

# MARKET Briefs

**Executive Summaries of Market Trends and Opportunities in Key Market Segments and Regions Worldwide**

## Connectivity Solutions for the Multi-Orbit Satellite Market

# Connectivity Solutions for the Multi-Orbit Satellite Market

by **Elisabeth Tweedie**

When SpaceX launched Starlink in 2019, the industry changed forever. Geosynchronous satellites (GEOs) had long been the dominant, indeed until the launch of O3b service in 2014, the only way, to access commercial space-based broadband communication services. The first generation of O3b, a medium-earth orbit (MEO) constellation had limited capacity and only served a small segment of enterprise satellite users. Starlink as a low-earth orbit constellation (LEO), offered a very different service. Due to significantly increased capacity provided by thousands of satellites, coupled with the lower bandwidth prices made possible by a vertically integrated supply chain, consumer broadband service became a viable service from non-geostationary satellites (NGSO). However, with service being provided on a “best effort” basis, few enterprise customers were interested.

Starlink is no longer the only game in town. OneWeb, now part of Eutelsat is also operational. With the recent launch of 32 satellites, Amazon LEO now has over 200 satellites of the planned constellation of 4,500 satellites in orbit. There are another 20 launches planned for this year, and Ricky Freeman, stated at World Satellite Business Week, last September, that it plans to start offering service in five markets in late 2026.

Starlink, OneWeb and Amazon will not be the only operators. There are numerous other filings for pro-

liferated LEO constellations. These include: LightSpeed (from Telesat), Europe’s defense system, Iris2, TerraWave from Blue Origin, and the Chinese constellations GuoWang and Qianfan (also known as SpaceSail).

According to a recent report from Novaspacespace, the global space economy is projected to have a 12% compound annual growth rate (CAGR) in the ten years to 2034, to reach a value of US\$1.01 trillion. There are several factors driving this growth: global unrest, leading to increased government and military demand for surveillance and operations, the prospect of putting data centers in space, and of course, the proliferation of LEO satellites. A year ago, Goldman Sachs predicted that there would be over 70,000 operational LEO satellites by 2032. That of course was before Starlink filed for an additional one million satellites, and Blue Origin announced TerraWave, a MEO-LEO constellation of 5,408 satellites. However, there is now another key driver: multi-orbit communications. Thanks to innovations in the ground segment, this is now not only possible, but becoming essential for most segments, with the exception of consumer broadband.

