



NASA
SPECIAL CREW PROGRAM

1
00:00:00,429 --> 00:00:09,710

Hi, I'm Kathy Lueders, Commercial Crew Program manager.

2
00:00:09,710 --> 00:00:14,590

Music

3
00:00:14,590 --> 00:00:20,470

The agency's really looking at commercial partnerships and how do we share . . . and

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00:00:20,470 --> 00:00:22,020

not just this is all

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00:00:22,020 --> 00:00:28,570

NASA produced, but how do we then really enable a commercial industry and capability for the

6
00:00:28,570 --> 00:00:29,970

future?

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00:00:29,970 --> 00:00:37,600

Our No. 1 goal is to provide our need in a way that allows innovation and to be a partner

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00:00:37,600 --> 00:00:38,870

to them and to

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00:00:38,870 --> 00:00:44,780

realize that it take both of us pulling in the same direction for us to meet our goals.

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00:00:44,780 --> 00:00:52,450

Because industry owns the systems, these systems are then available for future exploration

11
00:00:52,450 --> 00:00:53,610

architectures

12

00:00:53,610 --> 00:00:55,040

and concepts.

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00:00:55,040 --> 00:00:58,630

We are all pieces of a puzzle and we all fit together.

14

00:00:58,630 --> 00:01:02,039

And we honestly build on each other to lay out this

15

00:01:02,039 --> 00:01:06,950

picture of the overall human exploration goals that we have and that the nation has given

16

00:01:06,950 --> 00:01:08,560

to us.

17

00:01:08,560 --> 00:01:14,970

I went out to the White Sands test facility and they picked me up when I was still in

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00:01:14,970 --> 00:01:16,480

school and hired me

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00:01:16,480 --> 00:01:20,090

through the end of my bachelor's.

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00:01:20,090 --> 00:01:25,500

I was the quality engineer that set up the White Sands shuttle RCS

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00:01:25,500 --> 00:01:26,500

depot.

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00:01:26,500 --> 00:01:31,330

And I did that for a year and then they hired me up in the propulsion test office and I

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00:01:31,330 --> 00:01:32,330

was the depot

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00:01:32,330 --> 00:01:38,830

manager so I actually worked on all the OMS/RCS components bringing them in-house to repair

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00:01:38,830 --> 00:01:39,830

and

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00:01:39,830 --> 00:01:41,850

process them for the shuttle program.

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00:01:41,850 --> 00:01:45,470

It was a huge learning experience I was basically acting as a

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00:01:45,470 --> 00:01:51,470

subcontractor to USA at the time and so it taught me about being commercial in a government

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00:01:51,470 --> 00:01:52,470

way.

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00:01:52,470 --> 00:01:58,530

53:12 – When station program came and asked me to come to the Johnson Space Center, there

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00:01:58,530 --> 00:01:59,530

I did

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00:01:59,530 --> 00:02:00,530

subsequent jobs.

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00:02:00,530 --> 00:02:04,020

One of the most important, I think, was I was the vehicle systems integration manager

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00:02:04,020 --> 00:02:11,159
for station where I was in charge of all the
vehicle subsystem managers during the design

35
00:02:11,159 --> 00:02:12,159
and sustaining

36
00:02:12,159 --> 00:02:17,760
engineering phase and so really understood
how to have really distributed responsibility

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00:02:17,760 --> 00:02:18,760
across

38
00:02:18,760 --> 00:02:23,829
management and yet kind of working all the
development and design and at that time we

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00:02:23,829 --> 00:02:24,829
had all the

40
00:02:24,829 --> 00:02:25,829
elements on orbit, too.

41
00:02:25,829 --> 00:02:26,829
(Visiting vehicle scheduling – B roll of
Shuttle docking,

42
00:02:26,829 --> 00:02:27,829
HTV as they dock to station)

43
00:02:27,829 --> 00:02:32,180
Finally they brought me in to do the COTS
integration job (DRAGON and Orbital's Antares/Cygnus

44
00:02:32,180 --> 00:02:33,180
launches and docking to the ISS)

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00:02:33,180 --> 00:02:40,189

When you look back, you realize the puzzle pieces and how they all make in some ways

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00:02:40,189 --> 00:02:41,659

a perfect

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00:02:41,659 --> 00:02:44,860

situation for me now to be leading this team.

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00:02:44,860 --> 00:02:55,309

I almost feel in a lot of ways, you know when you look back, wow, it's amazing how this

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00:02:55,309 --> 00:02:56,309

particular

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00:02:56,309 --> 00:03:01,209

experience all laid out that it really provided me with this background right now to be able

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00:03:01,209 --> 00:03:02,939

to help really

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00:03:02,939 --> 00:03:08,390

the commercial crew program and the partners to go and figure out a way to then execute

53

00:03:08,390 --> 00:03:09,390

on this next