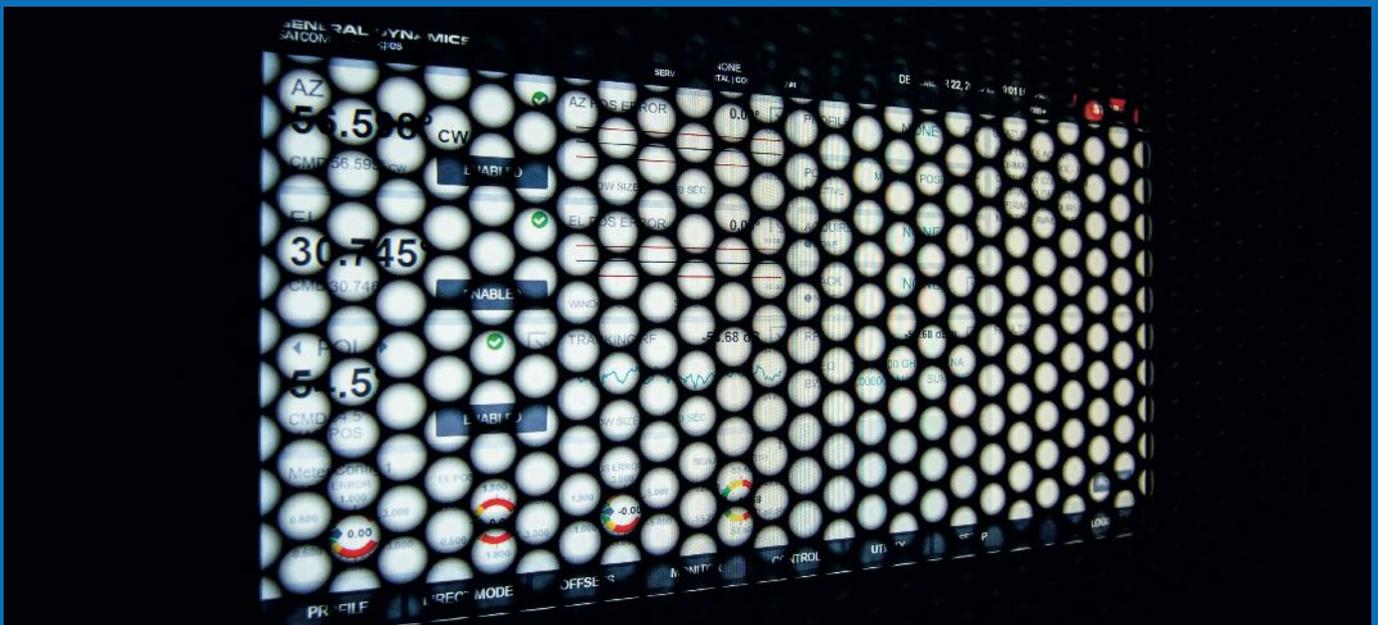# MANAGED PRIVATE NETWORK

CNO - Customer Network Observer or real time monitoring of proprietary network

The CNO option is a monitoring-only solution for customers who want to view the status of their VSAT network, but do not want to take on the responsibility of directly configuring and managing their remote sites. With this option, they have the ability to monitor their specific set of remotes/clients, including real-time utilization statistics and remote site status.

Virtual Network Operator (VNO) or real-time monitoring and administration of proprietary network.

The VNO option is a solution that includes the features of CNO, in addition to the management function for the VSAT network. Based on the model they choose, customers can activate, cancel, and modify services; manage the use of bandwidth for each site separately and in groups; define SLA and QoS profiles according to their needs; and apply changes in real time without the need for Servicio Satelital to intervene. If required, the customer has the option of acquiring Tx/Rx hardware fully dedicated to their group of VSATs, thus ensuring the availability of resources for their private network.

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State-of-the-art satellite platforms

iDirect Evolution, with its open, scalable, and efficient architecture, offers high quality, flexible, and low latency broadband services, making it suitable for various critical applications such as communications for the oil industry, emergency services, and any others that require reliable and highly available connections.

Main features:

▸ State-of-the-art DVB S2X digital broadcasting standard
▸ Satellite modem for easy configuration and quick deployment
▸ Lowest star topology latency on the market
▸ Modern and robust infrastructure with virtualization and 100% redundancy

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Gilat SEIIC X Chassis represents the latest advances in satellite transmission technology, incorporating support for multi-beam HTS satellites and native GTP (GPRS Tunnelling Protocol) acceleration.

This grouping of features provides support for high-speed networks and specific applications such as cellular backhaul, on-board internet, and high-speed services. In addition, it has automated processes for all stages of the service, allowing for an agile installation and efficient management, simplifying operation and administrative needs.

