OpenSpace®

OpenSpace Platform: Enabling Carrier Ethernet Over Satellite
Enable Scale, Automation and Zero Touch Operations

With ongoing innovations and growth in space, satellite operators and service providers are looking for new satcom solutions to keep pace with space. The OpenSpace Platform is the first fully virtualized, software-defined and orchestrated ground system in the satellite industry.

OpenSpace is a cloud-native platform that leverages telecom standards such as Carrier Ethernet to enable highly scalable and zero-touch automated operations. This allows satellite operators and service providers to deploy carrier-grade connectivity services, interoperating seamlessly with terrestrial telecom networks. This aligns satellite with all other access technologies communication service providers use to deliver a standard portfolio of enterprise services.
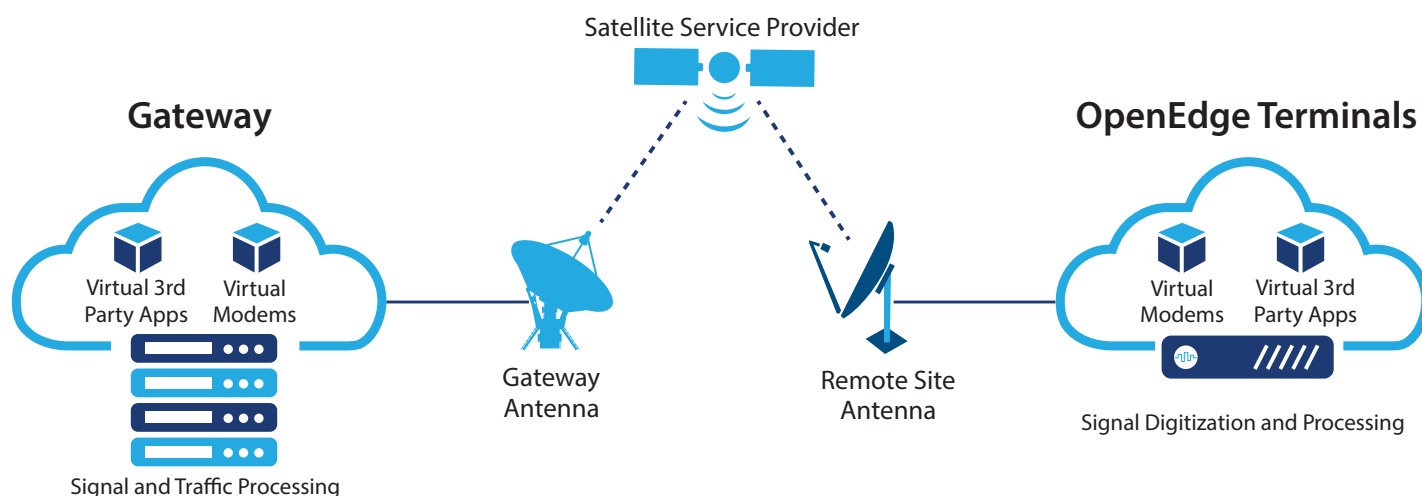
MEF 3.0 CERTIFIED

OpenSpace is the satellite industry's first MEF 3.0 Carrier Ethernet Certified Platform, a standard widely deployed across the telecom industry for enterprise-scale service delivery.

The OpenSpace Platform integrates seamlessly with OpenEdge, a flexible software-defined terminal solution. The OpenEdge brings more power and flexibility to the network's edge. Virtual modems and third-party applications run together on Universal Customer Premise Equipment (uCPE) that is optimized for size, weight and power (SWaP) requirements.

OpenSpace – A Dynamic Satcom Platform that Keeps Pace with Space

The OpenSpace Platform enables dynamic operations from the gateway to the edge. At the gateway, the OpenSpace Platform runs on a small footprint of commercial-off-the-shelf servers or in a cloud environment. Based on telecom standards, it deploys satcom services in minutes by spinning up virtual modems and third-party software applications (SD-WAN, traffic optimization, encryption, etc.) at the gateway and the OpenEdge to enable fully orchestrated services.

The OpenSpace Platform is an end-to-end digital satcom system from the gateway to the OpenEdge remote.