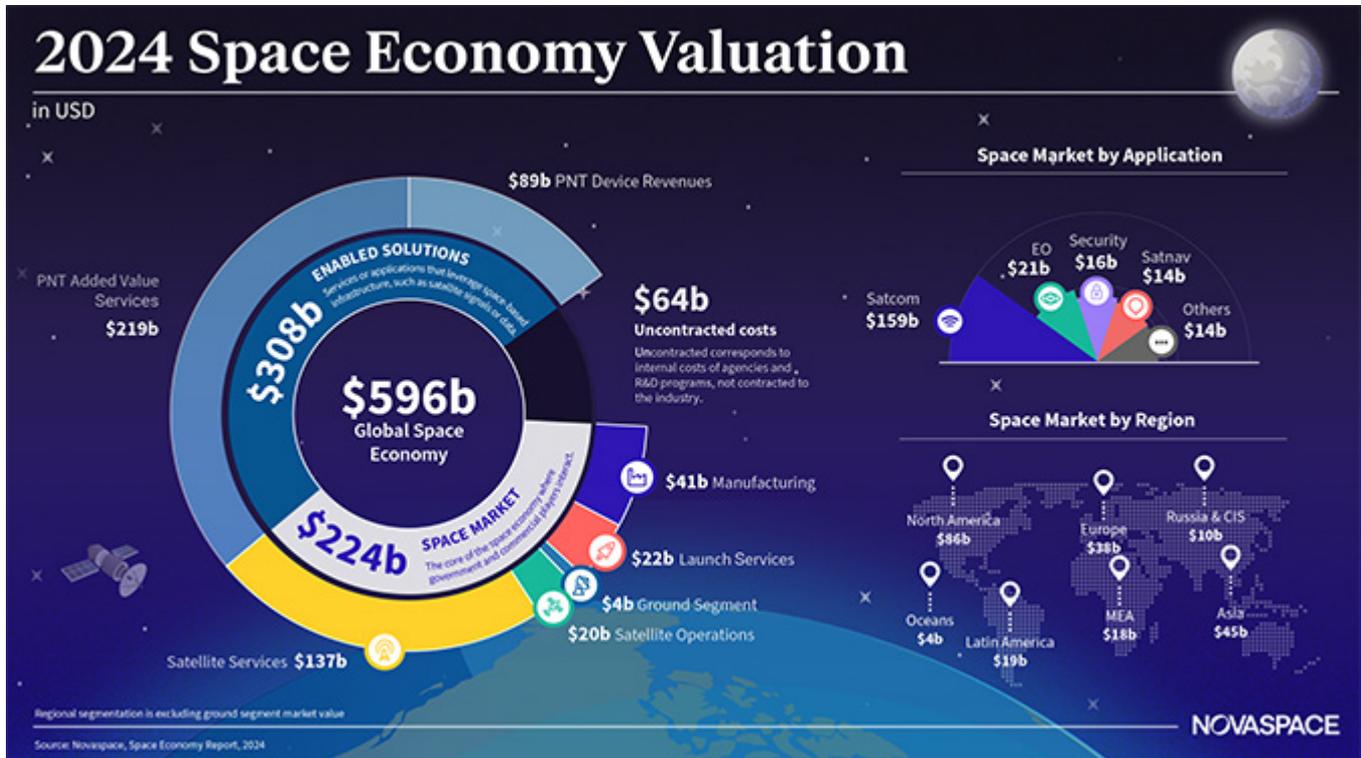
## Multi-Orbit Services

Speedcast was one of the first independent service providers to start offering multi-orbit services by combining service from Starlink with connectivity from GEO satellites in one service offering. This was a

game-changer for the industry, as the combination meant that service level agreements (SLAs) and committed information rates (CIRs) could be offered in conjunction with LEO broadband, making them attractive for enterprise level connectivity, where continuity of service is of vital importance.

The traditional GEO satellite operators have also been quick to realize that a multi-orbit strategy is now becoming a necessity. Many would say that that was one of the reasons behind Eutelsat’s acquisition of OneWeb. Interestingly, prior to the acquisition, OneWeb was already in partnership with Intelsat and this partnership remains, meaning that with SES’ acquisition of Intelsat, SES can now offer service in all three orbits. Not to be left out, ViaSat, one of the major GEO operators is partnering with Telesat to use Lightspeed, Telesat’s LEO constellation, scheduled to begin service during 2027.

Naturally, a multi-orbit service combines the “best” features of each orbit. LEOs provide low-latency near global coverage and high bandwidth. MEOs also provide high bandwidth, but are geared towards government and enterprise users and therefore come with on-the-ground support as standard. GEOs have wide-area footprints and some of the more recently launched satellites also provide steerable beams that can for example be moved to areas of temporary high demand; major sporting events, war



Novaspac predicts a robust growth trajectory for the global space economy, with projections suggesting 12% compound annual growth rate (CAGR) in the ten years to 2034, to reach a value of US\$1.01 trillion. (Graphic courtesy of Novaspac).

zones or areas of natural disasters for example.

These features vary in importance depending on the segment and even individual customer. For the Military and Government Sector, the prime advantage is resiliency and redundancy. Combined orbits provide mission assurance architecture. If one orbit or frequency experiences jamming, the signal can seamlessly be moved to another orbit. A multi-orbit service comes with built-in redundancy, so there is always backup if, for example, adverse weather conditions compromise bandwidth. The low latency from a LEO or MEO system is very important for tactical operations, whilst a national GEO satellite will provide sovereignty and secure gateways.

For Aviation, a multi-orbit strategy provides a seamless gate-to-gate

service, a consistent passenger experience and global coverage, including over polar routes. It also has the potential to provide additional capacity at major airports, landing rights in more countries and SLAs, so no more dropped connections mid-movie. Passengers today, expect to receive the same experience in the air that they do at home, so consistent high-speed connectivity, which can only be guaranteed with SLAs becomes a competitive advantage, as does the lower price point for LEO service, leading many airlines to provide free connectivity as a differentiator.

