



# OpenSpace Platform: Multi-Orbit Access Solution

Scale Capacity, Manage Redundancy and Maximize QoS

Satellite service providers are looking to deliver the highest quality of service to their customers by leveraging a range of transport options from LEOs, MEOs, GEOs, terrestrial links or all of them together. This hybrid networking approach comes with challenges including increased management complexity, scalability issues and the need to ensure resilience across the end-to-end network.

## OpenSpace Platform and Multi-Orbit SD-WAN Solution

To address this issue, the OpenSpace Platform, the first digital, fully virtualized, and orchestrated ground system in the satellite industry offers Software-Defined Wide Area Network (SD-WAN) multi-orbit capabilities.

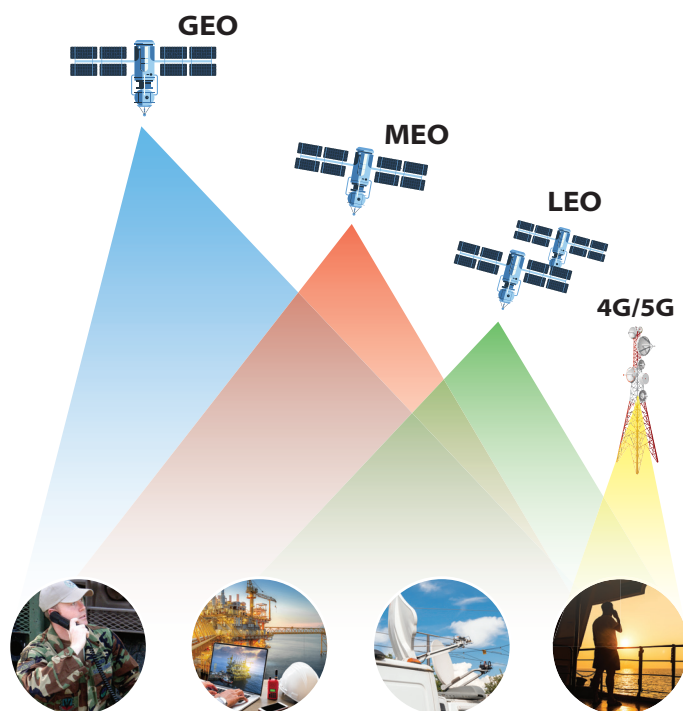
This solution is ideal for service providers and end users that are considering using multi-path/multi-orbit connectivity to meet their requirements for link aggregation, service resiliency, and cost optimization.

As a fully software-defined system, the OpenSpace Platform manages network traffic across multiple connections, providing greater flexibility, scalability, and cost-efficiency compared to traditional WANs that are limited by dedicated hardware and manual configuration.

In partnership with XipLink, the OpenSpace Platform offers a field proven multi-orbit SD-WAN solution that bonds the links of GEO, MEO, LEO, 5G, 4G and terrestrial IP links. This enables service providers to benefit from intelligent management of bandwidth, optimization and application aware QoS with resiliency and seamless failover.

## Experience the Benefits of a Multi-Orbit SD-WAN Solution

The OpenSpace SD-WAN solution achieves a throughput of more than 95%, which is about 30% more than most competitive technologies. It also offers 30% plus faster response times – ensuring a better Quality of Experience (QoE) for customers.



*With the OpenSpace Platform optimize transport across orbits.*

Additional benefits include:



**High Availability and Redundancy:** Utilize multiple network paths simultaneously to automatically switch to a backup connection in case of network outages and to minimize downtime.



**Cost-Effectiveness:** Leverage different network types to choose the most cost-effective option based on your customer needs and location.



**Optimize Bandwidth Utilization:** Manage traffic across multiple satellite orbits and links to ensure the optimal use of available bandwidth.



**Simplified Management:** Manage the entire network across diverse locations using a centralized dashboard as your single point of control.



**Maximize Application Performance:** Prioritize critical applications and ensure a smooth user experience regardless of network conditions.



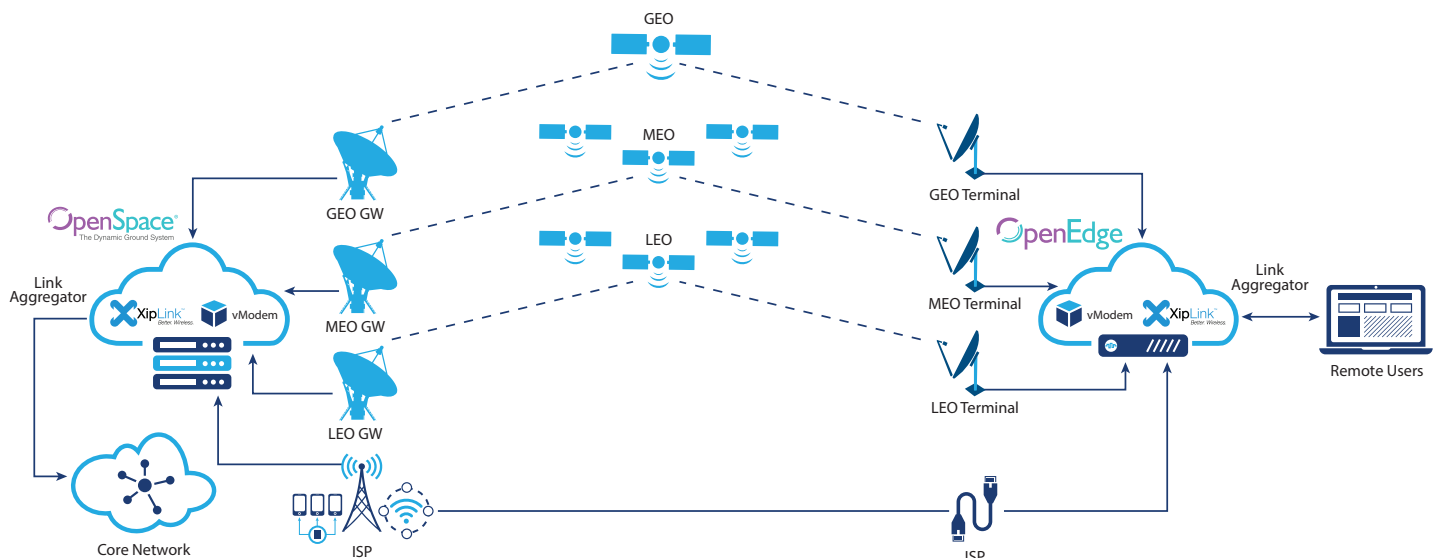
**Improved Quality of Experience (QoE):** Ensure consistent performance for real-time applications like video conferencing and VoIP.



**Scalability:** Add new locations or increase bandwidth as business requirements evolve.

## Deployment of SD-WAN on the OpenSpace Platform

Multi-orbit SD-WAN services can be deployed in minutes by spinning up virtual modems and the XipLink software on the OpenSpace Platform at the gateway and the OpenEdge, a flexible software-defined terminal solution. Like the OpenSpace Platform, the OpenEdge uses standard Intel x86 CPUs in a small factor, with no FPGA or GPU acceleration required.



*OpenSpace Platform deployment with SD-WAN multi-orbit capabilities.*

### For More Information

To learn more about the OpenSpace Platform please refer to these additional resources:

Website: [www.KratosDefense.com/satcom](http://www.KratosDefense.com/satcom)

Videos: [www.youtube.com/@DiscoverVirtualGround](https://www.youtube.com/@DiscoverVirtualGround)

Contact us: [www.KratosDefense.com/contact-us](http://www.KratosDefense.com/contact-us)



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