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00:00:00,470 --> 00:00:05,129

My name is William Allen, I'm a Mechanical Design Engineer with NASA's Jet Propulsion

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Laboratory.

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Mars 20/20 is the next Rover in the evolution of Mars Rovers.

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We have taken the previous Rovers, the Curiosity Rover and using it's DNA or architecture

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are designing a new Rover that can be equipped to gather samples and prepare them for a possible

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return trip to earth.

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Sample return from Mars is becoming a reality and this is our first step to making that

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happen.

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So being a part of that is very exciting.

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One of the challenges on the 20/20 mission, is reusing previous missions DNA & architecture

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such as MSL's Curiosity.

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We're going to carry that forward as a starting point on 20/20.

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We're revamping our infrastructure processes and tools to be able to accommodate this and

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to become very efficient at doing it.

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This will help us maximize our resources on future missions.