1
00:00:05,090 --> 00:00:02,750
the x-57 Maxwell reached another

2
00:00:07,550 --> 00:00:05,100
Milestone towards the first test flight

3
00:00:09,410 --> 00:00:07,560
with the successful installation of

4
00:00:11,990 --> 00:00:09,420
battery packs in the cabin of the

5
00:00:14,150 --> 00:00:12,000
aircraft these commercial Lithium-ion

6
00:00:16,970 --> 00:00:14,160
batteries are secured in custom

7
00:00:19,849 --> 00:00:16,980
lightweight cases that were extensively

8
00:00:21,890 --> 00:00:19,859
tested for safety and so the process is

9
00:00:25,250 --> 00:00:21,900
pretty much based on pretty much working

10
00:00:27,589 --> 00:00:25,260
from the left side of the aircraft to

11
00:00:30,890 --> 00:00:27,599
the right side and putting the battery

12
00:00:33,229 --> 00:00:30,900
modules in conecological order the

13
00:00:35,450 --> 00:00:33,239

purpose of having the batteries fully

14
00:00:37,549 --> 00:00:35,460
integrated into the aircraft and

15
00:00:39,590 --> 00:00:37,559
spinning Motors off of battery power is

16
00:00:41,389 --> 00:00:39,600
to let us know if we're ready for flight

17
00:00:44,030 --> 00:00:41,399
upon completion of the battery

18
00:00:47,569 --> 00:00:44,040
installation the crew successfully

19
00:00:50,389 --> 00:00:47,579
tested x57's Motors spinning off onboard

20
00:00:53,090 --> 00:00:50,399
battery power the motors had previously

21
00:00:55,610 --> 00:00:53,100
spun but were drawing energy from the

22
00:00:58,430 --> 00:00:55,620
facility power or the batteries outside

23
00:01:00,470 --> 00:00:58,440
the aircraft operation with the battery

24
00:01:02,689 --> 00:01:00,480
system installed is an important

25
00:01:05,210 --> 00:01:02,699
breakthrough since it is the first time

26
00:01:06,770 --> 00:01:05,220
that the aircraft is capable of taxing

27
00:01:09,469 --> 00:01:06,780
and flight

28
00:01:11,450 --> 00:01:09,479
prior to the motor spin test the cruise

29
00:01:14,810 --> 00:01:11,460
Motors and cruise motor controllers

30
00:01:17,750 --> 00:01:14,820
underwent random vibration testing in

31
00:01:19,670 --> 00:01:17,760
this configuration we're shaking the CMC

32
00:01:22,130 --> 00:01:19,680
or Cruise motor controller in the z-axis

33
00:01:23,690 --> 00:01:22,140
that's up and down and that way we can

34
00:01:25,190 --> 00:01:23,700
see if anything is going to come loose

35
00:01:27,050 --> 00:01:25,200
if we're going to have any problems with

36
00:01:28,490 --> 00:01:27,060
the unit whatsoever once again just to

37
00:01:31,730 --> 00:01:28,500
know that this unit is safe for flight

38
00:01:34,130 --> 00:01:31,740

in the coming weeks the x57 aircraft in

39
00:01:36,590 --> 00:01:34,140
the mod 2 configuration will begin a

40
00:01:38,929 --> 00:01:36,600
series of test flights each flight will

41
00:01:40,850 --> 00:01:38,939
expand upon the other with data

42
00:01:43,670 --> 00:01:40,860
collected to understand aircraft

43
00:01:46,850 --> 00:01:43,680
operation and performance the primary

44
00:01:49,069 --> 00:01:46,860
goal of the x-57 project is to share the

45
00:01:52,069 --> 00:01:49,079
aircraft's electric propulsion Focus

46
00:01:54,770 --> 00:01:52,079
design and airworthiness process and

47
00:01:56,929 --> 00:01:54,780
Technology with regulators and Industry

48
00:01:59,149 --> 00:01:56,939
which will advance certification

49
00:02:01,789 --> 00:01:59,159
approaches for distributed electric