

Secure, resilient satellite communications for personnel in extremely remote locations

Dispersive Case Study

Ovzon

AT A GLANCE

Challenges

- Connecting extremely remote critical personnel
- Overcoming the inherent latency of satellite
- Very small networking team
- Need for nation-state level security and uptime

Customer Value

- Enhanced Uptime
- Improved Security
- Simplified Deployment

Improved ROI

Improved ROI: Lowered network costs by eliminating dedicated MPLS circuits and reducing administrative costs.

CUSTOMER PROFILE

Ovzon, AB (Ovzon) is a leading provider of satellite communications services catering to government, NGOs, and commercial sectors worldwide. With a commitment to delivering uninterrupted connectivity to clients in remote and challenging environments, such as maritime and hostile locations, Ovzon operates teleport ground station facilities, their own Satellite (Ovzon 3) and serves clients across the globe.

CHALLENGES

Ovzon faced the challenge of connecting critical personnel securely while they work to deliver services in extremely remote locations, without the benefit of dedicated network links. Not only did they need to connect their teams in distant locations, but they need to also then set up connectivity for their customers in locations such as ocean bound vessels or remote areas of countries with unreliable internet.

While Ovzon delivers high quality satellite communications as a service, satellite itself is still inherently full of latency which can make it difficult if not impossible to use certain applications. Complicating this environment is the fact that country borders are being crossed and what's allowed on the internet varies greatly.

THE SOLUTION

Dispersive's Stealth Networking intelligent network acted as an overlay solution that addressed Ovzon's critical needs by leveraging its proprietary routing algorithm and advanced traffic management capabilities. By deploying Dispersive's solution across multiple network providers in an active-active mode, Ovzon could efficiently distribute data traffic across the most optimal paths, ensuring uninterrupted flow even in the face of link disruptions or attacks, and even function across global internet links without any impact to performance.

DEPLOYMENT ARCHITECTURE

At each teleport and management location, Ovzon utilizes multiple independent network providers, connecting them to a Dispersive-configured appliance. This appliance leverages all connections in an active-active mode, distributing data traffic across multiple paths simultaneously, increasing throughput and reducing the risk of connectivity loss. If one network experiences issues, traffic seamlessly moves to other available pathways.

Dispersive also solves management issues in remote, bandwidth-constrained environments, such as clients on vessels in open waters where satellite is the only communication option. When the radio link is misaligned, the connection is temporarily lost, causing problems like data loss, broken data streams, and additional time for computers to reconnect.

Using DispersiveCloud, the team connected three independent satellite radios to a Dispersive-configured appliance. The resulting network maintained continuous connectivity, compared to the intermittent loss experienced with traditional single-pathway configurations, and was robust enough to handle demanding applications like video.



PER NORÉN
CEO, Ovzon

"Dispersive's unique stealth networking adds another valuable component to the multi-layered protection of our systems and will play an important role in enabling a secure infrastructure for the soon-to-launch Ovzon 3 satellite."

KEY BENEFITS

Enhanced Uptime

Intelligent traffic management ensures uninterrupted data flow, guaranteeing near 100% uptime for Ovzon's clients.

Improved Security

The solution's inherent obfuscation and advanced security features protect sensitive data, meeting the stringent requirements of government and intelligence communities.

Simplified Deployment

Dispersive's easy-to-deploy cloud-based solution allows for quick implementation and automation, reducing the complexity of managing disparate network providers.

RESULTS

By implementing Dispersive's solution, Ovzon achieved 100% uptime connectivity to management assets, even from ocean-going vessels, providing industry-leading security and connectivity to its customers.

FUTURE PLANS

Ovzon is moving forward to embed Dispersive into their SatCom as a Service bundles for mission-critical end customers following the launch of their newest satellite. Additionally, Ovzon is scaling the management network for their team across back-office locations and looking to network remaining personnel that are office located and not just in the field.

Harness the power of unseen security with Dispersive Stealth Networking

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