



NewSpace New Mexico Media Clips October 2020

NewSpace New Mexico in partnership with [Agenda](#) is happy to present our monthly media reports. These reports will be delivered to your inbox every month – highlighting important industry-related stories from a broad range of state and national sources.

New Mexico is the place for space!

AFRL satellite program preparing future workforce

[October 1, 2020](#)

The Air Force Research Laboratory's University Nanosat Program is still providing college students around the country with a hands-on education in designing, building, and launching a satellite into space. They have been doing this for more than 20 years and over 5,500 graduates.

Could N.M. boldly go to the heavens? Maybe, just maybe...

[Santa Fe New Mexican, October 3, 2020](#)

Albuquerque is one of 31 spots in the U.S. under consideration to host the U.S. Space Command. This opportunity would “change the face of New Mexico” as said by Economic Development Department, Alicia Keyes, it would bring about many new jobs and opportunities for New Mexico. New Mexico is a great option and we have so many space resources already here that could help the Space Command.

‘Sunlider’ takes test flight to the stratosphere

[Albuquerque Journal, October 9, 2020](#)

Great things are happening at Spaceport America in southern New Mexico! HAPSMobile Inc. located at Spaceport America completed a test flight last month with its unmanned solar-powered Sunlider aircraft. This company is using the Sunlider to provide Internet connectivity in remote areas across the globe.

Albuquerque engineering firm Applied Technology Associates wins \$100M in Air Force contracts

[Albuquerque Business First, October 9, 2020](#)

Over a period of time Applied Technology Associates secured millions of dollars worth of work for the Department of Defense. They were awarded three contracts and one prototype project agreement by the Air Force. Combined these awards are worth more than \$102 million.

NASA's moonshot rules: We must 'bring with us our values'

[Albuquerque Journal, October 14, 2020](#)

The space agency released some guidelines for its Artemis moon-landing program. These are based on the 1967 Outer Space Treaty and other agreements which 8 countries have signed. They are known as the Artemis Accords and include: "No fighting or littering. And no trespassing at historic lunar landmarks such as Apollo 11's Tranquility Base."

Moon-landing tech hitches a ride to space

[Albuquerque Journal, October 14, 2020](#)

For the seventh time, Jeff Bezos' Blue Origin space company launched a New Shepard rocket from a remote location in Texas. They are testing new lunar landing technology for NASA which helps work towards putting astronauts back on the moon by 2024.

Tripoli Rocketry Association to join the Spaceport America Cup

[Spaceport America, October 14, 2020](#)

Spaceport America, the Experimental Sounding Rocket Association, and the Tripoli Rocketry Association have signed an agreement to work together to continue to improve overall flight safety and efficient flight operations at the Spaceport America Cup.

Startup to test rocket motor at NM spaceport

[Albuquerque Journal, October 16, 2020](#)

In January, Canadian startup C6 Launch Systems will fire up its rocket motors for static engine tests at Spaceport America in southern New Mexico. They are using New Mexico companies to help build the things they need such as a vertical static test stand which will be left behind after the launches for other companies to use.

Hyperspace Challenge announces 13 finalists to participate in 2020 Cohort

[Hyperspace Challenge, October 20, 2020](#)

On October 20th the HyperSpace Challenge announced the finalists for the most recent competition and we are especially excited to see four New Mexico teams in the running! NewSpace New Mexico supports HyperSpace Challenge and the theme for this year's competition was "trusted autonomy" and included 6 problem statements: Next-level Autonomy in Remote Environments; Improving Automatic Hazard Detection and Avoidance; Adopting State-of-the-Art Machine Learning for Space Vehicles; Preventing and Adapting to Autonomy Failures; Enhancing Spacecraft Autonomy with Resilient Computing Solutions; and Automatic Hazard Detection for Space Weather. These teams include: IDEAS Engineering & Technology, LLC, Resilient Solutions 21 (RS21), New Mexico State University, and Perspective Components Inc! A big Congrats to all the finalists! Make #NMthePlace4Space!

Milestone ahead

[Albuquerque Journal, October 21, 2020](#)

Virgin Galactic takes steps closer and closer towards commercial flights. Their window for the final round of testing opens the week of October 21st. Mike Moses, Virgin Galactic President, says “New Mexico will join California and Florida as only the 3rd state in the U.S. to host human space flight missions and send people into space”

Casey DeRaad advocates to bring more women into STEM occupations

[Albuquerque Business First, October 22, 2020](#)

NewSpace New Mexico’s Casey Anglada DeRaad is a 10th generation New Mexican who has promoted opportunities for New Mexico students and industries for her entire career. While working at AFRL she helped improve the AFRL Scholars internship programs and significantly increased minority and female participation. She continues to advocate for STEM through her work at NewSpace New Mexico.

