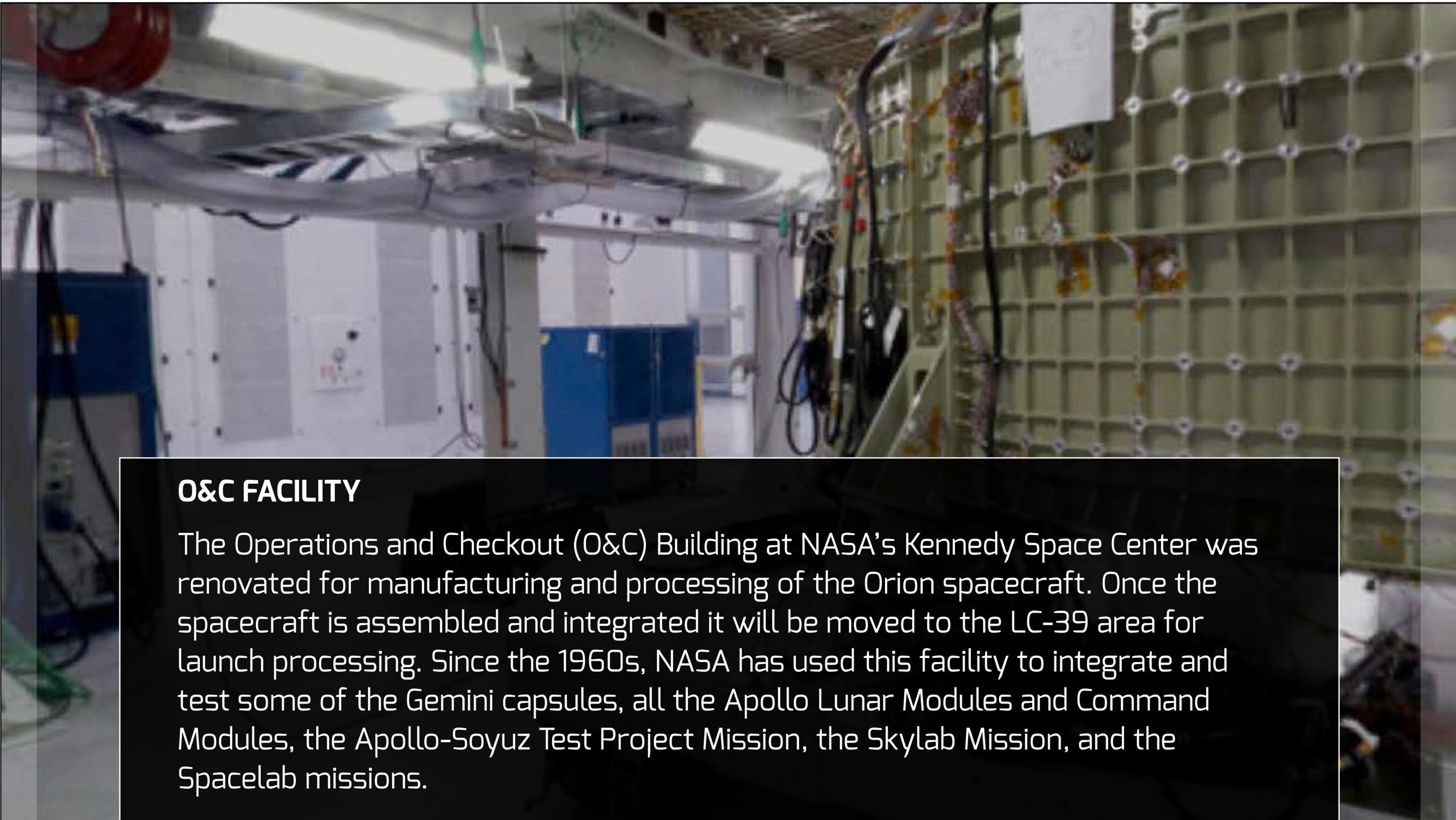


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O&C FACILITY

The Operations and Checkout (O&C) Building at NASA's Kennedy Space Center was renovated for manufacturing and processing of the Orion spacecraft. Once the spacecraft is assembled and integrated it will be moved to the LC-39 area for launch processing. Since the 1960s, NASA has used this facility to integrate and test some of the Gemini capsules, all the Apollo Lunar Modules and Command Modules, the Apollo-Soyuz Test Project Mission, the Skylab Mission, and the Spacelab missions.

The 3DV augmented reality viewer blurs the line between visual and the virtual, putting our next great spaceship into the pal of your hand. Choose from several different options, such as the Orion crew module, the massive crawler-transporter, the Space Launch System and even watch a launch on your desk! A NASA logo for use as a marker is required. For best results, start with a perpendicular view to the marker to load the model.

