

Applied Fiber Goes Beyond the Moon Aboard James Webb Space Telescope

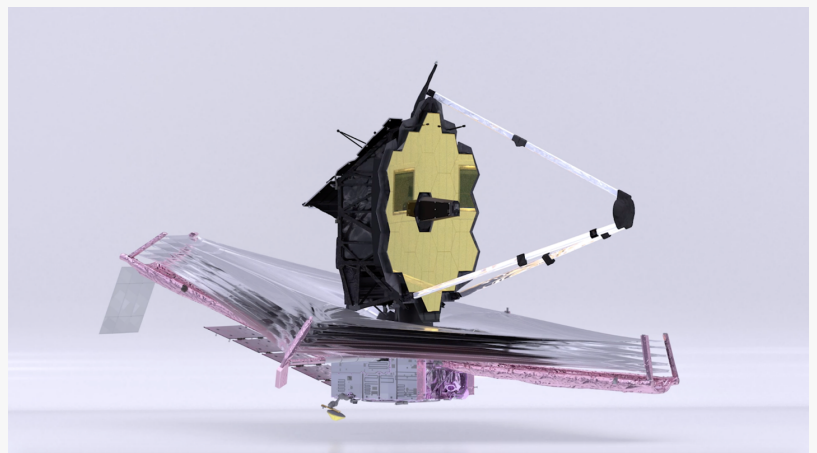
Applied Fiber is celebrating the first images returning from NASA's James Webb Space Telescope (JWST).

HAVANA, FLORIDA, UNITED STATES, May 17, 2022 /EINPresswire.com/ -- As one of NASA's most ambitious and technically complex missions, the \$10 billion James Webb telescope was launched on Christmas day and is beginning to capture images in its orbit beyond the moon. NASA developed the telescope as the next-generation Hubble, intending to find the first galaxies that formed in the early universe just after the big bang, study nearly every phase in the history of our universe, and explore and understand the cosmos in a way never before possible.

Tallahassee area company [Applied Fiber](#) was a part of this success, with over 200 specialized fiber cable assemblies used within the mission-critical multi-layer sun shields that protect the lens from extreme temperatures. Applied Fiber began work with Northrop Grumman, a prime NASA contractor, on the project over 13 years ago.



James Webb telescope's 18 Mirrors will capture images in deep space – Photo Courtesy NASA



Side view of the James Webb telescope with the multi-layered sunshield fully deployed.

"The Applied Fiber team is proud to be a part of the most advanced telescope ever made and what is anticipated to be one of NASA's most significant achievements for mankind," says Paul Badeau of Applied Fiber. "Having been involved with the project since 2009, it is amazing to see

how well all of NASA's, Northrop Grumman's, and other team efforts and planning have come together to achieve this mission."

The telescope has passed several engineering milestones since its nearly one-million-mile journey to orbit including: unfolding and deployment of the multi-layered sunshield, aligning and focusing its highly advanced mirrored optic system, and most recently cooling to its operational temperature range to near absolute zero, minus 450 degrees F / -267 degrees C / 6 K.

It is at this cryogenic temperature the infrared telescope's full capabilities can be utilized and provide breathtaking images of our vast universe.

Applied Fiber continues to support this and other space initiatives and is actively involved with satellite technology developments and future planned NASA lunar missions.

More about the JWST, images and videos : [NASA – JWST Photo Gallery](#)

Contact Applied Fiber- www.applied-fiber.com/contact

About Applied Fiber:

Applied Fiber® (www.applied-fiber.com) is the leading company for terminated synthetic fiber tension systems worldwide. The company's advanced products are utilized where performance and reliability are essential. Whether high volume OEM production or mission-critical specialty applications, Applied Fiber® delivers engineered tension systems across Mining, Offshore Oil and Gas, Medical, Commercial Marine, Energy, and other Industrial markets.

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