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Hi. I'm Jenny Devolites and I am the Morpheus Lander Test Conductor and the Systems Engineering and Inte

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music

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Morpheus is the world's first prototype lander with liquid oxygen, liquid methane propulsion.

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One of the really exciting aspects of this project is that it's a rocket and it flies and we get to light an engine and

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From a team development perspective, there is a group of us that designed, built and flew this vehicle.

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That's not an opportunity you get every day so that was always a very exciting thing to be able to do.

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But the long term implications of it for the Journey to Mars are even more important.

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The technologies that we are testing, we're trying to enable the types of capabilities that we are going to need

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And one of the important things is the integration of oxygen and methane with the rest of the system.

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Something very important about going to Mars is that you only have what you can take with you or what you ca

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You look at Mars, it's very dry but, you can extract water from the Martian soil