Download Marker

DOWNLOAD
MARKER



SELECT A
VEHICLE



POINT CAMERA
AT MARKER



SELECT ACTION
TO ANIMATE



SELECT DETAILS
FOR INFO



VEHICLES



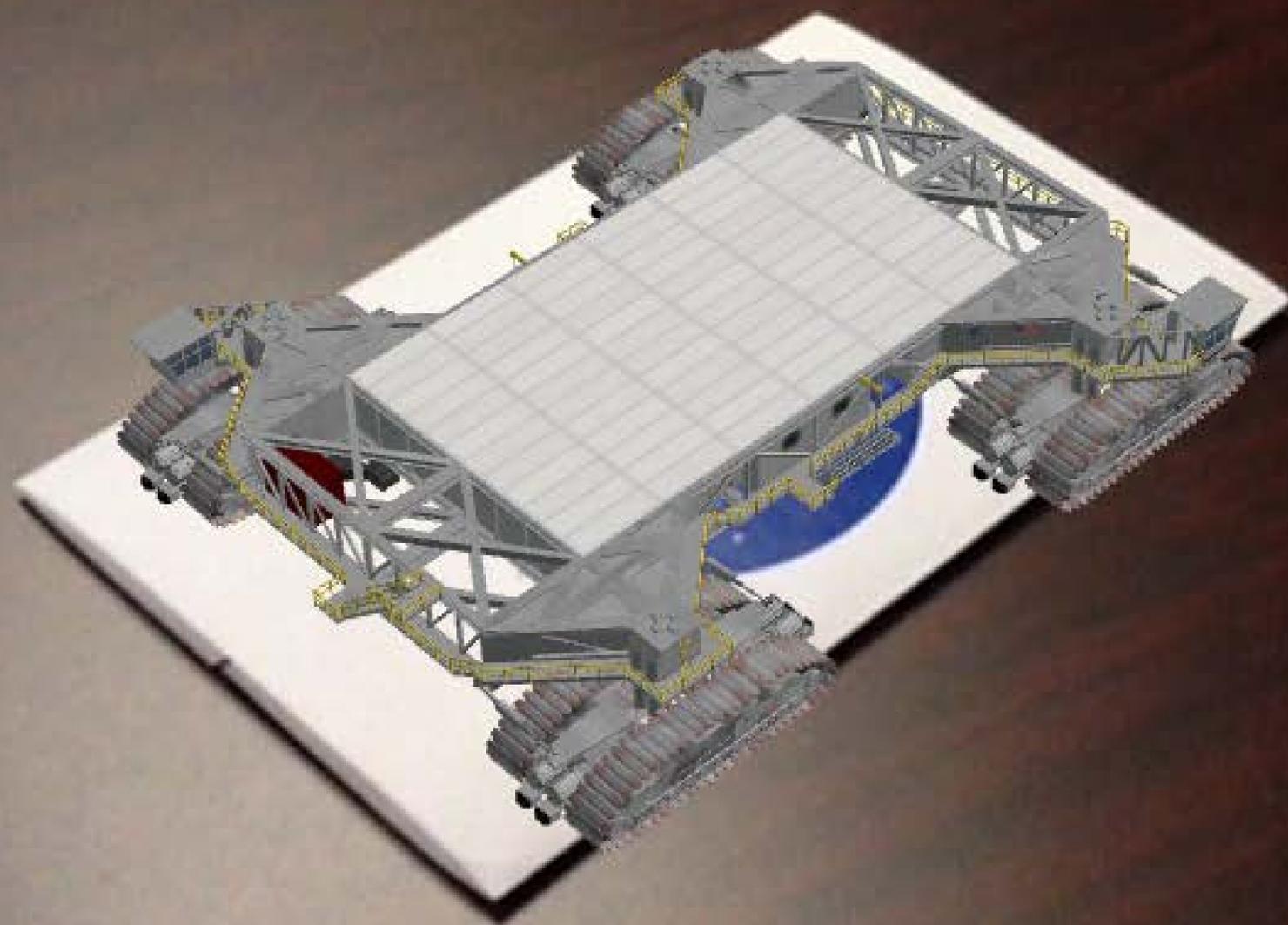
CRAWLER-TRANSPORTER

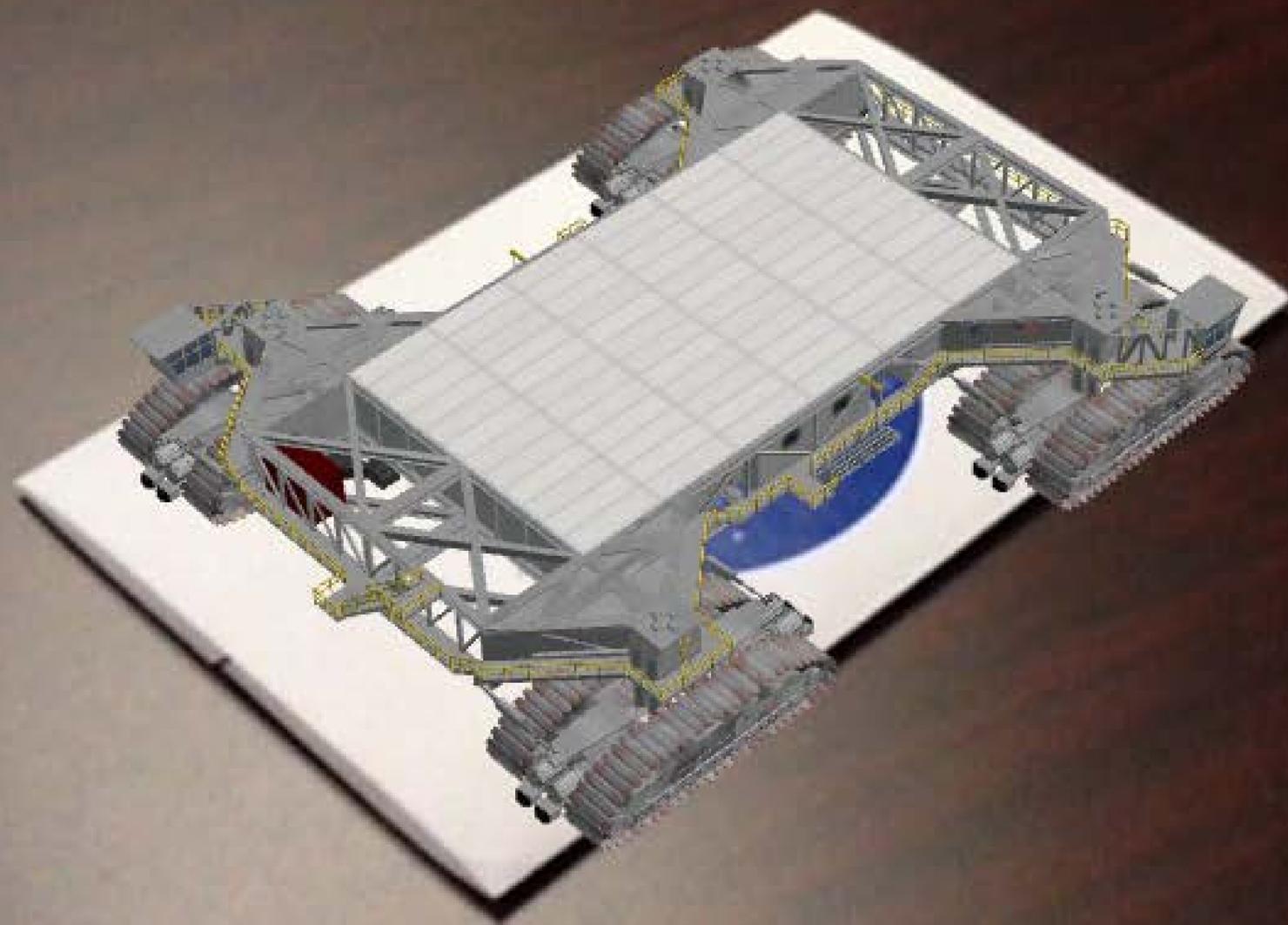
TOWER (MLP)