Cruise passengers have the same expectations as airline passengers, so being able to provide affordable, consistent broadband is a key differentiator. Similarly for merchant shipping, the crew, who may spend many months away from home, also want that reliable connectivity. But mar-

itime connectivity is not just about the personal needs of passengers and crew. Merchant shipping and fisheries need to keep in regular touch with shore management and need weather updates. So for the maritime industry, global connectivity is important, as is the resiliency provided by the ability to provide continuous service. Also, with the opening of the north-west passage, coverage of the polar region is of increasing importance. Historically, this has been a “dead zone,” as coverage from a GEO is virtually impossible due to the look angle.

**Orbital Connect – Growth and Reputation**

One company that is very focused on providing multi-orbit connectivity for its customers is Orbital Connect. Just six years old, Orbital Connect

*Continued on page 7...*

## Krasimir Terziev and Bobby Kirchev Orbital Connect

Seasoned telecommunications and satellite professionals **Krasimir Terziev** and **Bobby Kirchev** started together Orbital Connect in 2020. In a relatively short time, they built the company into one of the leading channel partners and authorized distributors of leading global hardware manufacturers and are now offering ground segment and connectivity services, among others. Satellite Executive Briefing Editor-in-Chief Virgil Labrador caught up with Krasimir and Bobby at their company's Los Angeles, California head office and discussed their company's current position in the industry and their future plans. Excerpts of the interview follows:

*It has been six years now since you both co-founded Orbital Connect. How do you see your company now and your position in the industry?*

**Krasimir Terziev, PhD:** We started as a reseller of RF equipment for the SATCOM industry. Our initial focus was on supplying products from selected leading manufacturers. Over time, as the requests and trust grew, we progressed to an authorized partner of some of the major players in the market. The goal shifted towards covering a broader range of ground equipment categories and helping customers procure reliable hardware in a faster and more efficient way.

Today, we are capable of delivering equipment, service, and technical solutions for more complex LEO, MEO, GEO, and HEO projects. Our portfolio includes satellite antennas, complete ground stations, and communication systems for land, maritime, and aeronautical applications. We deliver satellite VSAT antennas, radomes, modems, VSAT hubs, HPAs, LNAs, frequency converters, RF switching, RF over fiber, monitoring and measurement equipment, encoders, decoders, spectrum analyzers, broadcast contribution and headend solutions, as well as spare parts and accessories. We grew as a team, emphasizing engineering expertise and technical support. We assess SATCOM solutions suitable for applications across multiple sectors, including government and defense, maritime, energy, disaster recovery and first responders, education, transportation, and broadcast.

Among our key partnerships are those with companies such as iDirect, Kymeta, Norsat, Cobham, Intellian, Terrasat, Infinite, MediaKind, Calian, Global Invacom, Sat-Lite, WORK Microwave, Novelsat, and more. Witnessing how companies are looking for more than just

link, downlink, turnaround, colocation, and IP delivery services.

Another key element of our strategy is to stay up-to-date with the trends in the Satellite industry. What we observe is the adoption of the multi-orbit concept. The industry is searching and working toward building a new paradigm for vendors, operators, and players. This will create an opportunity for new applications for the clients. Networks combine LEO, MEO, and GEO paths to guarantee uptime, bandwidth availability, and service



**Bobby Kirchev and Krasimir Terziev**

the hardware, and along with the product, they often request integration, configuration, testing, and operational support, turned out to be a shifting factor for Orbital Connect. It drove us to seek partnerships with certified installation companies to provide deployment services across different regions. In the years ahead, we aim to deliver more technical solutions and add value to our clients. Currently, we represent more than 45 manufacturers and offer over 30,000 items. We actively collaborate with connectivity operators to deliver end-to-end LEO and GEO satellite connectivity including teleport up-

continuity. Customers expect redundancy, security, and predictable performance. Technologies such as SD-WAN, virtualized infrastructure, and cloud-based platforms expand service capabilities and automation. Our strategy follows this shift. We provide converged satellite and terrestrial communication solutions rather than standalone products. The focus is on reliable connectivity, integrated systems, and long-term operational support.

*You've recently added to your portfolio of services connectivity and teleport services. Talk about your connectivity capabilities and offerings?*

**Krasimir Terziev, PhD:** Yes, we added satellite connectivity and teleport services through some strategic partnerships with established global operators. A good example is Speedcast, which operates more than 35 WTA-certified teleports and over 30 points of presence worldwide. Our goal is to support customers by complementing satcom equipment supply with value-added connectivity and operational services. This includes supplying ground station and baseband equipment, performing system integration, and arranging colocation services at teleport facilities selected according to specific mission and operational requirements.

