Milexia
Partner Profile

Company

Milexia is a technology-driven company that provides advanced Satcom solutions for a variety of applications. The team are experts in the design, development, and deployment of tactical terminals and IP networks that can operate in challenging environments and support secure and reliable communications. The company offers a range of products and services, such as antennas, modems, routers, switches and network management systems.

Markets

Military, Government and Commercial, with headquarters in France and technical offices in Italy, Spain, Germany and the UK.
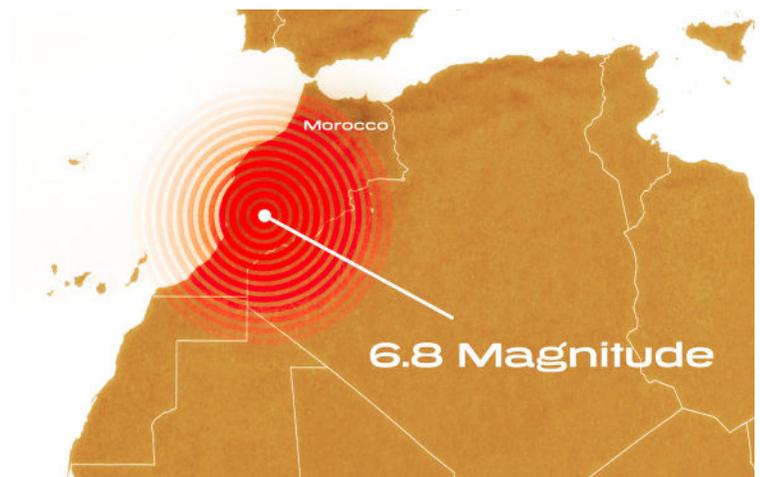
Terminals Built for Action

Milexia's terminals are designed to offer high performance, reliability and flexibility, while being easy to install and operate. They are compatible with different satellite constellations and frequency bands, including Ka-band, Ku-band and X-band. They are fully integrated with the ST Engineering iDirect range of IP modems and offer many advanced features, such as adaptive coding and modulation, beam hopping and interference mitigation and deliver superior quality of service, lower cost of ownership and higher customer satisfaction.

Rapid Response to the Morocco Earthquake

When a magnitude 6.8 earthquake struck the northern coast of Morocco on September 8, 2023, widespread damage was caused to buildings, infrastructure and communications networks. The Moroccan government declared a state of emergency and mobilized rescue teams and humanitarian aid to assist the affected areas.

Milexia was selected by UK International Search and Rescue (UKISAR) to provide an ultra-portable communications system for the duration of the first responder search and rescue operation for the UK's 70 strong emergency team.

The team deployed to Morocco on September 10th with the Milexia supplied Holkirk Scorpion-lite, a portable and ruggedized terminal that delivers high-speed broadband connectivity in any environment. The Scorpion-lite was pre-configured to operate within the INTELSAT FlexMove network.

One of the key components is the ST Engineering iDirect iQ 200 modem board on the Velocity® platform. This enables Intelsat to offer a single bandwidth pool across multiple spot beams, support seamless mobility across different satellites and regions, and ensure carrier-grade reliability and resiliency for mission-critical applications.

The Scorpion-lite on the INTELSAT FlexMove network provided a fast and efficient solution for the UKISAR team in a challenging remote environment, enabling them to restore connectivity and help those affected.

On ST Engineering iDirect

Milexia has been working with ST Engineering for over 30 years, delivering innovative products and services to meet the needs of our customers. Milexia and ST Engineering have a strong partnership based on mutual trust, respect, and collaboration. They share a common vision of creating value for their stakeholders and contributing to the advancement of technology and society.

Milexia has achieved a major milestone by obtaining the certification of its managed service platform from the top three satellite operators: Eutelsat, Intelsat and SES. This was made possible by leveraging the state-of-the-art technology from ST Engineering iDirect.

Product Snapshot

Manpack Terminal

- INTELSAT Flex Qualified
- 60cm – 1.0M options
- X, Ku, Ka frequency band (multi-band options)
- iQ 200 or MDM2510 modem
- IATA compliant
- Integrated AI pointing assistant
- Single case for complete system
- 'No-tools' construction
- Can be used by non Satcom staff

Flyaway Terminal

- Eutelsat ADVANCE Qualified
- 1.2M and 1.5M options
- Quick deploy assembly (< 5 min.)
- No assembly tools required
- Light weight IATA compliant
- Full auto-pointing options
- SSPA/TWT integration
- X, Ku, Ka frequency band (multi-band options)
- Integrated ruggedised ST Engineering modem

Vehicle (COTP) Terminals

- Eutelsat Qualified
- 1.5M Carbon reflector
- Up to 400W TWT in 1:1 configuration
- 1:1 250W GaN SSPA
- Fully integrated BUC control in AIM controller
- Full auto-pointing capability
- Fits onto any vehicle
- X, Ku, Ka frequency band (multi-band options)
- Integrated ruggedised ST Engineering modem