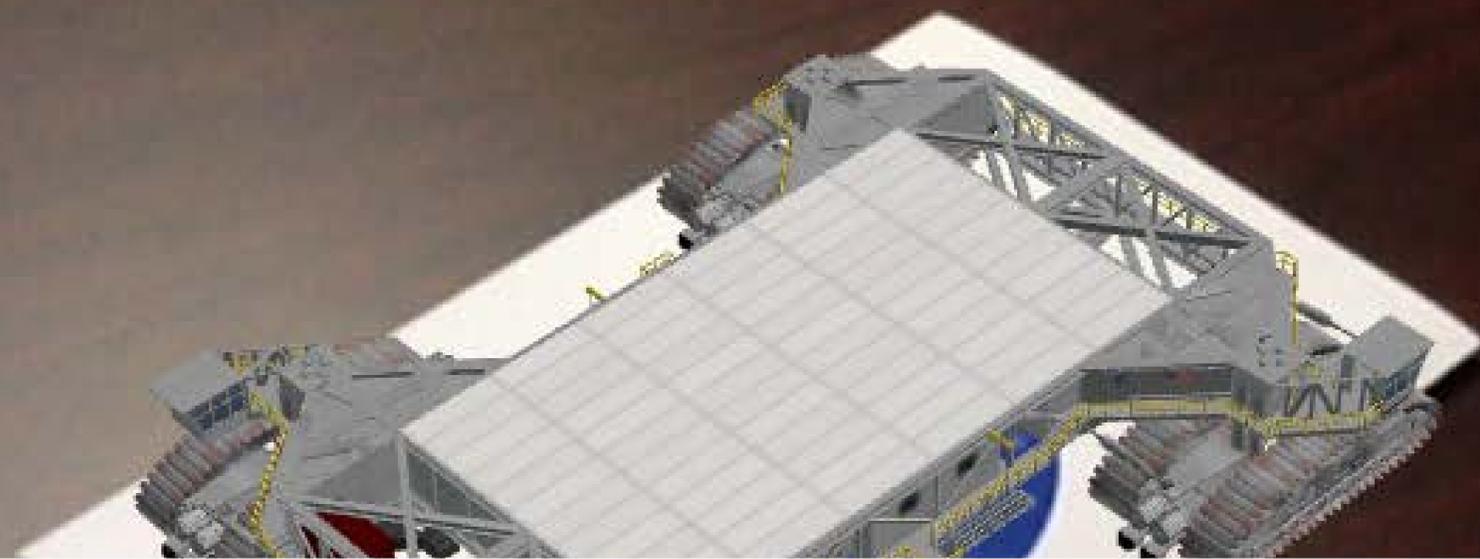
SPACE LAUNCH SYSTEM

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LAUNCH THE ROCKET

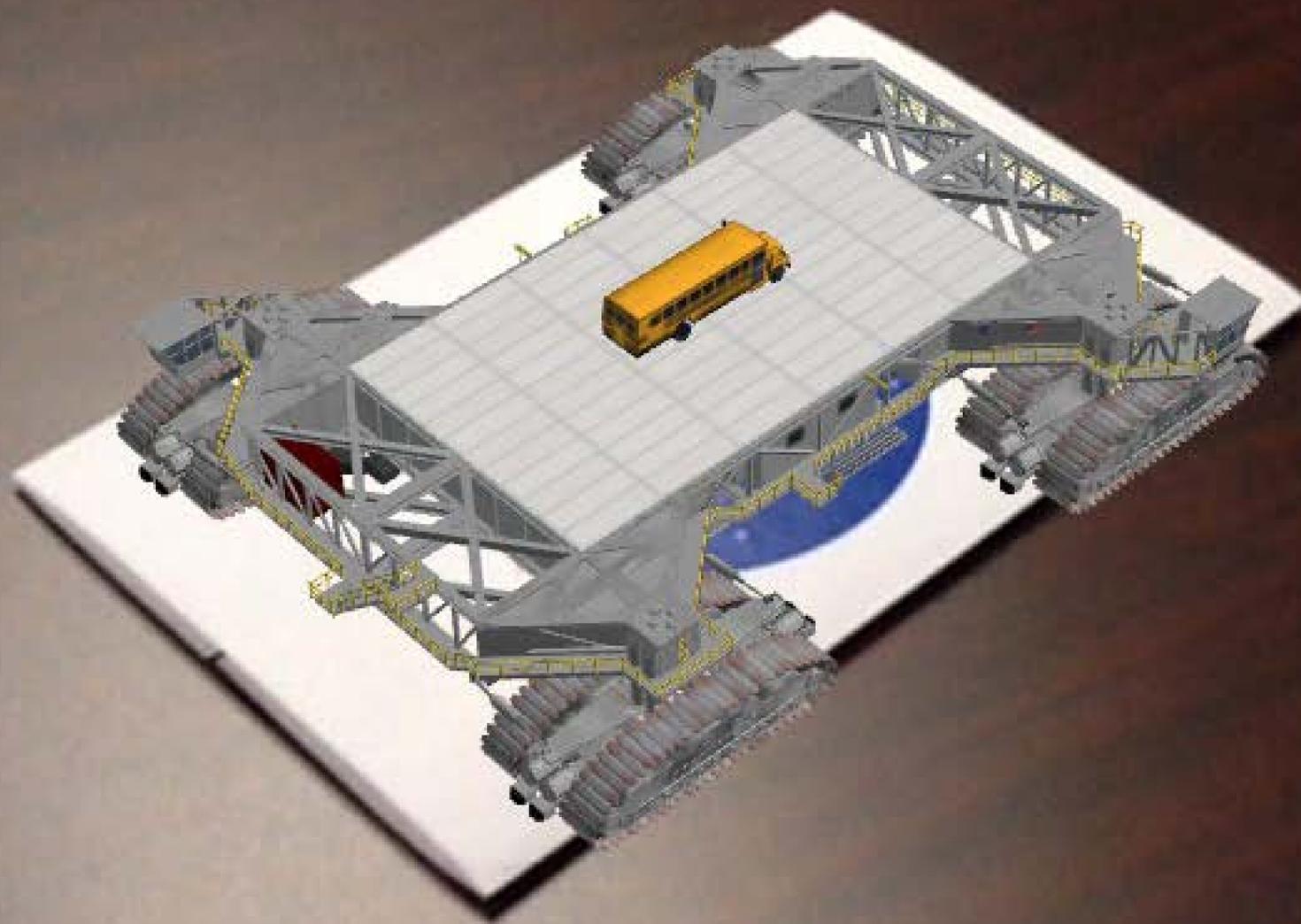


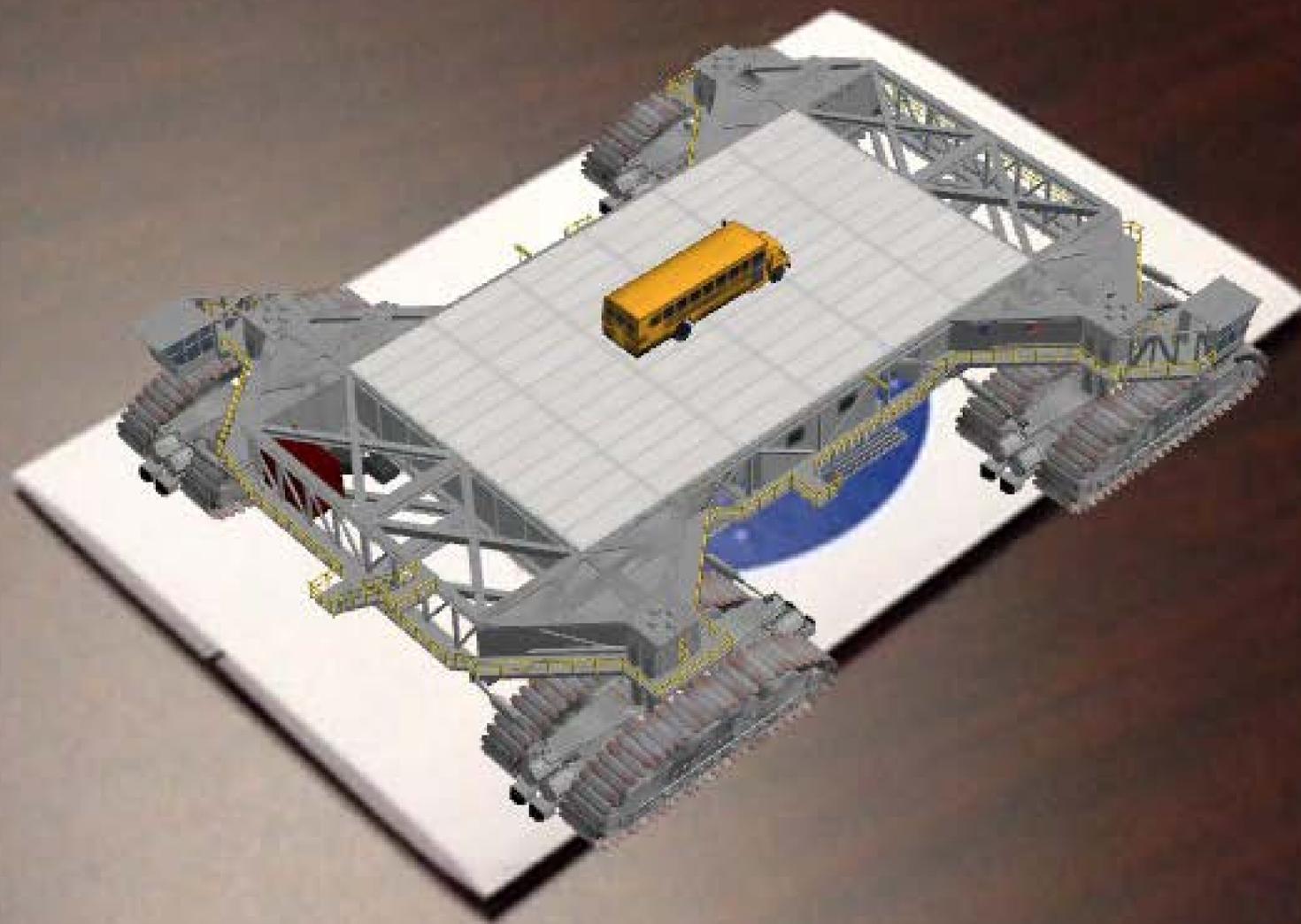