The approach is to provide customer support through the entire project lifecycle, from presales technical analysis and system architecture design, through equipment supply and integration, and into the satellite connectivity phase and operational deployment. This end-to-end involvement helps ensure consistency between ground infrastructure, network design, and service delivery.

Along with data connectivity, at Orbital Connect we provide professional broadcast solutions through cooperation with MediaKind and its cloud-native processing platform, Beam MK.IO. Using software-based architecture with scalable capacity and multi-format support, we offer encoding, decoding, multiplexing, and IP distribution services for channel delivery over both satellite and terrestrial networks.

Teleport facilities form the core infrastructure of satellite communication networks. With the rapid growth in the number of satellites in orbit, their role becomes increasingly critical for industry operations. They must therefore deliver high reliability, strong security, and

***“...What we observe is the adoption of the multi-orbit concept. The industry is searching and working toward building a new paradigm for vendors, operators, and players. This will create an opportunity for new applications for the clients...”***

continuous availability to ensure stable communication services.

*What challenges do the new multi-orbit environment pose for ground equipment and ground services providers and how is your company helping other companies meet these challenges?*

**Krasimir Terziev, PhD:** The transition to multi-orbit satellite networks introduces a new level of complexity for ground infrastructure and service providers. Traffic must eventually be routed across LEO, MEO, and GEO layers while maintaining stable connectivity and predictable performance, making compatibility and reliability fundamental design requirements.

Compared to traditional single-orbit systems, multi-orbit architectures introduce additional challenges related to satellite dynamics, frequent handovers, synchronization, and the coexistence of multiple waveforms and network policies. On the ground, these factors place increased demands on antennas, RF chains, modems, and network management platforms. Without careful system design and coordination, this added complexity can quickly translate into service degradation or operational instability.

From our perspective, one of the key challenges for industry is readiness. While large-scale multi-orbit deployments remain limited today, operators and end users are actively planning architectures that combine different orbits to improve resilience, coverage, and service continuity. This requires ground equipment and services designed with multi-orbit operation in mind, even when deployments are initially phased, selective, or use-case driven.

Orbital Connect is preparing for this expected growth by expanding its portfolio of multi-orbit-capable equipment and by developing internal expertise around system

design, integration, and interoperability. We engage with customers at an early stage to assess requirements, evaluate architectural options, and identify combinations of antennas, terminals, modem platforms, and terrestrial integration that could support future multi-orbit operations.

As cloud-native platforms, SD-WAN, and virtualization increasingly influence satellite network design, we see our role as helping customers build a foundation that can evolve over time. Rather than positioning fully deployed multi-orbit solutions as a near-term norm, our focus is on enabling customers to make informed design decisions today, so that their ground infrastructure and service models are ready as multi-orbit demand grows and commercial deployments mature.

*Can you provide us with more details on a specific case where you were able to provide a unique solution for one of your clients?*

**Bobby Kirchev:** If I'm honest, the technology itself isn't new. FoxCom has been doing GPS and Iridium re-radiation for hangars for many years, so this wasn't about inventing something unique. What was important for us was the way we took responsibility for the solution as a whole, not just for supplying the hardware.

In these cases, the challenge for the customer was simply being able to perform normal maintenance inside large hangars. Even when an aircraft is parked, they still need GPS and L-band signals for avionics checks, commissioning, timing, and safety-related tests. Some of the hangars block those signals completely, so some form of indoor distribution is required.

Our role was to look at each facility and decide how the system should actually be implemented. That meant understanding the size and height of the hangar, where antennas could realistically be placed, and whether a single or dual repeater setup made sense. In some cases, cable lengths and losses pushed us toward fiber instead of coax to avoid signal degradation. Those are practical decisions, but they matter if you want a system that works reliably day to day.

For us, this was a good example of how our role is changing. We're getting involved earlier, helping customers think through the design, coordinating with the manufacturer and installation partners, and making sure the solution is fit for the environment it's going into.

*How do you see your company going forward? What are your targets for this year and the coming years?*

**Bobby Kirchev:** Looking ahead, I see our development very much around stronger integration between satellite and terrestrial networks. We expect more demand for solutions that combine satellite connectivity with 5G and traditional ground networks, and for architectures where connectivity can be managed more autonomously depending on what is available, whether that is GEO, LEO, MEO, or 5G.

