
NASA SELECTS
NEW HUMAN
LANDING SYSTEMS
Bringing Astronauts to the Lunar Surface

1
00:00:00,440 --> 00:00:05,820
Apollo lead the way to the moon and we, the
Artemis Generation are going there to stay.

2
00:00:05,820 --> 00:00:11,009
Those of us in blue flight suits, the start
of the Artemis-generation of astronauts, could

3
00:00:11,009 --> 00:00:16,610
not be more excited about contributing to
our nation's goal of putting the first woman

4
00:00:16,610 --> 00:00:20,490
and next man on the lunar surface by 2024.

5
00:00:20,490 --> 00:00:28,530
We at NASA have been partnering with US industry
in order to achieve the best of what each

6
00:00:28,530 --> 00:00:30,539
organizations bring.

7
00:00:30,539 --> 00:00:36,130
So without further ado, the companies are
SpaceX.

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00:00:36,130 --> 00:00:41,350
The SpaceX design is a single-stage solution
using their starship.

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00:00:41,350 --> 00:00:49,080
The SpaceX proposal included in-space propellant transfer demonstration and uncrewed test landing.

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00:00:49,080 --> 00:00:56,620
The second company is Dynetics and Dynetics has many partners that they will be working with.

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00:00:56,620 --> 00:01:05,040
It also has a very unique low-slung crew module,
putting the crew very close to the lunar surface

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00:01:05,040 --> 00:01:07,680
for transfer and access.

13
00:01:07,680 --> 00:01:15,800
Dynetics will perform a demonstration flight to verify key capabilities for its lander system.

14
00:01:15,880 --> 00:01:22,140
And the third team is the national team with
Blue Origin as the prime.

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00:01:22,140 --> 00:01:31,160
The team's design is a three-stage architecture consisting of an ascent, descent, and transfer elements.

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00:01:31,520 --> 00:01:38,240
With this diverse set of architectures, NASA
is confident in our nation's ability to perform

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00:01:38,240 --> 00:01:39,770
the Artemis missions.

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00:01:39,770 --> 00:01:44,810
For landing on the Moon in 2024, will be the most dangerous and complex flying task attempted

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00:01:44,810 --> 00:01:51,020
by humans in more than 50 years and it's only
been done six times ever.

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00:01:51,020 --> 00:01:55,120
That's why we're so excited about how to learn
how to fly these landers so we can make that