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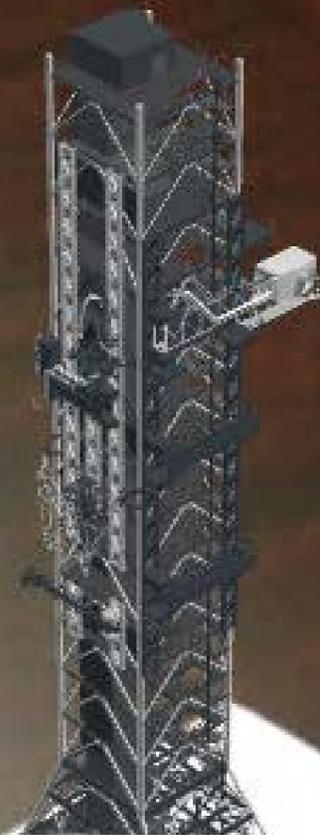


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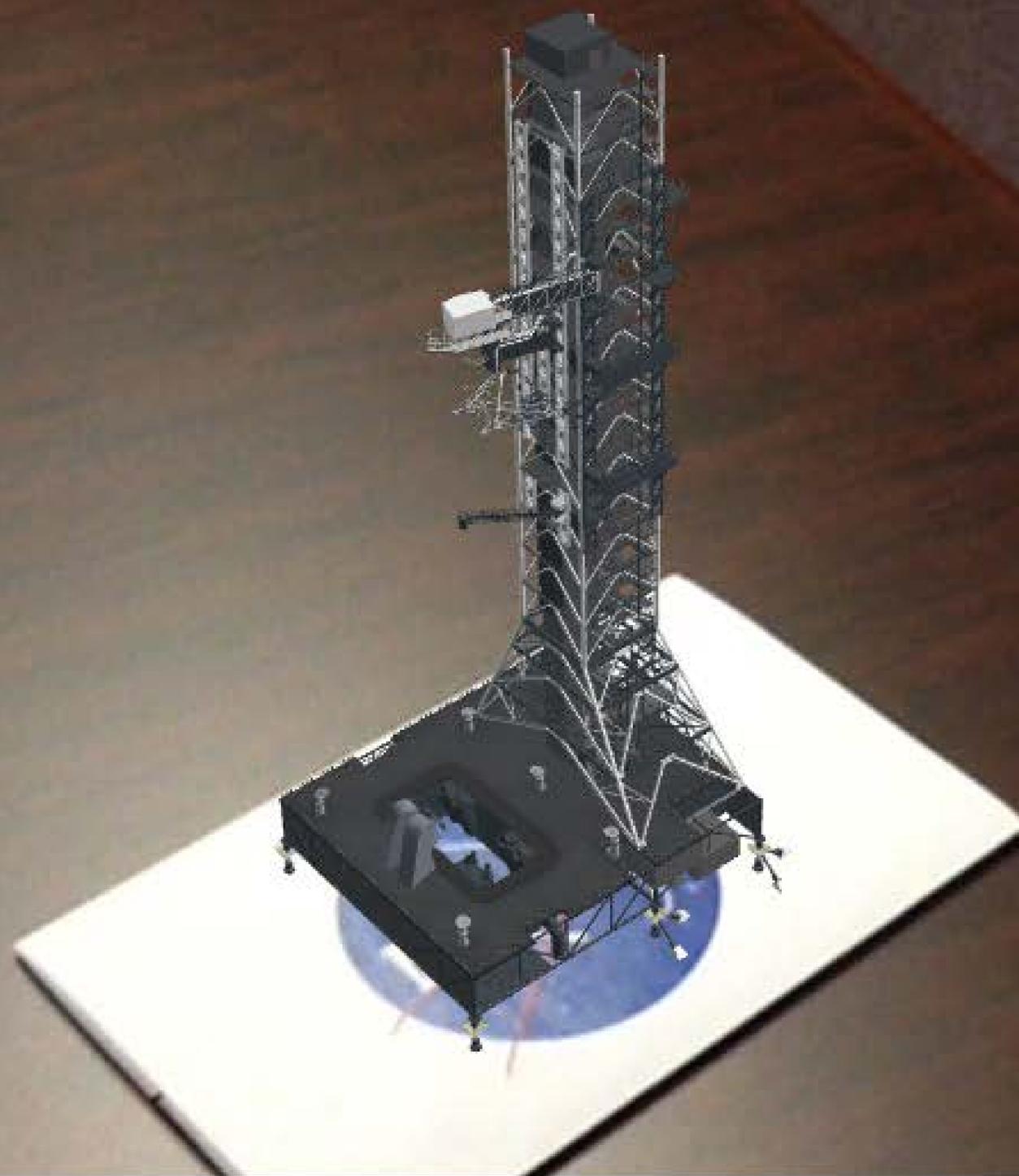


