



1  
00:00:03,830 --> 00:00:02,510  
NASA marked two major milestones in the

2  
00:00:06,380 --> 00:00:03,840  
effort to develop the agency's first

3  
00:00:09,290 --> 00:00:06,390  
crude explain in two decades the

4  
00:00:10,879 --> 00:00:09,300  
all-electric x57 maxwell which will fly

5  
00:00:13,339 --> 00:00:10,889  
to demonstrate the benefits of using

6  
00:00:15,740 --> 00:00:13,349  
distributed electric propulsion at this

7  
00:00:17,930 --> 00:00:15,750  
point throttle and idle right motor area

8  
00:00:19,970 --> 00:00:17,940  
clear progress is being made in the

9  
00:00:21,859 --> 00:00:19,980  
vehicle's initial transformation into an

10  
00:00:24,890 --> 00:00:21,869  
electric aircraft the phase of the

11  
00:00:26,779 --> 00:00:24,900  
project known as mod 2 engineers for the

12  
00:00:28,339 --> 00:00:26,789  
first time installed and tested both

13  
00:00:30,740 --> 00:00:28,349

electric cruise motors with their

14

00:00:33,590 --> 00:00:30,750

propellers at the same time Earth

15

00:00:35,090 --> 00:00:33,600

powdered stable at 400 the spin test

16

00:00:37,700 --> 00:00:35,100

verified that the motors and propellers

17

00:00:40,490 --> 00:00:37,710

operated as expected under significant

18

00:00:41,930 --> 00:00:40,500

amounts of power these tests performed

19

00:00:44,569 --> 00:00:41,940

at skilled composites in Mojave

20

00:00:46,910 --> 00:00:44,579

California precede delivery of the mod

21

00:00:49,220 --> 00:00:46,920

to vehicle itself to NASA where it will

22

00:00:52,910 --> 00:00:49,230

undergo verification taxi tests and

23

00:00:55,010 --> 00:00:52,920

ultimately or flight tests back it in

24

00:00:57,020 --> 00:00:55,020

there lift it up he can drive out like

25

00:00:58,130 --> 00:00:57,030

the original plan set it right back down

26

00:00:59,990 --> 00:00:58,140

like we make the plan

27

00:01:01,970 --> 00:01:00,000

while the mod 2 vehicle continues to

28

00:01:03,709 --> 00:01:01,980

take shape NASA's team lays the

29

00:01:07,429 --> 00:01:03,719

groundwork for the project's next phase

30

00:01:09,590 --> 00:01:07,439

mod 3 the mod 3 wing was delivered by

31

00:01:11,929 --> 00:01:09,600

empirical system to aerospace to NASA's

32

00:01:13,190 --> 00:01:11,939

Armstrong Flight Research Center where

33

00:01:15,890 --> 00:01:13,200

it is undergoing weight and balance

34

00:01:18,230 --> 00:01:15,900

measurement ground vibration testing and

35

00:01:20,390 --> 00:01:18,240

wing loading tests to verify the wing

36

00:01:21,830 --> 00:01:20,400

specification this wing won't fly for a

37

00:01:23,359 --> 00:01:21,840

couple years we're integrating our

38

00:01:26,380 --> 00:01:23,369

electric system into the wing and then

39

00:01:29,179 --> 00:01:26,390

it will fly on our on our x57 aircraft

40

00:01:31,370 --> 00:01:29,189

and what we call the mod 3 configuration

41

00:01:33,289 --> 00:01:31,380

at the same time we've got our mod 2

42

00:01:35,899 --> 00:01:33,299

integration happening where we've got

43

00:01:37,490 --> 00:01:35,909

the original low aspect ratio wing being

44

00:01:39,710 --> 00:01:37,500

integrated with our electric motors and

45

00:01:40,880 --> 00:01:39,720

battery system and that's happening just