Former Air Force Research Labs exec, internship program helped kickstart Rachel Delaney’s career

[Albuquerque Business First, October 28, 2020](#)

Rachel Delaney started in the AFRL Scholars program as a high school intern and now has an MS in Mechanical Engineering from the University of New Mexico School of Engineering and is currently a launch lead for the Air Force’s SSPIDR - Space Solar Power Incremental Demonstrations and Research program.

Raymond: Space Force has a plan to unify acquisition agencies

[Space News, October 22, 2020](#)

The Space Force is moving forward with plans to establish a field command sometime next year to oversee research, development and acquisition of major programs such as satellites, launch services and information systems.

Lunar Rovers on the moon become Washington’s newest state historic landmarks

[Market Screener, October 23, 2020](#)

Today, Greater Seattle Partners, the city of Kent and the Kent Downtown Partnership in King County, Wash. announced the historic landmark designation for the Lunar Roving Vehicles built at the Boeing Space Center and used in Apollo Missions 15, 16 and 17 in 1971 and 1972. These Lunar Rovers were the first “moon buggies” to allow humans to explore more of the Moon’s surface.

NASA’s Perseverance Rover will carry eleven AM parts to Mars

[Metal AM, October 24, 2020](#)

NASA’s Perseverance rover, which is scheduled to land on Mars on February 18, 2021, as part of the Mars 2020 mission, will reportedly carry eleven metal additively manufactured parts.

Technology success stories, both large and small

[Albuquerque Journal, October 26, 2020](#)

New Mexico Space Companies had another great year with last week’s announcement of the New Mexico’s Flying 40 awards. 15 of the 40 companies are New Mexico Space companies!. Applied Research Associates Inc. and Applied Technology Associates are both named in the Top 10 Total Revenues. Verus Research, Lentech Inc., Applied Technology Associates, Metis Technology Solutions Inc., and Fiore Industries Inc. are listed in the Top 10 Revenue Growth Companies for > \$10 million. Resilient Solutions 21 (RS21), IDEAS Engineering & Technology LLC, Tau Technologies LLC, Vista Photonics Inc., and Vibrant Corporation are listed on the Top 10 Revenue Growth for Companies <\$10 million. Sierra Peaks Corp. and LoadPath

listed as Other Flying 40 awardees. Raven Defense Corp. And Goodman Technologies listed as Falcon Award Recipients. Congrats to our Space companies!

DragonSCALES to power up small sat in December

[Albuquerque Journal, October 26, 2020](#)

In December, Albuquerque based mPower Technologies' new DragonSCALES solar-cell material will power up a small satellite scheduled for launch into low- Earth orbit. MPower's technology weaves tiny solar cells the width of a human hair into a flexible, lightweight mesh that could lower the costs for powering a spacecraft. This will be the first in-space test for this technology.

NASA 4G on the Moon: Astronauts will soon have cell service just like on Earth

[Moby Geek, October 26, 2020](#)

NASA 4G on the Moon is an ambitious plan and the space agency has chosen Nokia to be its partner to make it a reality. The system is scheduled to go live in 2022, allowing astronauts to have high-definition videos even when they are no longer on Earth. Nokia is set to receive \$14.1 million to help build the needed infrastructure to make lunar voice, video calls, gadget controls, real-time navigation, and data transmission possible.

Moon holds more water in more places than ever thought

[Albuquerque Journal, October 27, 2020](#)

Water on the moon's sunlit surface has been confirmed for the first time, which is great news for astronauts at future lunar bases. This could allow them to tap into these resources for drinking and making rocket fuel.

First Canadian joins the next Frontier in Space Exploration

[Canadian Geographic, October 27, 2020](#)

Canada has its first commercial rocket man. On Oct. 27, 2020, former Royal Canadian Air Force pilot Jameel Janjua became one of the two newest pilot corps members for [Virgin Galactic](#), the commercial space travel company that plans to fly people to space as soon as 2021

Beyond the Skies

[Albuquerque Journal, October 30, 2020](#)

Virgin Galactic "announced that Royal Canadian Air Force pilot Jameel Janjua and U.S. Marine Corps pilot Patrick Moran had joined the company and would be trained to fly both the spacecraft VSS Unity and the VMS Eve carrier aircraft, which together comprise Virgin Galactic's SpaceShipTwo." They continue to progress closer to the first launch!



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