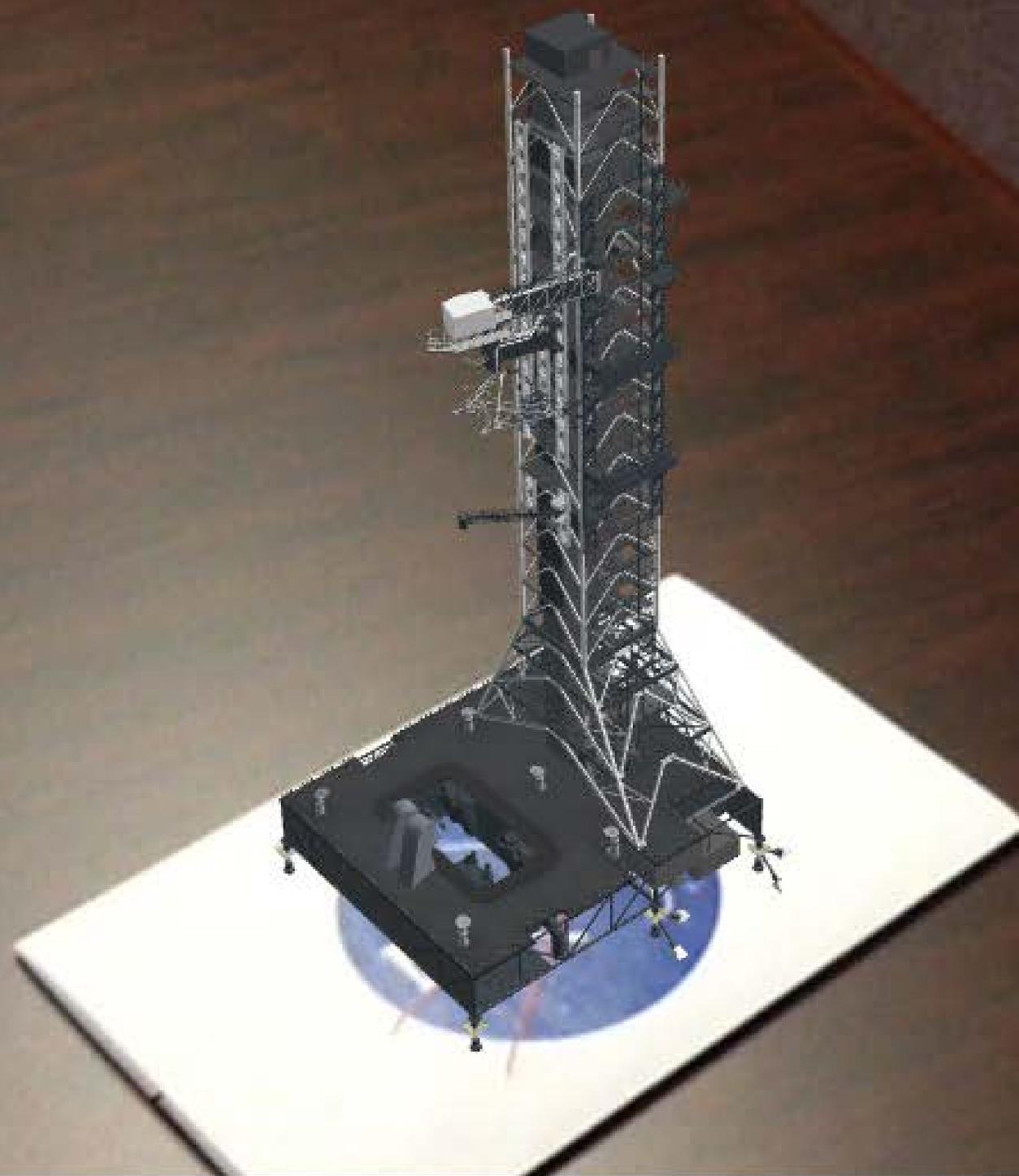




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