



Space Launch Complex 41 (SLC-41)

1
00:00:00,030 --> 00:00:13,240
liftoff in five four three two one zero

2
00:00:18,560 --> 00:00:16,210
this is the white flight control room

3
00:00:20,689 --> 00:00:18,570
this is one of several control rooms

4
00:00:23,090 --> 00:00:20,699
that we use here to interact with the

5
00:00:24,980 --> 00:00:23,100
astronauts while they're in space we are

6
00:00:26,960 --> 00:00:24,990
sitting inside Boeing's mission

7
00:00:28,759 --> 00:00:26,970
simulator part of the realistic

8
00:00:31,700 --> 00:00:28,769
atmosphere is you may hear reaction

9
00:00:33,920 --> 00:00:31,710
control jets firing as technology

10
00:00:37,670 --> 00:00:33,930
advances on earth it does in space as

11
00:00:39,889 --> 00:00:37,680
well a touchscreen has never been used

12
00:00:42,049 --> 00:00:39,899
on a spacecraft as a major instrument in

13
00:00:44,990 --> 00:00:42,059

the past and it certainly is a modern

14

00:00:47,959 --> 00:00:45,000

approach this is a simulator of the crew

15

00:00:51,020 --> 00:00:47,969

dragon with a fully functioning avionics

16

00:00:53,240 --> 00:00:51,030

system inside here the trainers and

17

00:00:56,569 --> 00:00:53,250

astronauts will be able to walk through

18

00:01:00,110 --> 00:00:56,579

an entire cycle of suiting up climbing

19

00:01:02,450 --> 00:01:00,120

on board getting seated strapping in and

20

00:01:06,560 --> 00:01:02,460

walking through the entire check-out

21

00:01:08,679 --> 00:01:06,570

launch and orbital procedures you might

22

00:01:10,910 --> 00:01:08,689

recognize this it's a falcon core stage

23

00:01:14,359 --> 00:01:10,920

they're used for both the Falcon nines

24

00:01:16,070 --> 00:01:14,369

and the Falcon Heavy rocket all SpaceX

25

00:01:18,380 --> 00:01:16,080

Rockets are designed and built at their

26
00:01:20,240 --> 00:01:18,390
headquarters in California before being

27
00:01:22,640 --> 00:01:20,250
transported to the rocket development

28
00:01:24,710 --> 00:01:22,650
facility in regret or Texas for engine

29
00:01:26,539 --> 00:01:24,720
testing and then finally here to the

30
00:01:28,940 --> 00:01:26,549
Kennedy Space Center or to another

31
00:01:30,440 --> 00:01:28,950
SpaceX launch site we're out here at

32
00:01:31,460 --> 00:01:30,450
slick 41 now where they're in the

33
00:01:33,230 --> 00:01:31,470
process right now of making

34
00:01:35,510 --> 00:01:33,240
modifications to be ready for commercial

35
00:01:36,859 --> 00:01:35,520
crew launches one of the things we had

36
00:01:39,109 --> 00:01:36,869
in mind when we selected two partners

37
00:01:41,539 --> 00:01:39,119
was diversity diversity of thought

38
00:01:43,700 --> 00:01:41,549

opinion approach perspective execution

39

00:01:45,020 --> 00:01:43,710

and innovation Boeing and SpaceX are

40

00:01:47,240 --> 00:01:45,030

doing things differently and we love

41

00:01:49,639 --> 00:01:47,250

that for Boeing they wanted to focus on

42

00:01:51,800 --> 00:01:49,649

creating an amazing space capsule and so

43

00:01:53,600 --> 00:01:51,810

they're working to flout top of a proven

44

00:01:55,969 --> 00:01:53,610

rocket they're working with United

45

00:01:58,310 --> 00:01:55,979

Launch Alliance or ula to fly on top of

46

00:02:00,230 --> 00:01:58,320

the Atlas 5 we've discovered that beam

47

00:02:03,109 --> 00:02:00,240

under water is a great way to simulate

48

00:02:04,389 --> 00:02:03,119

working in space the movements in both

49

00:02:07,270 --> 00:02:04,399

locations are

50

00:02:10,029 --> 00:02:07,280

and methodical you have the ability to

51

00:02:12,460 --> 00:02:10,039

move in any direction and you're able to

52

00:02:15,820 --> 00:02:12,470

practice doing pull operations in real

53

00:02:18,100 --> 00:02:15,830

space suits those giant structures you