Robust satellite modems complement the platform, guaranteeing always on connections with complex traffic handling, without the need for devices such as external traffic meters.

Main features:

▸ DVB SX2 and LDPC broadcast standards
▸ Multiple optimizations for cellular backhaul
▸ Easily scalable modular architecture
▸ Robust, high-performance satellite modems

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Servicio Satelital

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Satellites with which we operate

ARSAT-1

Geostationary satellite operated by the Argentinian state-owned company ARSAT and built by the technology company INVAP, provides data transmission, IP telephony, and digital television services, among other things.

ARSAT-1 was financed and developed entirely in Argentina and covers their entire countries' territory.

INTELSAT IS37e

HTS (High Throughput Satellite), operated by Intelsat, features the latest technological advances in high-speed satellite transmission, serving the growing demand for bandwidth.

Bandwidths offered

Download speeds up to 45 Mbps and upload speeds to 20 Mbps in dedicated services.

▸ iQ/X1 BUC 3W Download: 95 Mbps Upload: 3 Mbps
▸ Capricorn 4 / Gemini 4/e BUC 4W Download: 95 Mbps Upload: 5 Mbps
▸ Capricorn 4 / Gemini 4/e BUC 8W / Antena 1.2m Download: 95 Mbps Upload: 7 Mbps
▸ Capricorn 4 / Gemini 4 BUC 8W / Antena 1.8m Download: 95 Mbps Upload: 10 Mbps

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MANAGED PRIVATE NETWORK

TLP Infrastructure

Complementing the technological offer, our primary antennas are equipped with the latest advances in satellite communications and monitoring. Fully redundant transmission and reception chains are linked by fiber optics to our satellite HUBs and monitored 24/7 by modern monitoring systems. Automatic digital control motors provide optimum signal levels, and weather compensation systems guarantee operation in any circumstances. This provides continuous availability and best quality in our services.

All platforms are managed by our engineering and NOC team, trained and certified abroad by the manufacturers in training centers at their headquarters.

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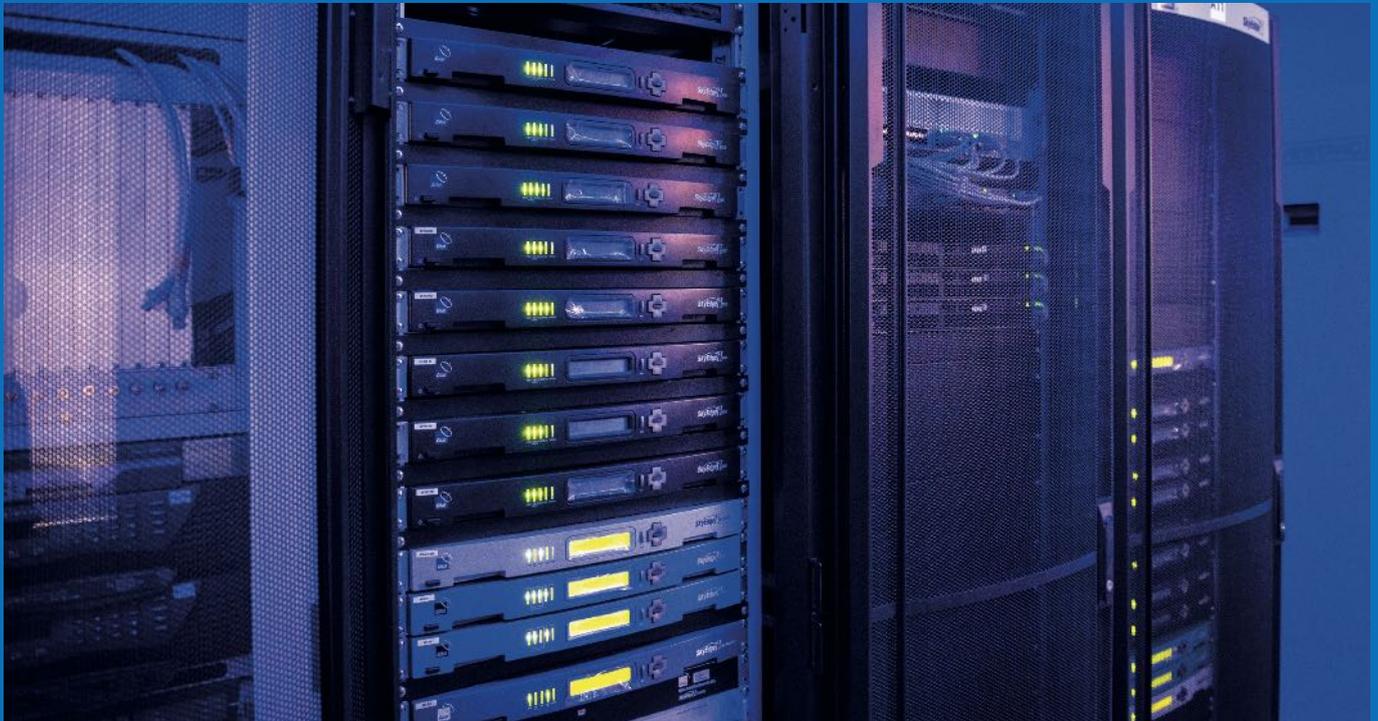# MANAGED PRIVATE NETWORK