Another important direction for us is the development of cloud-based solutions, particularly in cooperation with platforms such as Amazon Web Services and Microsoft Azure. What we see from our customers is a growing need for more complete, cloud-integrated solutions rather than isolated pieces of infrastructure.

At the same time, we are very realistic about execution. We're not trying to do all of this at once. Our focus is on building these capabilities gradually, following customer demand and staying disciplined about what we can deliver well.

In the near term, one of our concrete goals for this year is to increase our involvement in government projects. We are working toward becoming a GSA contractor, which would allow us to support public-sector customers more effectively and in a structured way.

At the same time, we will continue the path we have already taken by expanding the number of vendors and products in our portfolio. This remains important for us, as it allows us to address ground segment requirements more comprehensively and to stay flexible when designing solutions for different use cases.

We also see strong demand from commercial customers looking for redundancy and diversification of their existing networks. In many cases, this means combining traditional telecom infrastructure with VSAT, OneWeb, and Starlink services.

Finally, an important part of our forward strategy is the continued development of our self-care customer portal, where customers can more effectively monitor, track, and manage their services. In this overall combination between hybrid connectivity, cloud integration, and better service management is where I see the direction in which Orbital Connect will continue to grow. 

From page 3...

continues to grow with the industry. Initially, a reseller of RF ground equipment for the satellite industry, now emerging as a true powerhouse; Orbital Connect supplies equipment, service and most importantly tailored technical solutions for complex projects for its customers.

Putting together a complete sat-com solution is a challenging task, particularly in today's multi-orbit environment. A complete communication network usually depends on ground equipment from several different vendors flawlessly working together: antennas, modems, hubs, amplifiers, block up and down-converters etc. For the customer this can be a challenging task. Assembling the network requires knowledge and understanding of different vendors and pieces of equipment, and how to integrate them all. A daunting task initially, and a horrendous task when something goes wrong with an operational network. A far better solution is to work with a skilled and reputable integrator such as Orbital Connect, who can not only design the system, but can also install it and provide after-sales service.

Orbital Connect now offers over 30,000 pieces of equipment from over 65 manufacturers, including many of the leading names in the industry: ST Engineering iDirect, Kymeta, Cobham, Intellian, Calian, Work Microwave, Novelsat, Paradigm Communications, SES, Iridium, Speedcast, OneWeb, Globalstar etc.. These companies are proud of their reputation, so distributors have to meet stringent requirements before being allowed to represent them; therefore customers working with Orbital Connect can feel confident that they are working with a well-qualified and knowledgeable distributor.

Image: iStock.credit:Oselete



**“...A multi-orbit service combines the “best” features of each orbit. LEOs provide low-latency near global coverage and high bandwidth. MEOs also provide high bandwidth, but are geared towards government and enterprise users and therefore come with on-the-ground support as standard. GEOs have wide-area footprints and some of the more recently launched satellites also provide steerable beams that can for example be moved to areas of temporary high demand...”**

Orbital Connect has grown with the industry and with its customers. As it established itself as a reliable supplier of quality RF equipment, customers turned to Orbital Connect for products in other parts of the value chain. Consequently, its product portfolio grew to encompass multiple categories in the ground segment. At the same time Orbital Connect strengthened its reputation by becoming a certified partner for many of the industry's leading names.

Now, Orbital Connect's range of equipment offerings includes:

- Antennas
- Ground stations
- Modems
- Hubs
- Converters
- RF over fiber
- Monitoring and measuring equipment

- Broadcast contribution and headend solutions
- Spare parts and accessories.

As part of its progress towards being a full-service integrator, Orbital Connect continues to grow and educate its workforce, gaining both US Government Federal: SAM, FRN, NIST certifications as well as many commercial certifications including:

- Norsat Introduction to Satellite terminals
- iDirect Silver Partner Certificate
- Intellian Certified Partner
- Inmarsat FX Installation Certified staff
- Iridium LT 3100S GMDSS Technical installation Certified staff
- Profen Silver Partner
- Peplink Gold Partner
- Kymeta Certified Partner
- Credlepoint Certified Partner
- ISO 9001:2015

## Orbital Connect's Earth Observation Solution

As part of its move towards service provision and end-to-end connectivity, Orbital Connect has developed a ready-to-operate ground segment solution for LEO earth observation. LEO satellites have the advantage of low latency and high bandwidth, however, they also have the disadvantage of moving rapidly, relative to any fixed point on earth, passing over in only six to twelve minutes. This means that in order to maximize their potential, a robust ground segment is essential. Reliability is not optional, it directly determines how much data can be captured during each satellite pass and whether critical imagery can be preserved.

