

# SPACE ECONOMY NEWSLETTER

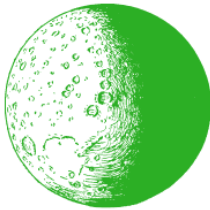


Recent activity in the space economy. Highlights below are courtesy of [UFO, THE PROCURE SPACE ETF](#).

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## NASA ANNOUNCES IT'S LOOKING FOR COMPANIES TO HELP MINE THE MOON

BY CHRISTIAN DAVENPORT



NASA is looking for private companies to collect rocks and dirt from the moon as part of a technology program to help astronauts "live off the land" for future crewed missions. The American space agency will pay up to \$25,000 for about a pound of the lunar surface.

The material collection is part of NASA's Artemis program to land US astronauts on the moon by 2024 and eventually travel to Mars.

Source: [www.washingtonpost.com](http://www.washingtonpost.com)

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## UAE SPACE SECTOR 'COULD DRIVE GROWTH'



The space industry could become one of the UAE's most important sectors and a major contributor to economic growth over the next 50 years, according to a recently published whitepaper from the Dubai Chamber of Commerce and Industry.

The "Space Economy Investment Opportunities for the UAE" report mentions 10 areas of the economy that offer best investment potential for the UAE including space tourism, space mining, and sustainability in space and recycling.

Source: [www.tradearabia.com](http://www.tradearabia.com)

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## NASA DETAILS HOW \$28B WILL BE SPENT TO RETURN ASTRONAUTS TO THE MOON IN 2024

BY CHRIS CIACCIA

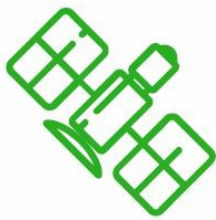


NASA's Artemis Plan will require \$28 billion to achieve its goal of having the first woman and the next man land on the moon by 2024.

Earmarked for the budget is \$7.6 billion towards the Space System Launch Rockets, \$16.2 billion for developing and testing landing systems to transport humans to and from the lunar surface, \$518 million for space suits, and \$1.2 billion for exploration technologies. An additional \$1.9 billion will be used for the Lunar Discovery and Exploration Program, which includes the establishment of commercial contracts for lunar landing transportation services.

Source: [www.foxnews.com](http://www.foxnews.com)

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## **RAYTHEON WINS \$13M CONTRACT TO CONNECT MILITARY AIRCRAFT TO LEO INTERNET**

BY RACHEL JEWETT

The U.S. Air Force selected Raytheon\* to receive a \$13.1 million contract to connect military jets to commercial satellite internet services. The contract is part of the Air Force Research Laboratory's Defense Experimentation Using Commercial Space Internet program (DEUCSI).

Source: [www.satellitetoday.com](http://www.satellitetoday.com)

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## **NASA IS LAUNCHING A \$23 MILLION DOLLAR TOILET TO SPACE THIS WEEK**

BY ANDREA ROMANO



NASA launched a \$23 million dollar toilet to the International Space Station in an effort to improve bathroom technology in space. The Universal Waste Management System is smaller and lighter than current toilets aboard the ISS, recovers more water from waste, and includes a urine funnel and seat designed for female astronauts.

Source: [www.travelandleisure.com](http://www.travelandleisure.com)

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## **NASA ASTRONAUTS WILL SHOOT IMAGES OF AN ESTEE LAUDER PRODUCT IN SPACE**

BY BECKY FERREIRA



Estee Lauder will send their new "Advanced Night Repair" face cream to the International Space Station. NASA astronauts will film videos and images with the bottles in the microgravity environment for the cosmetics company to use in advertising campaigns and promotional materials. This project is part of the space agency's push to build an outer space commercial economy.

Source: [www.vice.com](http://www.vice.com)

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## **U.S. MILITARY SELECTS DENVER-AREA SPACE COMPANIES FOR LUCRATIVE WORK ON THE GROUND**

BY GREG AVERY



The U.S. Military has selected Lockheed Martin\* and Maxar Technologies\* for contracts worth \$100 million to create technologies to help troops on the ground access intelligence from satellites in space.