Transmission antennas:

▸ 6.3m / 4.5m / 3.8m Master Antennas
▸ Available power levels of: 750W / 380W
▸ State-of-the-art GDSatcom control and monitoring equipment

Infrastructure:

▸ High-capacity and high-availability Uninterruptable Power Supply (UPS)
▸ Smoke, temperature, and humidity detectors
▸ FM-200 fire suppression system
▸ Biometric access at all access points
▸ Closed-circuit cameras
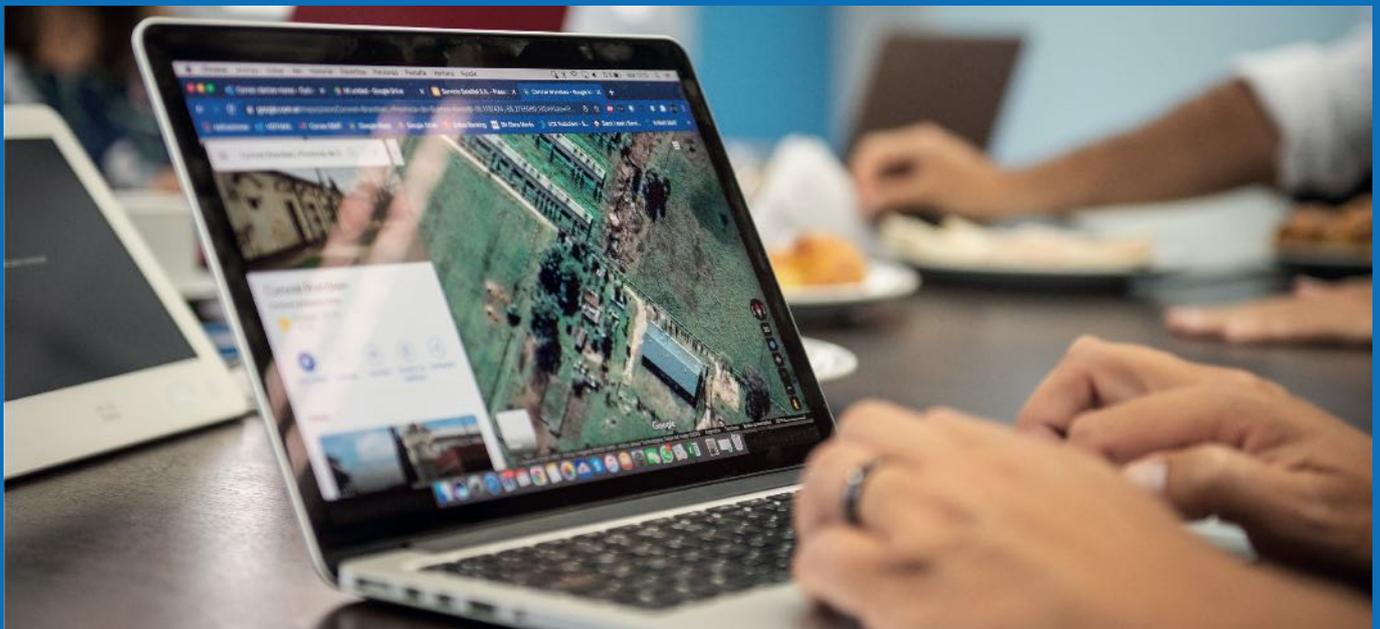

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MANAGED PRIVATE NETWORK

Our **Managed Private Network** (MPN) service allows the user to define a dedicated satellite bandwidth and connect the number of remote sites with VSAT terminals that are required without geographical limitations; the terminals use resources from a dedicated satellite's capacity.

With these features, the user can adjust the bandwidth and add the number of remote points required, expanding their site network at lowest cost.

Each terminal can be individually configured, and its bandwidth profile defined within the network, with the capability to access internet, data, and telephone services.

It can include viewing real-time statistics, control of remote-site settings such as QoS and filtering, and the ability to create group QoS profiles to allow secure end-user service level agreements (SLAs), all without the expense of a large-scale Satellite HUB and transport solution.

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