

An aerial view of a city at dusk, featuring a prominent skyscraper with a golden spire. A futuristic blue aircraft with glowing lights is flying over the city, leaving a trail of light. The sky is filled with soft, colorful clouds. The hashtag #CONNECTEDBYEARTH is overlaid in the center of the image.

#CONNECTEDBYEARTH

1
00:00:00,140 --> 00:00:05,680
Whether it is traveling for
work or for vacations or

2
00:00:05,680 --> 00:00:08,800
getting things delivered,
Aeronautics plays a role in

3
00:00:08,800 --> 00:00:12,240
that. And so one of the things
we're looking at is called

4
00:00:12,240 --> 00:00:16,160
advanced air mobility. That is
an air taxi that would be able

5
00:00:16,160 --> 00:00:20,720
to commute. The idea is from like
a rooftop downtown into a

6
00:00:20,720 --> 00:00:24,560
neighboring suburbs or to the
airport and be able to reduce

7
00:00:24,560 --> 00:00:29,200
your commute time as well as do
it fully on battery power. In

8
00:00:29,200 --> 00:00:31,020
addition to that, we're
developing some new

9
00:00:31,020 --> 00:00:35,660
technologies for hybrid
electric turbofan engines. So

10
00:00:35,660 --> 00:00:38,300
with that, you can sort of
think of it almost like your

11
00:00:38,300 --> 00:00:42,700
hybrid electric cars, but for
large commercial vehicles. So,

12
00:00:42,700 --> 00:00:46,460
one of the key things that we
could see coming out of this is

13
00:00:46,460 --> 00:00:49,740
a substantial reduction in the
amount of noise and a

14
00:00:49,740 --> 00:00:53,740
significant reduction in the
overall fuel that is needed for

15
00:00:53,740 --> 00:00:56,700
commercial aviation, and
providing a direct connection

16
00:00:56,700 --> 00:01:00,520
to improve our overall
environment. I work on the X-57

17
00:01:00,520 --> 00:01:05,000
Maxwell, which is
an experimental aircraft. It

18
00:01:05,000 --> 00:01:09,400
started as a fuel burning
aircraft and we are making it

19
00:01:09,400 --> 00:01:13,560
fully electric. So we're
putting battery packs in it. We

20
00:01:13,560 --> 00:01:19,880
are replacing the engines with
electric motors. And that first

21

00:01:19,880 --> 00:01:23,400

flight is going to happen in
the next six months actually, and

22

00:01:23,400 --> 00:01:26,680

then the goal is to eventually
be able to completely reduce