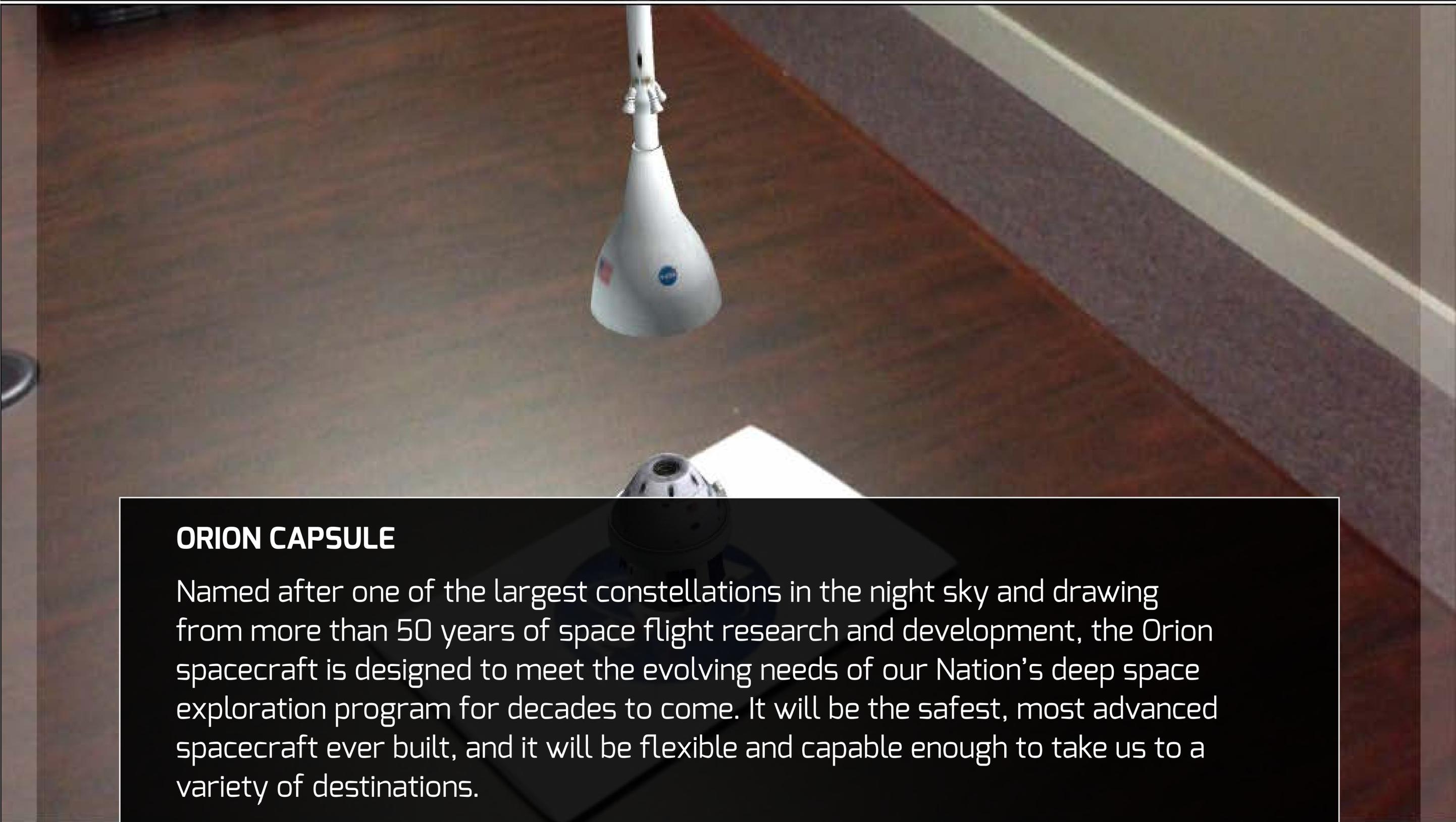


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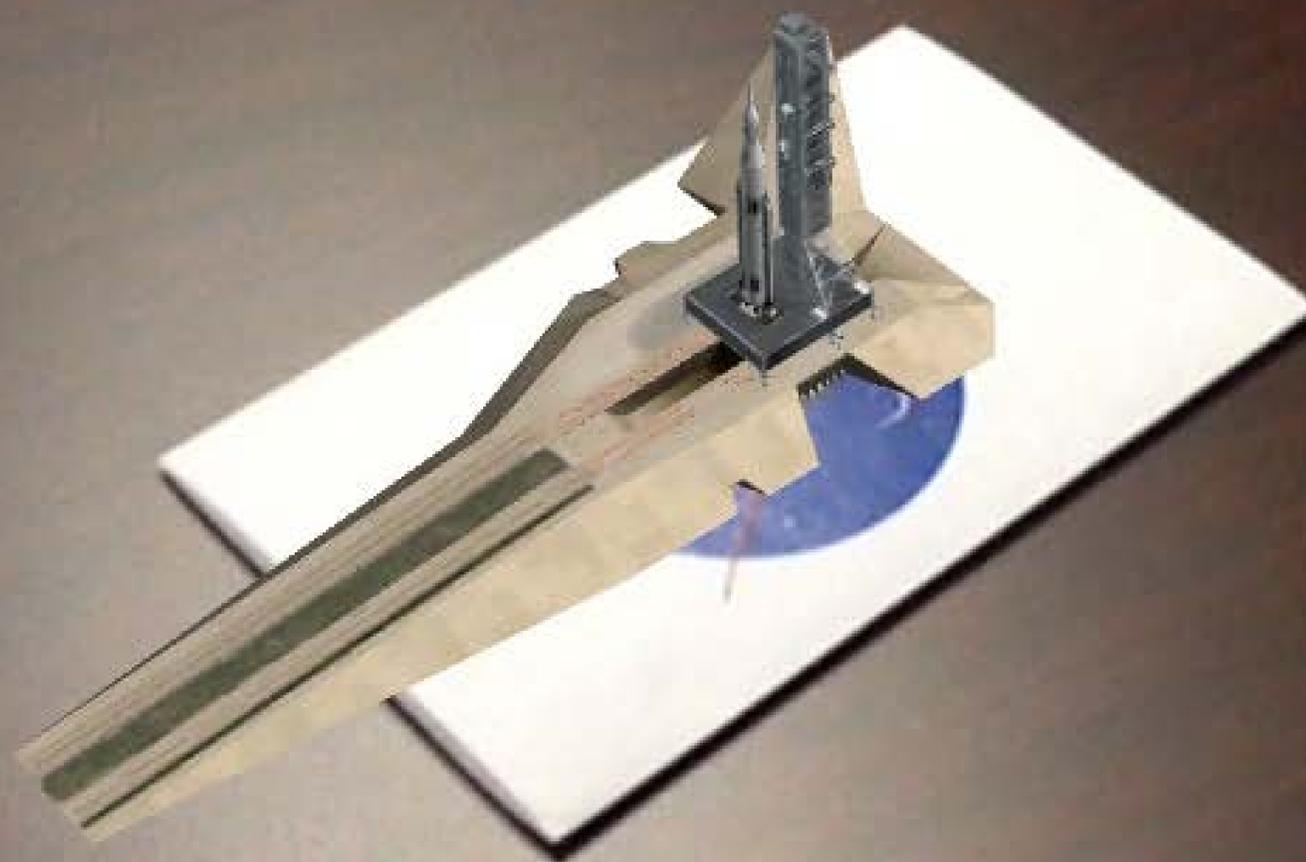


