

A low-angle photograph of a massive mobile launcher structure under construction. The structure is composed of a complex lattice of white and yellow metal beams. A large, cylindrical component, likely the Orion Umbilical Line, is suspended in the air by cables, positioned to be installed into the structure. The sky is a clear, bright blue. A blue banner with white text is overlaid at the bottom of the image.

Orion Umbilical Line Installed on Mobile Launcher

1

00:00:00,540 --> 00:00:07,140

Hi, I'm NASA Kennedy's Sarah McNulty and I'm taking you Inside KSC!

2

00:00:09,050 --> 00:00:14,080

The next cargo resupply mission to the International Space Station is nearly ready for launch.

3

00:00:14,089 --> 00:00:19,170

The Orbital ATK Cygnus spacecraft is sealed inside its protective payload fairing.

4

00:00:19,170 --> 00:00:24,020

Early in the morning March 17, the fairing left Kennedy Space Center's Payload Hazardous

5

00:00:24,020 --> 00:00:29,400

Servicing Facility and traveled to the Vertical Integration Facility at Space Launch Complex

6

00:00:29,400 --> 00:00:31,950

41 on Cape Canaveral Air Force Station.

7

00:00:31,950 --> 00:00:37,010

Then it was lifted into place atop the United Launch Alliance Atlas V rocket.

8

00:00:37,010 --> 00:00:42,670

The Cygnus module will carry more than 7,600 pounds of science research, crew supplies

9

00:00:42,670 --> 00:00:48,800

and hardware to the orbiting laboratory on Orbital ATK CRS-7.

10

00:00:48,800 --> 00:00:53,329

An umbilical line that will provide critical utilities for the Orion spacecraft is now

11

00:00:53,329 --> 00:00:55,870
in place on the mobile launch tower.

12

00:00:55,870 --> 00:01:00,920
From its location about 280 feet up on the
tower, the Orion Service Module Umbilical

13

00:01:00,920 --> 00:01:06,010
will transfer liquid coolant for the electronics
and air to the Orion service module for use

14

00:01:06,010 --> 00:01:08,000
on the Environmental Control System.

15

00:01:08,000 --> 00:01:11,790
The tower will be equipped with several umbilical
lines that will connect to the Space Launch

16

00:01:11,790 --> 00:01:15,080
System rocket and Orion spacecraft for Exploration
Mission-1.

17

00:01:15,080 --> 00:01:19,300
EM-1 is scheduled to launch in 2018.