



1
00:00:00,210 --> 00:00:07,279

My name is Nujoud Merancy, I'm the NASA
Orion Mission Planning and Analysis Lead.

2
00:00:07,279 --> 00:00:10,480

Music

3
00:00:10,480 --> 00:00:18,499

I'm working all of the design pieces for
Orion to make sure when we design it the engineering

4
00:00:18,499 --> 00:00:23,519

of the power, the thermal, the computers,
the propellant, all of those things will work

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00:00:23,519 --> 00:00:27,599

together to make the complete vehicle that
actually gets us to Mars.

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00:00:27,599 --> 00:00:31,739

Looking into the future when people first
land on Mars I think we'll take satisfaction

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00:00:31,739 --> 00:00:35,739

from knowing that we were actually a part
of getting it there – from the first day.

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00:00:35,739 --> 00:00:36,739

Orion was there.

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00:00:36,739 --> 00:00:40,609

We're going to be the thing that was there
the entire time – Flying people to and from

10
00:00:40,609 --> 00:00:41,609

Mars.

11
00:00:41,609 --> 00:00:45,820

So, that's where we get a lot of satisfaction

as we will have been that first building block

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00:00:45,820 --> 00:00:46,890

to get us there.

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00:00:46,890 --> 00:00:51,840

In 2014 we flew our first flight test for Orion and it was incredible for everyone because

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00:00:51,840 --> 00:00:54,700

we actually got vehicle put together.

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00:00:54,700 --> 00:00:57,269

It was primarily the crew module but we flew it.

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00:00:57,269 --> 00:01:01,999

We did hardest test we could which was it fully re-enter at 20,000 mile per hour.

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00:01:01,999 --> 00:01:05,740

And what that meant was that our fundamental vehicle design worked.