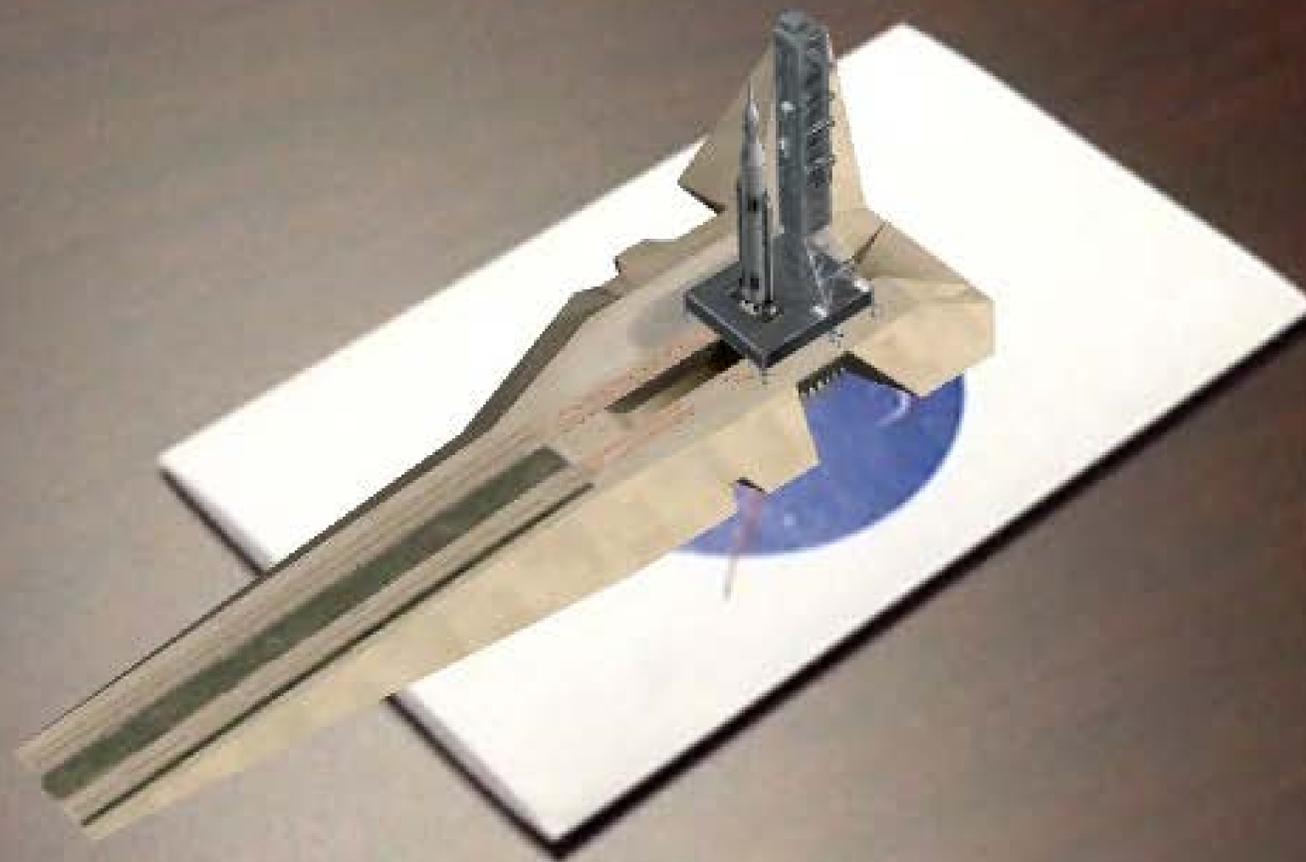


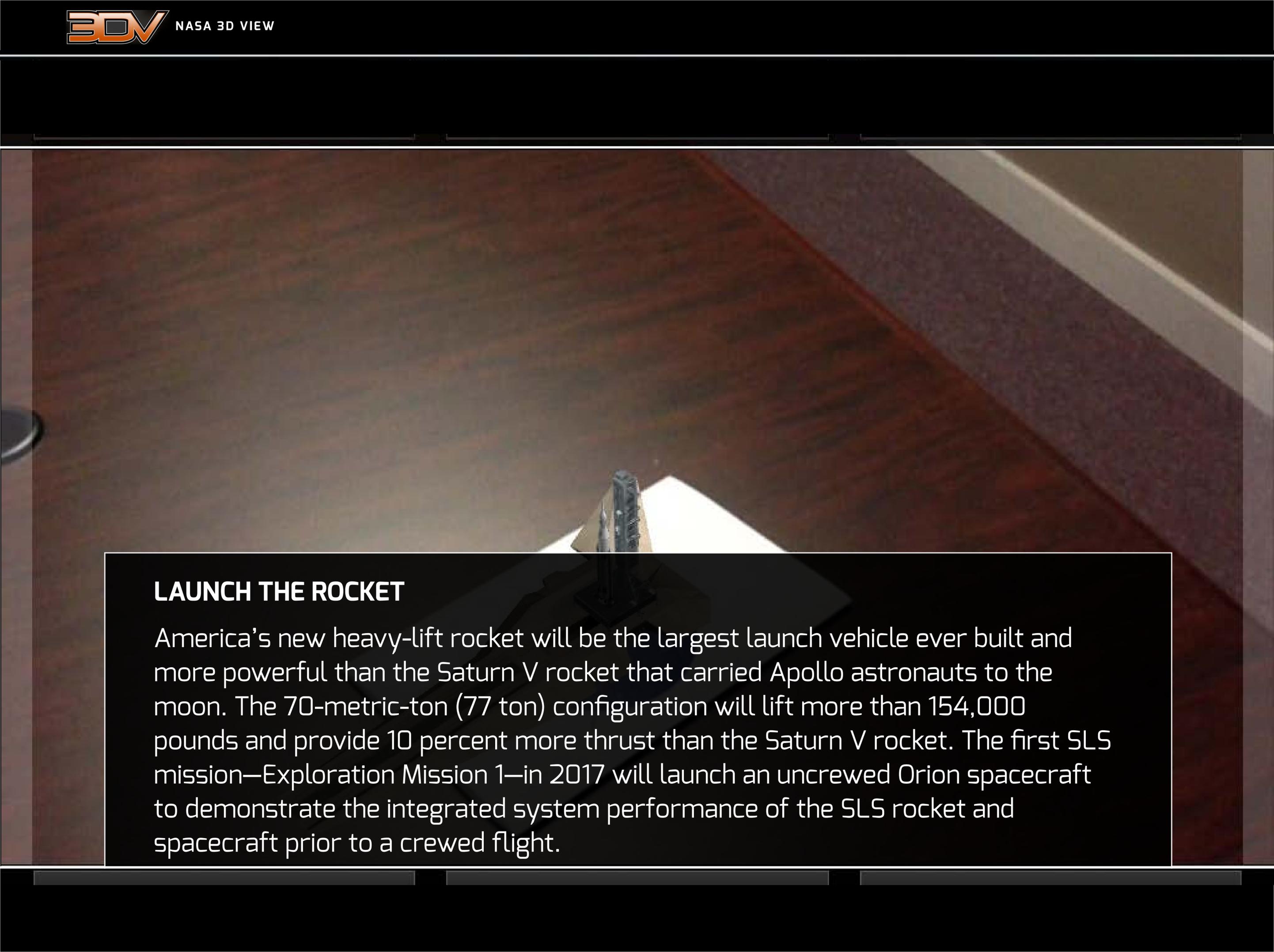


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