



1
00:00:03,070 --> 00:00:15,620

Narrator: A rich history...

2
00:00:15,620 --> 00:00:24,490

A promising future...

3
00:00:24,490 --> 00:00:33,400

A work force with legendary talent...

4
00:00:33,400 --> 00:00:41,510

At the nation's most celebrated launch complex for half a century.

5
00:00:41,510 --> 00:00:44,940

This is NASA's Kennedy Space Center.

6
00:00:44,940 --> 00:00:48,250

President John F. Kennedy: "We choose to go to the moon in this decade and do the other

7
00:00:48,250 --> 00:00:53,470

things; not because they are easy, but because they are hard."

8
00:00:53,470 --> 00:01:07,770

Launch Commentator: "10, 9, ignition sequence start, 6..."

9
00:01:07,770 --> 00:01:11,080

Neil Armstrong, Astronaut: "That's one small step for man..."

10
00:01:11,080 --> 00:01:15,760

one giant leap for mankind"

11
00:01:15,760 --> 00:01:21,680

From the pioneering days of Mercury and Gemini, to the triumph of Apollo...

12
00:01:21,680 --> 00:01:27,430

from the successes of the space shuttle, to the construction of the International Space Station,

13
00:01:27,430 --> 00:01:32,740

and the send-off of countless robotic explorers...

14

00:01:32,740 --> 00:01:41,710

Kennedy Space Center knows adventure on a grand scale.

15

00:01:41,710 --> 00:01:46,230

As the home base of NASA's Launch Services Program, we prepare and launch

16

00:01:46,230 --> 00:01:48,560

a variety of rockets...

17

00:01:48,560 --> 00:01:54,080

carrying spacecraft headed for destinations in low Earth orbit, across our solar system

18

00:01:54,080 --> 00:02:00,020

and into the reaches of deep space.

19

00:02:00,020 --> 00:02:05,260

NASA's Commercial Crew Program is taking America to new heights with its aerospace industry

20

00:02:05,260 --> 00:02:09,780

partners in a revolutionary approach to human spaceflight...

21

00:02:09,780 --> 00:02:11,610

with the ultimate goal of developing

22

00:02:11,610 --> 00:02:22,340

launch systems to provide safe, reliable and affordable astronaut access to space.

23

00:02:22,340 --> 00:02:27,610

NASA also is working with industry to deliver cargo to the International Space Station under

24

00:02:27,610 --> 00:02:30,690

contracts with commercial companies.

25

00:02:30,690 --> 00:02:34,430

And Kennedy is preparing for NASA's next-generation heavy-lift rocket,

26

00:02:34,430 --> 00:02:37,240

the Space Launch System...

27

00:02:37,240 --> 00:02:41,600

capable of launching the Orion Multi-Purpose Crew Vehicle and additional cargo

28

00:02:41,600 --> 00:02:47,070

deeper into space than astronauts have ever been before.

29

00:02:47,070 --> 00:02:49,090

Nicholas Patrick, NASA Astronaut: Every day that we design Orion,

30

00:02:49,090 --> 00:02:54,100

we get closer to going out to places like the moon, mars, asteroids, or perhaps even the moons

31

00:02:54,100 --> 00:03:06,310

of other planets.

32

00:03:06,310 --> 00:03:10,210

Narrator: With such a diverse array of vehicles seeking launch support and processing

33

00:03:10,210 --> 00:03:16,700

capabilities, we're modernizing and streamlining our facilities to serve a variety of rockets and

34

00:03:16,700 --> 00:03:21,920

spacecraft, both government and commercial.

35

00:03:21,920 --> 00:03:27,990

That ambitious job falls to the center's Ground Systems Development and Operations Program

36

00:03:27,990 --> 00:03:33,300

and work already is well underway on Launch Complex 39B...

37

00:03:33,300 --> 00:03:37,210

the new, 355-foot-tall mobile launcher...

38

00:03:37,210 --> 00:03:39,900

a refurbished crawler-transporter...

39

00:03:39,900 --> 00:03:50,710

and inside the center's iconic Vehicle Assembly Building.

40

00:03:50,710 --> 00:03:57,040

As the future unfolds, collaboration will be key to maintaining our success.

41

00:03:57,040 --> 00:04:01,270

The Center Planning and Development Office is hard at work, developing partnerships that will

42

00:04:01,270 --> 00:04:03,880

share the center's unique resources...

43

00:04:03,880 --> 00:04:08,770

while advancing its goal as a robust, multi-user spaceport.

44

00:04:08,770 --> 00:04:12,650

Facilities previously dedicated to the space shuttle now are being used

45

00:04:12,650 --> 00:04:14,680

by commercial companies.

46

00:04:14,680 --> 00:04:20,080

For example, the runway where the shuttles touched down is proving useful for Starfighters,

47

00:04:20,080 --> 00:04:24,830

Incorporated, launching a new fleet of F-104 jet aircraft...

48

00:04:24,830 --> 00:04:29,360

and in research conducted by NASCAR race teams.

49

00:04:29,360 --> 00:04:35,290

The Boeing Company will use Orbiter Processing Facility-3 for the manufacture and assembly

50

00:04:35,290 --> 00:04:38,170

of its CST-100 spacecraft.

51

00:04:38,170 --> 00:04:43,680

And the new Exploration Park, including the Space Life Sciences Lab, will serve as a hub for

52

00:04:43,680 --> 00:04:47,240

cutting-edge research and technology.

53

00:04:47,240 --> 00:04:50,900

Much of the research taking place at Kennedy is tested in space aboard

54

00:04:50,900 --> 00:04:53,650

the International Space Station.

55

00:04:53,650 --> 00:04:59,170

Orbiting 250 miles above Earth, the station serves as a national laboratory...

56

00:04:59,170 --> 00:05:06,420

and as an engineering and life-science testbed for long-duration missions far beyond our planet.

57

00:05:06,420 --> 00:05:09,960

Despite the high-tech environment, things do get wild.

58

00:05:09,960 --> 00:05:15,180

The spaceport coexists with the Merritt Island National Wildlife Refuge, with a variety of habitats

59

00:05:15,180 --> 00:05:19,180

for hundreds of species of animals.

60

00:05:19,180 --> 00:05:22,660

Kennedy Space Center is committed to long-term sustainability...

61

00:05:22,660 --> 00:05:28,430

to protect the environment, and to use our planet's resources as efficiently as possible.

62

00:05:28,430 --> 00:05:34,090

For example, the Propellants North Administrative and Maintenance Facility, opened in 2011,

63

00:05:34,090 --> 00:05:38,560

generates enough energy to offset what it consumes.

64

00:05:38,560 --> 00:05:43,350

And a partnership with Florida Power and Light led to a 10-megawatt solar farm,

65

00:05:43,350 --> 00:05:47,640

generating enough energy to power more than a thousand homes...

66

00:05:47,640 --> 00:05:53,860

while providing an additional 1-megawatt facility to help Kennedy reduce energy costs...

67

00:05:53,860 --> 00:06:00,490

and freeing up more resources for the missions to come.

68

00:06:00,490 --> 00:06:02,720

We've been in this business for 50 years.

69

00:06:02,720 --> 00:06:03,730

Every mission...

70

00:06:03,730 --> 00:06:04,780

every innovation...

71

00:06:04,780 --> 00:06:06,370

every new partnership...

72

00:06:06,370 --> 00:06:08,730

is powered by decades of experience,