



**INSIDE
▶▶ KSC!**

1

00:00:00,479 --> 00:00:07,690

Hi I'm NASA Kennedy's Gabriela Escalera and I'm taking you Inside KSC.

2

00:00:07,690 --> 00:00:12,549

Senior leaders at NASA's Kennedy Space Center in Florida got an up-close look at a new model

3

00:00:12,549 --> 00:00:16,589

that will be utilized in future International Space Station missions.

4

00:00:16,589 --> 00:00:21,769

They viewed a mockup of the cargo logistics module for Sierra Nevada Corporation's Dream

5

00:00:21,769 --> 00:00:26,160

Chaser, the company's reusable spacecraft, in the high bay of the Space Station Processing

6

00:00:26,160 --> 00:00:28,980

Facility, or SSPF.

7

00:00:28,980 --> 00:00:33,250

Dream Chaser will provide cargo delivery, return and disposal service for the space

8

00:00:33,250 --> 00:00:37,670

station under the Commercial Resupply Services 2 contract.

9

00:00:37,670 --> 00:00:42,370

The SSPF is providing support for current and future NASA and commercial provider programs.

10

00:00:42,370 --> 00:00:46,710

This includes the Artemis program, which will return astronauts to the lunar surface by

11

00:00:46,710 --> 00:00:47,710
2024.

12
00:00:47,710 --> 00:00:52,860
NASA will establish a sustainable human presence on the Moon by 2028, with the goal of sending

13
00:00:52,860 --> 00:00:55,289
humans to Mars.

14
00:00:55,289 --> 00:01:00,160
NASA is making major strides in developing technology to convert trash and human waste

15
00:01:00,160 --> 00:01:04,070
into gases such as methane, hydrogen and carbon dioxide.

16
00:01:04,070 --> 00:01:08,330
The team is expected to complete flight hardware production for the Orbital Syngas Commodity

17
00:01:08,330 --> 00:01:11,890
Augmentation Reactor, or OSCAR, in the coming days.

18
00:01:11,890 --> 00:01:17,080
OSCAR is an Early Career Initiative project that is advancing new and innovative technology

19
00:01:17,080 --> 00:01:18,700
for managing waste in space.

20
00:01:18,700 --> 00:01:23,450
OSCAR's purpose is to reduce the amount of logistics needed for long duration, deep

21
00:01:23,450 --> 00:01:24,450
space missions.

