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Hi, I'm Jon Olansen, I'm the Manager of The Morpheus Project at NASA

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where we've put together an Integrated Lander prototype that we can fly here on earth to test different techno

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Music

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Some of the ways that Morpheus benefits our future exploration of Mars, in the autonomous precision landing a

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if you can imagine approaching a planetary surface, there are going to be different hazards that are on that sur

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There's going to be rocks and craters. The ALHAT Project, part of Morpheus

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is able to actually produce a suite of sensors that will scan the landing site and identify where those hazards an

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select a safe landing site for the lander that is approaching the surface and then autonomously redesignate tha

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The liquid oxygen, liquid methane, propulsion capability, advances a different propellant component or combin