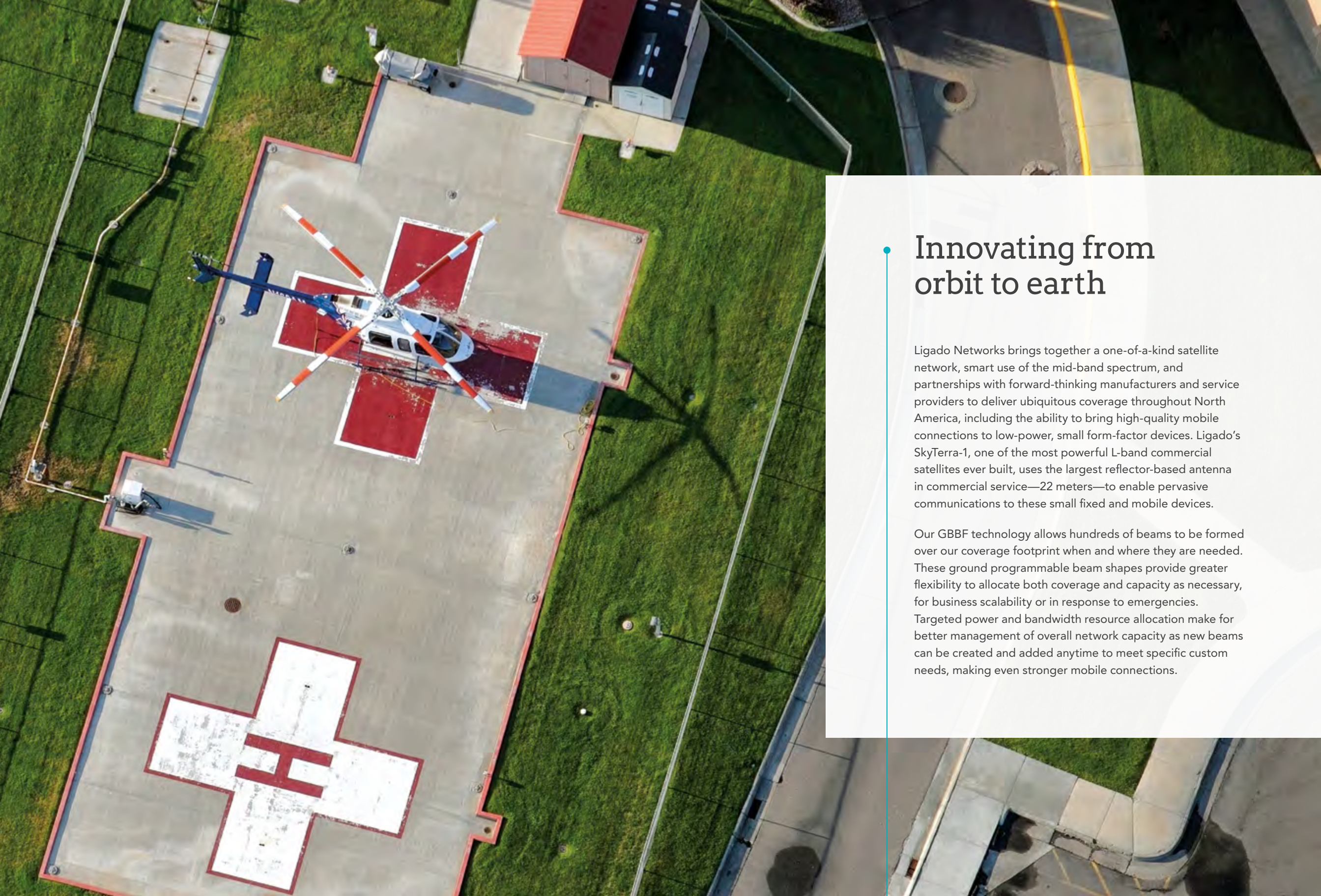




ligado
NETWORKS

Covering North America

What Ligado's Satellite Network Can Do for You



Innovating from orbit to earth

Ligado Networks brings together a one-of-a-kind satellite network, smart use of the mid-band spectrum, and partnerships with forward-thinking manufacturers and service providers to deliver ubiquitous coverage throughout North America, including the ability to bring high-quality mobile connections to low-power, small form-factor devices. Ligado's SkyTerra-1, one of the most powerful L-band commercial satellites ever built, uses the largest reflector-based antenna in commercial service—22 meters—to enable pervasive communications to these small fixed and mobile devices.

Our GBBF technology allows hundreds of beams to be formed over our coverage footprint when and where they are needed. These ground programmable beam shapes provide greater flexibility to allocate both coverage and capacity as necessary, for business scalability or in response to emergencies. Targeted power and bandwidth resource allocation make for better management of overall network capacity as new beams can be created and added anytime to meet specific custom needs, making even stronger mobile connections.



Ligado Offers a Flexible and Robust Range of Traditional and Emerging MSS Services

MANAGE ALL THE MOVING PARTS WITH M2M SOLUTIONS


We offer real-time location-based services, remote monitoring and management of fixed and mobile assets, and visibility into critical areas of an organization's operation. Our low-latency, secure data communications include:

- Mobile asset tracking
- Fleet management and telematics
- Supervisory Control and Data Acquisition (SCADA)
- Oil, gas, and water pipeline flow monitoring
- Power distribution and transmission monitoring

KEEP AN OPEN LIFELINE WITH VOICE SOLUTIONS

Our secure, interoperable Mission Critical Push-to-Talk and Telephony Voice services can help protect lives, with solutions for:

- Emergency First Responders and Law Enforcement Agencies during emergencies and in disaster recovery situations
- Public Safety officials from various departments and agencies across the United States via access to national and regional SMART Talk Groups
- Mobile workers who require voice connectivity outside terrestrial network coverage for safety purposes and efficiency of operation
- Fixed and rotary wing aircraft pilots and ground-based personnel to improve safety and coordination



- Broadcast data more efficiently and with a broader reach than traditional terrestrial networks

SPREAD THE WORD INSTANTLY THROUGH BROADCAST DATA

The SkyTerra-1 satellite offers the ability to broadcast data more efficiently and with a broader reach than traditional terrestrial networks. Content such as weather updates, emergency alerts, and Over-the-Air (OTA) software and firmware updates to mobile and fixed device platforms can be broadcast simultaneously across North America.

