

NASA's Commercial Lunar Payload Services Overview



1
00:00:05,630 --> 00:00:03,889
NASA is going back to the moon this time

2
00:00:07,789 --> 00:00:05,640
to stay

3
00:00:10,570 --> 00:00:07,799
with Artemis we're building on more than

4
00:00:14,150 --> 00:00:10,580
50 years of experience and preparation

5
00:00:16,070 --> 00:00:14,160
like all of NASA's missions we go to

6
00:00:18,769 --> 00:00:16,080
better understand the universe and our

7
00:00:23,390 --> 00:00:20,570
through the commercial lunar payload

8
00:00:25,189 --> 00:00:23,400
Services initiative NASA is buying lunar

9
00:00:28,429 --> 00:00:25,199
delivery services from American

10
00:00:30,650 --> 00:00:28,439
companies working with more than a dozen

11
00:00:34,370 --> 00:00:30,660
clipped providers to rapidly expand the

12
00:00:36,709 --> 00:00:34,380
lunar economy and explore the moon NASA

13
00:00:39,830 --> 00:00:36,719

is enabling new approaches and

14

00:00:41,709 --> 00:00:39,840

Innovation the payloads we're sending

15

00:00:44,330 --> 00:00:41,719

Advanced capabilities for science

16

00:00:47,330 --> 00:00:44,340

exploration and Commercial development

17

00:00:51,950 --> 00:00:49,729

science investigations and Technology

18

00:00:54,350 --> 00:00:51,960

demonstrations will help NASA study

19

00:00:56,869 --> 00:00:54,360

Earth's nearest neighbor under Artemis

20

00:00:58,910 --> 00:00:56,879

preparing us for human missions to the

21

00:01:01,250 --> 00:00:58,920

lunar surface

22

00:01:03,170 --> 00:01:01,260

a robot to hunt for water ice on the

23

00:01:04,549 --> 00:01:03,180

moon's South Pole

24

00:01:06,649 --> 00:01:04,559

[Music]

25

00:01:10,730 --> 00:01:06,659

our radio receiver system to test

26

00:01:12,950 --> 00:01:10,740

antenna response on the lunar surface

27

00:01:15,410 --> 00:01:12,960

a unique mirror to measure distance

28

00:01:17,870 --> 00:01:15,420

mounted to the Lander to determine the

29

00:01:21,050 --> 00:01:17,880

Lander's position

30

00:01:23,210 --> 00:01:21,060

a robotic Rover to autonomously navigate

31

00:01:27,190 --> 00:01:23,220

without needing to communicate with

32

00:01:29,929 --> 00:01:27,200

Earth in real time and many others

33

00:01:32,749 --> 00:01:29,939

as we get ready for a new era of

34

00:01:34,730 --> 00:01:32,759

exploration and Discovery NASA's Artemis

35

00:01:37,130 --> 00:01:34,740

missions will land the first woman and

36

00:01:41,210 --> 00:01:37,140

first person of color on the moon and

37

00:01:46,490 --> 00:01:43,190

what we learn on the moon will prepare