

COMMERCIAL AND GOVERNMENT SATELLITES

VIASAT-3



DESCRIPTION & PURPOSE

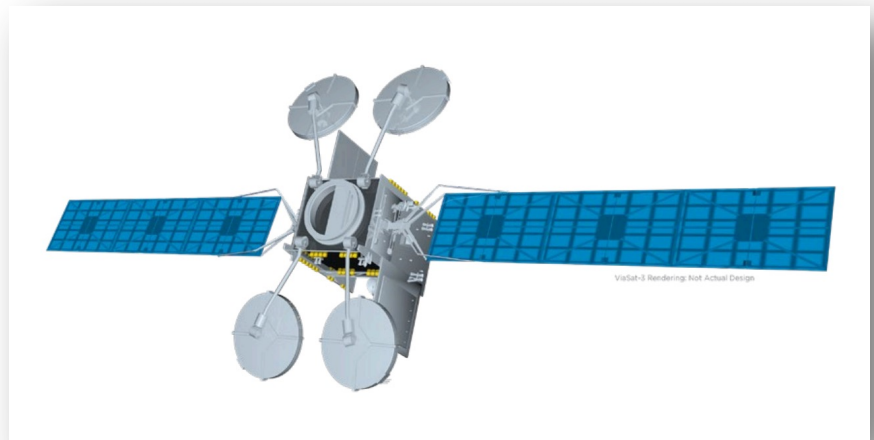
The ViaSat-3 ultra-high-capacity constellation is a highly-advanced global constellation comprised of three geostationary ViaSat-3 class satellites. The first ViaSat-3 class satellite will provide broadband connectivity service to the Americas, the second ViaSat-3 class satellite is planned to cover Europe, Middle East and Africa, and the third ViaSat-3 class satellite is anticipated to deliver service to the Asia-Pacific market.

Each ViaSat-3 class satellite is expected to offer over 1 Terabit per second (Tbps)—or 1,000 Gbps—of total network capacity to deliver a global broadband network with enough bandwidth to deliver affordable, high-speed, high-quality internet and video streaming services. The ViaSat-3 constellation is anticipated to have approximately eight times the capacity of Viasat’s current satellite fleet combined.

CUSTOMER

Viasat is a global communications company connecting everyone from homes, to businesses, to governments & militaries with satellite internet and connectivity.

Each satellite in the ViaSat-3 constellation will carry a Viasat-designed and manufactured payload on a Boeing 702 satellite platform. An evolution of the 702 satellite, the ViaSat-3 platform will carry all-electric propulsion and have the capability to support more than 28kW of power at the satellite’s end of life, making it among the highest performing satellites ever built.



In addition to the ViaSat-3 satellite bus platforms, Boeing also built ViaSat-2, a Boeing 702HP-based satellite that was launched in 2017.

GENERAL CHARACTERISTICS

As a part of its business relationship with Boeing, Viasat is working cooperatively across the Boeing enterprise. Viasat also works with Boeing Commercial Airplanes (BCA) to include Viasat’s portfolio of award-winning Ka-band airborne satellite terminals as a factory line-fit option on Boeing commercial aircraft.

Airlines are able to specify Viasat in-flight connectivity on new Boeing aircraft and take delivery of the planes with the Viasat equipment already installed. Factory installation avoids costly down-time involved with taking planes out of service for post-production retrofits. With the system installed, airlines have the ability to access Viasat’s high-speed in-flight internet service.

702 BACKGROUND

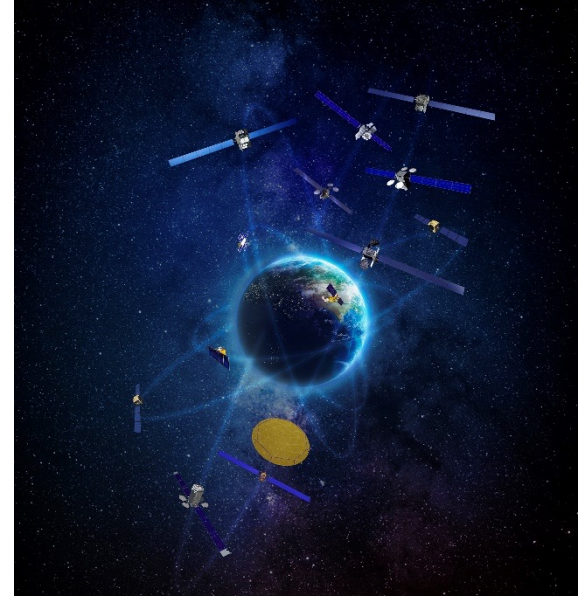
The scalable, flexible 702 product line is an orbit-proven platform that cost-efficiently serves a wide range of commercial and government customers. Boeing introduced the 702 spacecraft family in 1995, and today more than two dozen are on orbit, with almost a dozen more currently in production. The 702 family product line offers flexible designs supporting payload power levels from 3 to 25 kilowatts, meeting the needs of customers seeking satellites in wide power ranges.

FLEXIBLE SATELLITES FOR GOVERNMENT AND COMMERCIAL OPERATORS

Boeing builds adaptable satellites to meet changing business cases and fulfill even the most demanding missions. We're well into our sixth decade of providing advanced space and communications systems for military, commercial and scientific uses.

Boeing satellites reliably deliver digital communications, mobile communications, broadband internet connectivity, streaming entertainment, and direct-to-home entertainment around the world.

We continue to invest in and create a continuum of products across all orbits to give customers tiered options based on size, weight and power, to deliver the capability they need to their end-users.



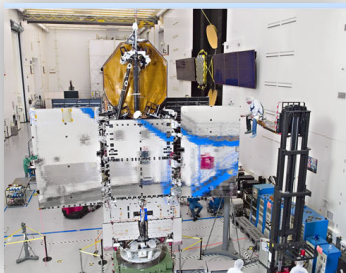
Artist rendering of Boeing satellites operating across all orbits

MISSION ASSURANCE

Boeing's satellite systems business is located in El Segundo, Calif. The world's first geosynchronous communications satellite, Syncom, was built there by Boeing and launched in 1963. Since then, Boeing has delivered more than 300 satellites to more than 50 customers in more than 20 countries, and continues to design and build government and commercial satellites in its factory in El Segundo.



Exterior of Boeing Satellite Factory



High Bay



Thermal Vacuum



Payload Integration & Test

STRONGER TOGETHER

In addition to Boeing's space capabilities, Spectrolab and Millennium are also a part of the Boeing team. Click on the company logos to learn more!



MORE INFORMATION:

LEARN MORE AT BOEING.COM/BOEING-SATELLITES. FOLLOW ALONG ON TWITTER [@BOEINGSPACE](https://twitter.com/BOEINGSPACE), INSTAGRAM [@BOEING](https://www.instagram.com/BOEING), FACEBOOK [@BOEING](https://www.facebook.com/BOEING) AND LINKEDIN [@COMPANY/BOEING](https://www.linkedin.com/company/BOEING)

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