



1
00:00:36,750 --> 00:00:31,870
the realistic solution NASA's Langley

2
00:00:40,840 --> 00:00:37,930
anytime's

3
00:00:44,169 --> 00:00:40,850
short for advanced transport operating

4
00:00:52,460 --> 00:00:44,179
system make more efficient use of

5
00:00:58,520 --> 00:00:56,620
from outside it looks like any other 737

6
00:01:02,030 --> 00:00:58,530
could tell you that from his perspective

7
00:01:04,969 --> 00:01:02,040
it also performs routinely when he gets

8
00:01:07,040 --> 00:01:04,979
to fly it behind him in this plane

9
00:01:09,530 --> 00:01:07,050
within the plane there's another were

10
00:01:12,320 --> 00:01:09,540
concocting more advanced than the one up

11
00:01:14,210 --> 00:01:12,330
front that houses technology capable of

12
00:01:17,090 --> 00:01:14,220
helping solve many problems plaguing

13
00:01:19,580 --> 00:01:17,100

today's commercial airlines using

14

00:01:21,469 --> 00:01:19,590

advanced display systems NASA pilot Li

15

00:01:36,720 --> 00:01:21,479

person who flies the plane from back

16

00:01:43,780 --> 00:01:41,680

useful displays for pilots in states

17

00:01:47,590 --> 00:01:43,790

information for numerous gauges are

18

00:02:00,340 --> 00:01:47,600

scattered about the concreting this

19

00:02:04,690 --> 00:02:00,350

information was exactly where he is

20

00:02:06,670 --> 00:02:04,700

relative to his planned flight back the

21

00:02:15,480 --> 00:02:06,680

computer display star is called

22

00:02:21,280 --> 00:02:18,430

the system offers a more precise way of

23

00:02:25,030 --> 00:02:21,290

flying greater precision means enhanced

24

00:02:26,860 --> 00:02:25,040

fuel efficiency and safety since this

25

00:02:29,470 --> 00:02:26,870

technology I'm still in the experimental

26
00:02:32,230 --> 00:02:29,480
stage flight director Jenny powder or a

27
00:02:34,090 --> 00:02:32,240
team of eight tops Provo a carefully

28
00:02:46,090 --> 00:02:34,100
monitored system performance during a

29
00:02:50,620 --> 00:02:47,980
flying 20 hours are spent in this

30
00:02:54,070 --> 00:02:50,630
simulator testing and redesigning to

31
00:02:56,020 --> 00:02:54,080
ensure feasibility another side of the

32
00:02:58,540 --> 00:02:56,030
eight tops research effort has to do to

33
00:03:00,460 --> 00:02:58,550
the air traffic control system using

34
00:03:02,800 --> 00:03:00,470
sophisticated computer protocol

35
00:03:05,080 --> 00:03:02,810
NASA engineers are developing a way for

36
00:03:09,850 --> 00:03:05,090
controllers to better regulate aircraft

37
00:03:12,280 --> 00:03:09,860
arrival times that Continental earn 30

38
00:03:18,310 --> 00:03:12,290

fours at the top of the screen needs to

39

00:03:20,710 --> 00:03:18,320

slow to 160 knots making adjustments

40

00:03:24,760 --> 00:03:20,720

like this could avoid costly delays and