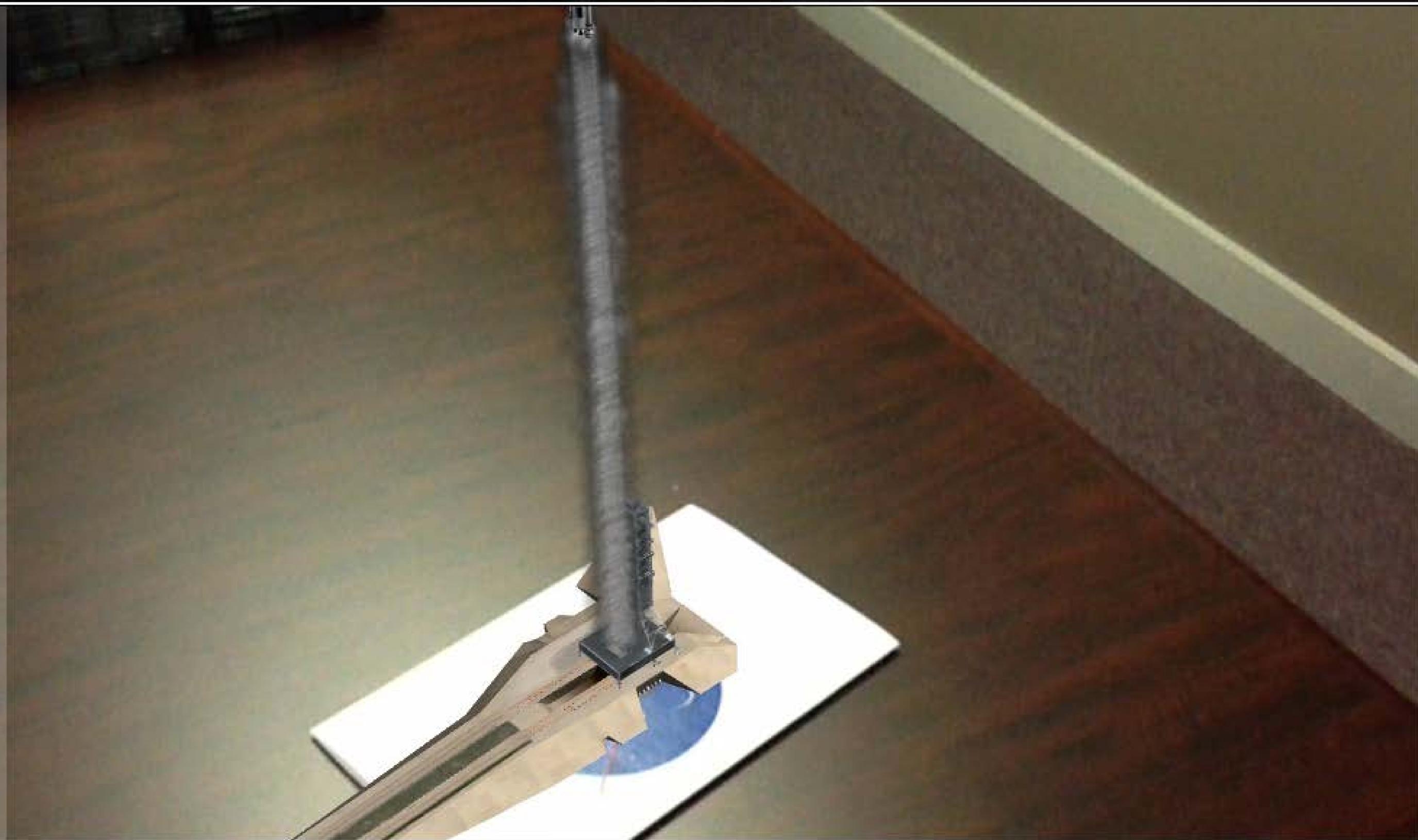


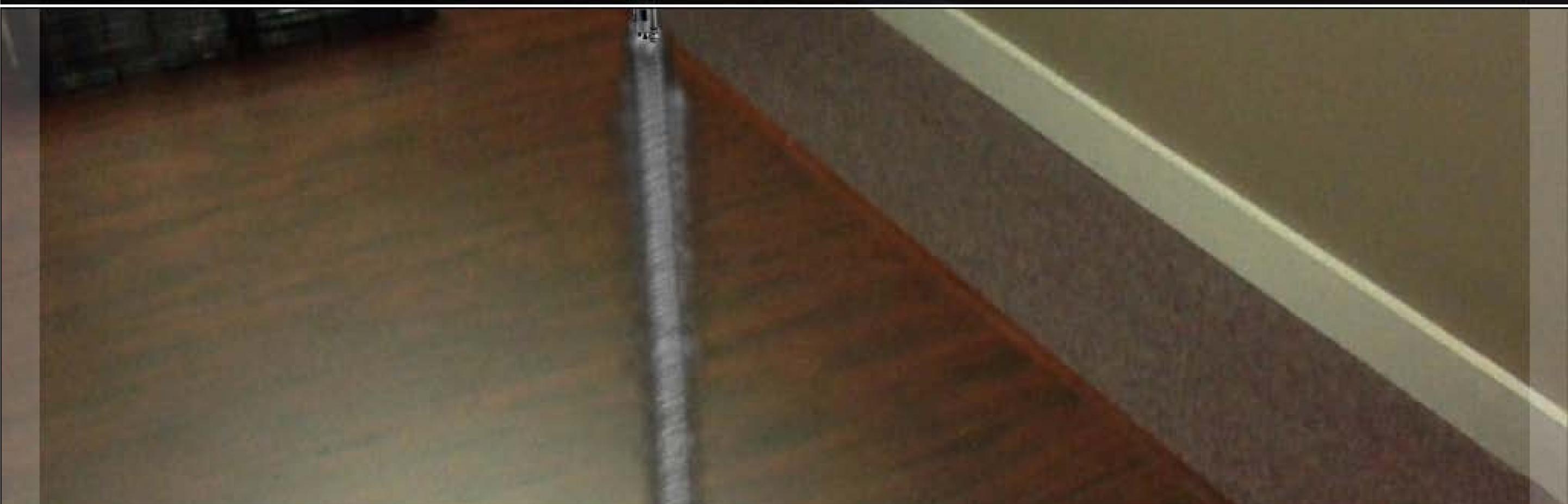


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