

# SPACE ECONOMY NEWSLETTER



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

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## **SPACE INDUSTRY GREW TO RECORD \$469 BILLION LAST YEAR, REPORT FINDS**

BY CARLIE PORTERFIELD

The space economy blasted off to new heights reaching \$469 billion in 2021, a 9% increase from 2020, according to the Space Foundation's Q2 2022 *The Space Report*. The commercial sector was responsible for 77% of spending, while government spending rose 19%. The Space Foundation forecasts the space sector to hit \$634 billion by 2026.

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

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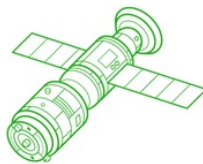
## **L3 HARRIS, NORTHROP GRUMMAN TO BUILD 28 MISSILE-TRACKING SATELLITES FOR U.S. SPACE DEVELOPMENT AGENCY**

BY SANDRA ERWIN

L3 Harris\* and Northrop Grumman\* will receive \$700 million and \$617 million respectively to design 14 missile-tracking satellites apiece for the Space Development Agency's low Earth Orbit constellation. The satellites are intended to spot missiles produced by countries including Russia and China.

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

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## **WHY MORE PLANET LABS' SHOEBOX-SIZED SATELLITES ARE HEADED INTO ORBIT ON SPACEX ROCKETS**

BY SUSAN CAMINITI

What do Tom Cruise, fun size M&M's, and Planet Labs\* have in common? All are proof that bigger isn't always better. Planet Lab's 12-pound, shoebox-sized satellites provide important real-time Earth imaging data every day. The company's 200 satellites help monitor the food crisis in Ukraine, supply farmers with vital information regarding crop yield, and may one day be able to measure greenhouse emissions. Planet Labs sends up 30 to 40 new satellites a year and it inked a deal with SpaceX to be the company's launch provider until 2025.

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

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## **ON AVERAGE, ONE TON OF SMALLSATS TO BE LAUNCHED PER DAY DURING THE NEXT DECADE**

Continuing with the “good things come in small packages” theme,



Euroconsult released its “Prospects for the Small Satellite Market” report. While the industry will face challenges due to factors such as supply chain issues and the war in Ukraine, government agencies and the commercial sector are expected to drive small satellite demand.

Around 18,500 satellites weighing less than 500 kilograms are anticipated to be launched by 2031. 1,846 smallsats per year are forecasted to reach orbit over the next decade up from 466 a year from 2012 to 2021. Smallsat manufacturing is predicted to reach \$56 billion in revenue and launch services to reach \$29 billion.

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

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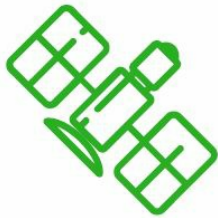
### **BAE SYSTEMS DELIVERS JAM-RESISTANT GPS RECEIVERS TO GERMAN ARMY**

BY JOE SABALLA

Un-BAE-lievable. BAE Systems\* supplied the German military with Global Positioning System (GPS) receivers designed to prevent radio interference. The equipment will be used in handheld devices, vehicles and aerial systems.

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

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### **PLANET TO PROVIDE GERMAN FEDERAL AGENCIES WITH DAILY SATELLITE IMAGERY**

The Germans have been busy. Planet Labs\* will supply daily satellite imagery to the German Federal Agency for Cartography and Geodesy (BKG). BKG will use Planet's data for nature conservation, agricultural observation, and crisis response purposes. Hopefully, all of this hard work doesn't interfere with Oktoberfest!

Source: [www.geospatialworld.net](http://www.geospatialworld.net)

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### **VIRGIN ATLANTIC TO EQUIP AIRBUS A330NEO FLEET WITH VIASAT IN-FLIGHT CONNECTIVITY SERVICE**

BY WOODROW BELLAMY III

Viasat\* inked a deal to bring in-flight connectivity to Virgin Atlantic's Airbus\* planes. Fliers will now be able to browse the internet, use social media, stream the latest episodes of *Stranger Things*, and stay in contact with their Bumble matches.

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

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### **SES WINS FURTHER CRUISE BUSINESS**

BY MARK HOLMES

SES\* is going *Below Deck*. The satellite company is partnering with a family cruise line and Explora Journeys to provide high speed WiFi for their ships. Now passengers will be able to access their social media accounts while simultaneously indulging in the all-you-can-eat meals.

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



## ERICSSON TESTS SATELLITE 5G SERVICES WITH THALES AND QUALCOMM

BY JOHN GOLD

The future of 5G is looking up...to space. Thales\*, Ericsson and Qualcomm announced plans to test a network of low Earth orbit satellites to deliver 5G telecommunications services. If successful, the non-terrestrial networks could be used to provide broadband connectivity in underserved areas and as a backup for terrestrial networks should an outage occur.

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

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## NOAA TAPS PLANET TO TRACK OIL SPILLS, MARINE DEBRIS, AND MARINE LIFE



Planet Labs\* is having a whale of a good time (we're so punny). The company agreed to provide the National Oceanic and Atmospheric Administration (NOAA) with satellite imagery to help monitor oil spills, marine trash, illegal fishing activities and whales.

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

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## FIRST IMAGES FROM THE JAMES WEBB TELESCOPE



The James Webb Telescope just put Instagram influencers' filtered pictures to shame. NASA, the European Space Agency, and Canadian Space Agency put out the first full-color photos from the world's most powerful telescope. The images captured Carina Nebula where new stars are being born, a dying star within the Southern Ring Nebula, and a grouping of five galaxies known as Stephan's Quintet. The telescope also discovered the oldest known galaxy.

Source: [www.nasa.gov](http://www.nasa.gov)

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## WHY SPORTS IN SPACE COULD BE THE NEXT BIG THING

BY JEN MURPHY



Madison Square Garden, Yankees Stadium...Mars? Athletes may soon be competing in the biggest stadium of their lives, as space travel continues to grow in popularity. Space sports are in the works including soccer, a combination of football/basketball/dodgeball, a take on basketball, mini spaceship yacht races, and a game involving trampolines and Velcro-padded walls. The pool and virtual reality may be used to help players train for the zero-gravity environment.

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

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## WE CAN'T WAIT FOR THE CHAINSMOKERS TO LAUNCH THEMSELVES TO SPACE

BY JON BLISTEIN

the Chainsmokers are living up to their hit song *High*. The music artists signed on with space tourism company, World View, to



perform aboard a capsule attached to a stratospheric balloon 20 miles above Earth in 2024.

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

*\*As of July 29th, 2022, Airbus (AIR FP) was a 1.12% holding, L3 Harris (LHX) was a 2.37% holding, Northrop Grumman (NOC) was a 2.42% holding, Planet Labs (PL) was a 3.68% holding, SES (SESG FP) was a 4.17% holding, Thales (HO FP) was a 0.26% holding, and Viasat (VSAT) was a 4.36% 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: <https://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.***

***A UAP (unidentified aerial phenomena) formerly known as a “UFO” is a flying object that looks or moves unlike any known aircraft. Given that currently there is no identification of these observed phenomena, it is possible that UAPs could create unintentional or deliberate operational, data security, “cyber” and other interference with the operation of satellites and other objects in space. Such activities could result in a significant adverse impact on the Fund’s securities, thereby causing the Fund’s investment in such portfolio securities to lose value and adversely affecting the Fund’s ability to fulfill its investment objectives.***

***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***

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