Experience the Benefits of the OpenSpace Platform

The OpenSpace Platform allows satellite operators and service providers to:

- Deploy Services in Minutes.
- Virtualize, Save Space and Reduce Costs.
- Enable Fully Automated Software-Defined Satcom Links.
- Seamlessly Integrate with Carrier Networks to Extend Telecom Services.
- Scale on Demand with Customer Growth.
- Deliver High Throughput and Availability.
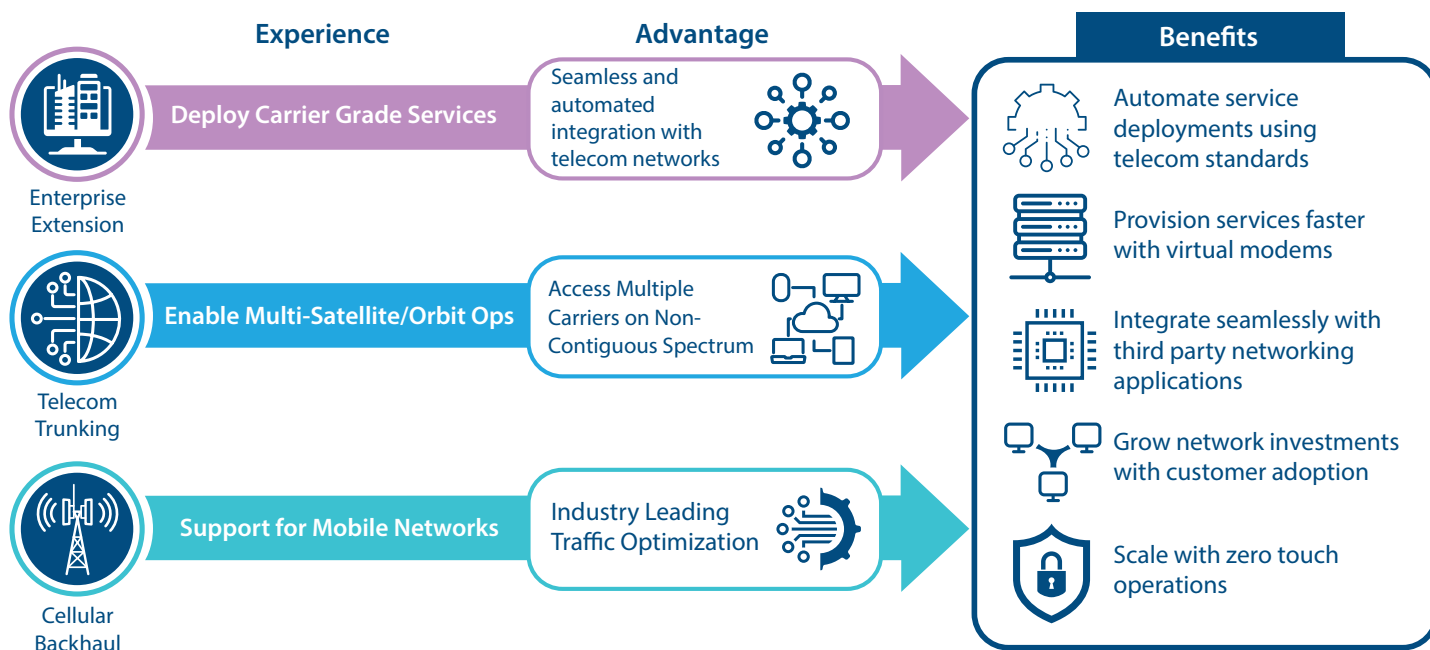- Support for Multi-Orbit Operations.
- Enable Zero Touch Operations.

OpenSpace – A Powerful Platform that Supports Multiple Satcom Applications

The OpenSpace Platform supports key satcom applications including enterprise network extension, cellular backhaul and telecom trunking. Beyond Carrier Ethernet grade service delivery and third-party applications, the OpenSpace Platform provides key advantages for each satcom application.

Embracing Carrier Ethernet standards makes the OpenSpace Platform, a powerful solution for enterprise network extension, allowing operators to seamlessly and automatically integrate satellite services with their terrestrial partners. High performance connectivity and innovative multi-orbit capabilities on the OpenEdge power new trunking solutions. In addition, cellular backhaul services are supported by industry-leading traffic optimization capabilities.

	Experience	Advantage	Benefits
Enterprise Extension	Deploy Carrier Grade Services	Seamless and automated integration with telecom networks	Automate service deployments using telecom standards
Telecom Trunking	Enable Multi-Satellite/Orbit Ops	Access Multiple Carriers on Non-Contiguous Spectrum	Provision services faster with virtual modems / Integrate seamlessly with third party networking applications
Cellular Backhaul	Support for Mobile Networks	Industry Leading Traffic Optimization	Grow network investments with customer adoption / Scale with zero touch operations

The OpenSpace Platform powers key satcom applications.

KRATOS
READY FOR WHAT'S NEXT™

OS-035