



#JOURNEYTOMARS

THE REAL MARTIANS

A QUICK LOOK AT NASA'S NEXT GIANT LEAP

1
00:00:00,610 --> 00:00:01,610
Hi!

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00:00:01,610 --> 00:00:05,590
My name is Carly Watts and I'm a Technology
Development Engineer for NASA's Next Generation

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00:00:05,590 --> 00:00:17,670
of Spacesuit Portable Life Support Systems.

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00:00:17,670 --> 00:00:22,730
On our ultimate journey to Mars, we have many
stepping stones we need to hit along the way.

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00:00:22,730 --> 00:00:26,700
We have opportunities for human exploration
in low earth orbit at the International Space

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00:00:26,700 --> 00:00:31,420
Station, at possibly a near earth asteroid
and then eventually, we all hope the surface

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00:00:31,420 --> 00:00:32,450
of Mars.

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00:00:32,450 --> 00:00:36,690
And in order to get there, we need to develop
space suits and portable life support systems,

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00:00:36,690 --> 00:00:41,690
or PLSSes, that utilize advanced technology
to support this mission.

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00:00:41,690 --> 00:00:45,420
The spacesuits that we've been using have
been used very successfully to support that

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00:00:45,420 --> 00:00:50,790
Space Shuttle program and now, the International

Space Station, however in the last 35 years,

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00:00:50,790 --> 00:00:54,559
technology has progressed significantly, such
that now, we can build new space suit life

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00:00:54,559 --> 00:00:59,440
support systems that are more reliable, more
robust and safer for the astronauts.

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00:00:59,440 --> 00:01:04,890
Personally, I'm really excited for the day
when a human puts on one of our advanced technology