Utilizing their knowledge and close relationships with equipment suppliers, the team at Orbital Connect have created a solution tailored to the needs of the earth observation industry. Working closely with Cobham and Work Microwave, Orbital Connect has created a fully integrated ground station solution for LEO earth observation.

The system covers the entire operational chain including:

- LEO auto-tracking antenna system
- Customer specific RF subsystems (BUC and LNB)
- Satellite Modem
- Processing and data handling software.

The Cobham TRACKER 3700 and 6000 series antennas are at the core of the solution. These systems feature:

- Integrated auto-tracking
- Precision three-axis closed loop stabilized pedestals

- 3.7 or 6 meter composite prime focus reflectors
- High G/T performance and large aperture, so enabling reception at weak signal strength and low elevation angles
- Radome for protection in harsh environments
- Hybrid X/S band fees

Unlike traditional X/Y tracking antennas that require deep foundations, and can take months to build, these inertial balanced antennas from Cobham require only minimal civil engineering work for the foundation and cabling infrastructure, so can be operational in days. The TRACKER antennas are compatible with multiple spacecraft standards and constellations and are recognized for quality and long-term reliability.

The AX-62 ground modem from Work Microwave acts as the central interface between the antenna system and the mission data chain. It supports CCSDS and DVB-S2/S2X waveforms within a single software defined multi-mission platform. This flexibility enables:

- Telemetry downlink and telecommand uplink across a wide symbol range
- Support for nanosat, CubeSat and high throughput earth observation payloads.
- Integration of new satellites or constellations without any hardware replacement
- A scalable, multi-mission ground segment suitable for both dedicated systems and shared commercial ground systems.

With this reliable, ready-to-use system, Orbital Connect can support a broad range of LEO applications including: environmental monitoring, disaster assessment, border monitoring and infrastructure inspection. Commercial users can leverage the data for insurance modeling, supply chain visibility, urban growth tracking etc..

For the user, this system enables automated operations with minimal user intervention.



As customer expectations and needs shifted from hardware procurement to full-service integration and installation, Orbital Connect grew to meet those needs, by expanding and training its workforce and partnering with certified installation companies, so as to be able to support projects in many regions, so as to ensure that the solutions delivered are fully operational and tailored to local conditions.

Today, it is able to offer network configuration, integration, installation, testing and full deployment. As an Speedcast Partner it has access to over 30 teleports, all World Teleport Association (WTA) certified tier 3 or 4 and is able to provide colocation as well as end-to-end connectivity service connecting to the terrestrial backbone. Orbital Connect itself is also a WTA member

Orbital Connect has a well-trained workforce and project support covers everything from analysis and design to full operational deployment and post-sales support should the need arise. By combining proven hardware from leading manufacturers with systems integration and installation expertise, with a network of global teleports, Orbital Connect is able to provide customers with a seamless path to reliable network service. Whether that be fixed VSAT, maritime VSAT, satcoms on the move (SotM), Starlink, OneWeb, or 4G LTE/5G.

### Looking to the Future

Utilizing their knowledge and close relationships with equipment suppliers, the team at Orbital Connect have created a solution tailored to the needs of the earth observation industry. Working closely with Cobham and Work Microwave, Orbital Connect has created a fully integrated ground station solution for

***“...As customer expectations and needs shifted from hardware procurement to full-service integration and installation, Orbital Connect grew to meet those needs, by expanding and training its workforce and partnering with certified installation companies, so as to be able to support projects in many regions, so as to ensure that the solutions delivered are fully operational and tailored to local conditions...”***

LEO earth observation (See Product Spotlight on page 8).

The earth observation system is just one example of how Orbital Connect is growing with the industry. Initially its ground segment products were VSATs dedicated to GEO satellites, now, as already described, it provides equipment for Starlink and earth observation LEO satellites.