Lockheed Martin's \$51.2 million project is intended to develop software for managing new capabilities of missile-launch detection satellites.

Maxar Technologies will receive \$49 million to create portable ground terminals to access intelligence data from satellites to users in remote locations and help troops during missions.

Source: [www.bizjournals.com/denver/](http://www.bizjournals.com/denver/)

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## **MADE IN SPACE IS SENDING THE FIRST CERAMIC MANUFACTURING FACILITY IN SPACE TO THE ISS NEXT**



## WEEK

BY DARRELL ETHERINGTON

Made In Space will be sending its Turbine Ceramic Manufacturing Module (CMM) into space during a Northrup Grumman\* International Space Station resupply mission. CMM is a commercial ceramic turbine blisk manufacturing device using 3D printing technology to produce detailed parts requiring a high degree of production accuracy.

The purpose of this mission is to provide a proof-of-concept regarding the viability of making turbine blisks using additive manufacturing in a microgravity environment. Gravity can cause defects in ceramic blisks created on Earth. Manufacturing the products in space could mean lower error rates and a higher degree of precision for making finely detailed designs.

Source: [www.techcrunch.com](http://www.techcrunch.com)

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## 'SPACE HERO': PLANNED REALITY TV SHOW WANTS TO LAUNCH WINNER TO INTERNATIONAL SPACE STATION

BY MIKE WALL



Reality tv show *Space Hero* will select contestants to compete for a 10-day trip to the International Space Station in 2023. Participants will be put through extensive training and face various challenges in preparation for a visit to space. The show will also follow the winner's trip to the space station.

Source: [www.space.com](http://www.space.com)

*\*As of December 7, 2021, Lockheed Martin (TICKER: LMT) was a 2.69% holding, Maxar Technologies (TICKER: MAXR) was a 4.98% holding, Northrop Grumman (TICKER: NOC) was a 2.38%, and Raytheon Technologies (TICKER: RTX) was a 2.76% holding in the Procure Space ETF (NASDAQ: UFO). UFO held 0.00% of Estee Lauder as of September 30, 2020.*

**The Procure Space ETF is a global pure-play space ETF. For a complete list of holdings in UFO, visit: <https://www.procureetfs.com/ufo/>**  
**Fund holdings and sector allocations are subject to change at any time and should not be considered a recommendation to buy or sell any security.**

For more information on  
UFO The Procure Space ETF (NASDAQ:UFO),  
visit **[www.ProcureETFs.com](http://www.ProcureETFs.com)**.

### **Disclosures:**

*Please consider the Funds investment objectives, risks, and charges and expenses carefully before you invest. This and other important information is contained in the Fund's summary prospectus and prospectus, which can be obtained by visiting [procureetfs.com](http://procureetfs.com). Read carefully before you invest. Any investment product, strategy, or product design that is described on the Procure ETF's website may not be suitable for all types of clients.*

***Investing involves risk. Principal loss is possible. The Fund is also subject to the following risks: Shares of any ETF are bought and sold at market price (not NAV), may trade at a discount or premium to NAV and are not individually redeemed from the funds. Brokerage commissions will reduce returns.***

***Aerospace and defense companies can be significantly affected by government aerospace and defense regulation and spending policies. The exploration of space by private industry and the harvesting of space assets is a business based in future and is witnessing new entrants into the market. Investments in the Fund will be riskier than traditional investments in established industry sectors. The Fund is considered to be concentrated in securities of companies that operate or utilize satellites which are subject to manufacturing delays, launch delays or failures, and operational and environmental risks that could limit their ability to utilize the satellites needed to deliver services to customers. Investing in foreign securities are volatile, harder to price, and less liquid than U.S. securities. Securities of small- and mid-capitalization companies may experience much more price volatility, greater spreads between their bid and ask prices and significantly lower trading volumes than securities issued by large, more established companies. The Fund is not actively managed so it would not take defensive positions in declining markets unless such positions are reflected in the underlying index. Please refer to the summary prospectus for a more detailed explanation of the Funds' principal risks. It is not possible to invest in an index.***

***ProcureAM is the adviser to UFO. UFO is distributed by Quasar Distributors, LLC***

