

Media kit Venturi wheel









WHY

has Venturi reinvented the wheel?

Advanced technology wheels exist, but the engineers, chemists and physicists at Venturi Lab have designed a unique, hyper-deformable lunar wheel. Why develop this breakthrough technology based on unique materials?

TO ACCOMMODATE

numerous significant challenges.

Solutions used on vehicles for the Apollo lunar mission and Curiosity Mars rover are not suitable, nor are terrestrial pneumatic tyres.

WHEEL CHALLENGES AND CAPABILITIES	FLEX 2026 >	APOLLO LRV MISSIONS 1971 > 1972	CURIOSITY 2011 >	TERRESTRIAL TYRE
Works without atmosphere	✓	✓	✓	×
Puncture proof	✓	✓	✓	×
Radiation resistant	✓	✓	✓	×
Supports a weight of 2T while travelling at 20 km/h	✓	×	X	~
Works in temperatures up to -240 °C	✓	×	X	×
Durable for over 5,000 km	<u> </u>	×	X	✓

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and Venturi Space: a first-time partnership.

NASA has selected 16 projects from 12 different companies to (in Switzerland) - submitted the Venturi wheel, which will be Center in Cleveland, and the Johnson Space Center in Houston.

VENTURI SPACE



circumference of the wheel to springs—the surface and regain their shape as—acceleration, braking and torque.

6. The tread is composed of several blades, held in place by a unique, super-elastic material, developed by









