# SPACE ECONOMY NEWSLETTER



Recent activity in the space economy. Highlights below are courtesy of <u>UFO, THE PROCURE SPACE ETF</u>.

# SPACEX'S 'RESILIENCE' LIFTS 4 ASTRONAUTS INTO NEW ERA OF SPACEFLIGHT



SpaceX's Crew Dragon Spacecraft and Falcon 9 successfully launched four astronauts, three with NASA and one with Japan's space agency, on a trip to the International Space Station. This is the first time a commercial spacecraft has received NASA certification to carry humans and is viewed as a huge step for space capitalism.

Source: <u>www.nytimes.com</u>



SPACE LAUNCH SERVICES MARKET TO REACH USD 26.16 BILLION AT 13.35% COMPOUND ANNUAL GROWTH RATE BY 2027; PRESENCE OF SEVERAL LARGE SCALE COMPANIES WILL EMERGE IN FAVOR OF MARKET GROWTH, SAYS FORTUNE BUSINESS INSIGHTS

The global space launch services market is estimated to grow to 26.16 billion USD by 2027, up from 12.67 billion in 2020, according to a new report from Fortune Business Insights. An increase in large scale company collaborations, space research programs, and number of satellites are forecasted to have a large impact on market growth.

The study highlights key companies in the sector including Antrix Corporation, ArianeGroup SAS (Airbus\* owns 50%), Blue Origin, China Great Wall Industry Corp, Eurockot Launch Services, Lockheed Martin\*, Mitsubishi Heavy Industries, Northrop Grumman\*, Spaceflight Industries, SpaceX, Space International Services, and United Launch Alliance.

Source: www.fortunebusinessinsights.com



# RUSSIAN ACTRESS TO DEFY TOM CRUISE IN HOLLYWOOD RACE TO SPACE

A star is born? Russian space agency Roscosmos announced a search for a Russian actress to film a movie aboard the International Space Station. Roscosmos is racing against Tom Cruise and Elon Musk to be the first to film in space.

Source: <u>www.spacewatch.global</u>



#### MARTIN TURNS TO COMMERCIAL PLAYERS BY SANDRA ERWIN

Lockheed Martin\* took an untraditional approach to win a \$187.5 million Pentagon contract by choosing to partner with commercial companies. The companies will build a mesh network of 10 satellites for the Space Development Agency's Transport Layer which will provide high-speed broadband to military users.

Source: www.spacenews.com



NASA IS PARTNERING WITH 17 US SPACE COMPANIES, INCLUDING ELON MUSK'S SPACEX AND JEFF BEZO'S BLUE ORIGIN, TO DEVELOP NEW TECH FOR 'MOON AND BEYOND' BY KATE DUFFY

NASA announced new partnerships with 17 US space companies to develop new technology for space missions. While no money was awarded, the companies will have access to NASA's testing facilities and expertise.

Source: www.businessinsider.com

## FALCON 9 LAUNCHES SENTINEL-6 MICHAEL FREILICH **OCEAN SCIENCE SATELLITE**





A SpaceX Falcon 9 successfully launched a satellite used to measure rising sea levels, continuing three decades worth of tracking efforts. The spacecraft's radar bounces radio pulses off the ocean to gauge sea level, wave height and ocean speed.

Source: www.spacenews.com



### CHINA LAUNCHES AMBITIOUS MOON MISSION TO BRING **BACK SAMPLES FROM THE MOON**

BY LOREN GRUSH

China successfully launched a mission to gather rocks from the Moon and return the samples back to Earth. It would be the first time in over 40 years such a feat has been completed.

Source: www.theverge.com

### THE SOLAR DISCS THAT COULD POWER EARTH



The Earth's renewable energy may come from a unique source one day...space. Scientists are developing space-based solar power stations based, which would generate a constant supply of energy on a large scale. While the stations are currently being built with resources from Earth, scientists are exploring the possibility of manufacturing these units using materials found in space.

Source: www.bbc.com

\*As of November 30, 2020, Airbus (TICKER: AIR FP) was a 0.19% holding, Lockheed

Martin (TICKER: LMT) was a 2.02% holding, and Northrop Grumman (NOC) was a 1.88% holding in the **Procure Space ETF (NASDAQ: UFO)**.

The Procure Space ETF is a global pure-play space ETF. For a complete list of holdings in UFO, visit: <u>https://www.procureetfs.com/etfs/ufo.html#holdings</u> 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**.

#### 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 <u>procureetfs.com</u>. 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.

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