With its stellar reputation, it is not surprising that customers are now asking for more than just ground segment equipment. They are looking to Orbital Connect for the “complete package,” including the space segment. Entering this segment requires considerable planning, not only is it essential to establish relationships with the bandwidth providers, it is equally essential to have staff that understand this segment of the value chain and can provide the high caliber service that Orbital Connect has built its reputation on. Recruitment and training is underway, and in the last few months Orbital Connect has

recruited someone to focus on the maritime sector and someone to focus on after-sales support.

Given its attention to customer satisfaction, coupled with its deep understanding of the industry, it is no surprise that Orbital Connect has a stellar lineup of both government and commercial customers. These include: Aerospace Corporation, SES, OHB Sweden, Globecast Americas, Telespazio, L3 Harris, Northrop Grumman, iHeart Radio and Raytheon on the commercial side and the US DoD, the United Nations, the US Agency for Global Media, the US Antarctic Program, the US House of Representatives and the JKU University of Linz. As it expands to become a full service operator, as well as an equipment supplier, there is no doubt that this list of reputable clients will continue to expand. 



**Elisabeth Tweedie** is Associate Editor of the Satellite Executive Briefing has over 20 years experience at the cutting edge of new communications entertainment technologies. She is the founder and President of Definitive Direction ([www.definitivedirection.com](http://www.definitivedirection.com)), a consultancy that focuses on researching and evaluating the long-term potential for new ventures, initiating their development, and identifying and developing appropriate alliances. She can be reached at: [etweedie@definitivedirection.com](mailto:etweedie@definitivedirection.com)

## TRACKER 3700:

## Any Orbit, Any Network, Anywhere

## Precision Tracking for High-Throughput Ground Stations

As Low Earth Orbit (LEO) missions continue to expand across Earth observation, maritime surveillance, and satellite IoT networks, the performance of the ground segment has become a decisive factor in overall system efficiency. Orbital Connect is seeing demand for tracking systems that combine mechanical precision, operational reliability, and high data-rate capability.

TRACKER Gateways and User Terminals have been selected by LEO/MEO constellation operators, government agencies, and EO and New Space service providers based on proven performance and reliability, robust design suitable for all environments, low total cost of ownership, and Cobham SATCOM's ability to meet demanding implementation schedules.

Cobham SATCOM has helped lead development of EO and New Space through its proven TRACKER 3700 EO and 6000 EO series of cost-effective, easily configured, and highly reliable satellite tracking systems. TRACKER EO systems are in wide-scale operation and have become a leading choice for:

- Mission-critical satellite search and rescue organizations
- Marine traffic and monitoring services
- Earth Observation and imagery companies
- Emerging satellite IoT and M2M providers

The TRACKER 3700 EO is modular and easily configurable, whether for receive only or transmit/receive, in the widely used S/X band or other single or dual-band combinations. Three-axis tracking with protective radome allows operation in the harshest environments and ensures accurate tracking at all times, with optimum signal quality, uninterrupted passes, low power consumption, and high reliability.

For operators balancing performance with site constraints, the 3.7-meter aperture offers an optimal combination of gain, structural robustness, and manageable



TRACKER 3700 EO

infrastructure requirements. This makes the system particularly well aligned with commercial EO networks, government programs, and emerging LEO constellation operators seeking reliable ground reception without the larger footprint of 6-meter class systems.

The TRACKER 3700 EO can be configured for C Band, Ku Band and Ka Band, in any combination. Customers can start with a single or dual band system and upgrade to dual or triband if or when required.

The RF architecture offers the most efficient design in the industry, permitting up to almost double the RF power with the same size antenna and enabling higher throughput and margins. The optimized RF performance includes superior cross-pol isolation; full transmit waveguide to keep the Tx and Rx units close to the feed (OMT), minimizing loss while increasing RF performance; and full illumination of the reflector to maximize gain efficiency. Additionally, this RF design allows the user to configure and reconfigure with of a much broader range of leading commercial RF units than competing systems. 

The TRACKER 3700 is available in Orbital Connect's online store at:

[store.orbitalconnect.com/cobham-satcom-tracker-3700/](https://store.orbitalconnect.com/cobham-satcom-tracker-3700/)

# TACTICAL TRACKER

Multi-Domain. Multi-Band / Multi-Orbit

- » LEO-MEO-GEO-HEO
- » S, C, X, Ku, Ka Bands
- » Rapid Deploy / Rapid Retrace
- » Auto-tracks satellites in less than 10 seconds
- » Accurately track everything with a satellite frequency