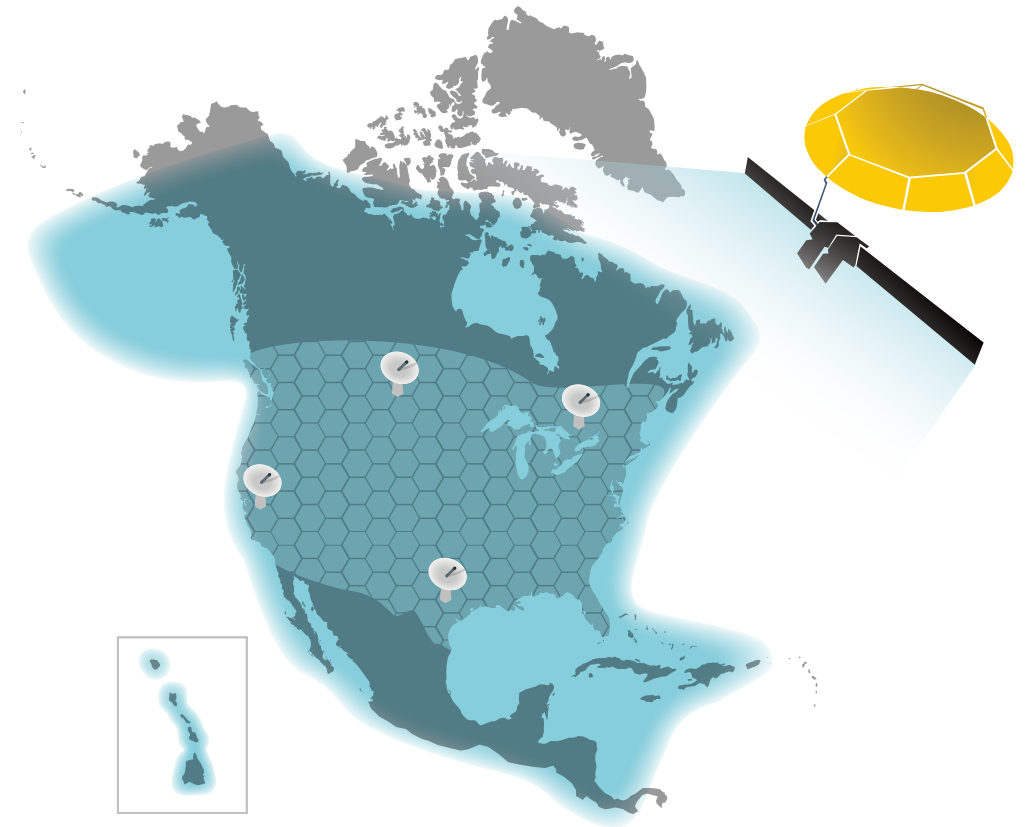
IMPROVE YOUR GPS SERVICE

Mobile Precision GPS receivers obtain positioning and timing information with much greater accuracy using our SkyTerra-1 satellite. When integrated with value-added services, high precision location information can enhance capabilities and uses in critical infrastructure sectors such as public safety, energy, and transportation.

ENABLE THE EMERGING INTERNET OF THINGS MARKET

Our satellite services can extend the reach and improve the reliability of connected device ecosystems, known as the Internet of Things. Ubiquitous and seamless coverage for fixed and mobile devices, IP-based connection, and end-to-end infrastructure security provide robust, low-latency communication. Stackable and easily integrated, our satellite services can be used as either a primary service or as a backup/coverage extension solution to terrestrial networks.

Coverage over one of the most powerful L-band commercial satellites ever built



Unique Satellite System

Our one-of-a-kind satellite network uses a 22-meter reflector-based antenna—the largest in service on a commercial satellite—to enable pervasive communications to small fixed and mobile devices.

UNMANNED AND UNDER CONTROL

Now make greater use of Unmanned Aircraft Systems (UAS) thanks to the SkyTerra-1 satellite's ability to connect to small, low-power mobile terminals. The satellite's L-band connectivity allows for reliable Command Non-Payload Communications (CNPC) for safe Beyond Line of Sight (BLOS) operations. This long range command and control enhances:

- Track inspection for rail carriers
- Pipeline and infrastructure monitoring
- Hazmat and rescue operations for first responders
- Surveying for agriculture

See who's using our network, and why

COMMERCIAL TRUCKING

Filling mission-critical fleet management, mobile asset tracking, cargo monitoring and real-time location needs.

RAIL

Augmenting Positive Train Control and backup connectivity systems for operational efficiencies in locomotive performance and fuel optimization, critical for meeting safety requirements.

AVIATION

Enabling more precise routes and reliable connections for both fixed-wing and rotary aircraft through enhanced telemetry and logistics.

ENERGY

Efficiently managing remote assets and operations via critical infrastructure monitoring, control of systems and pipelines, real-time tracking and secure and reliable communications for both workers and machines.

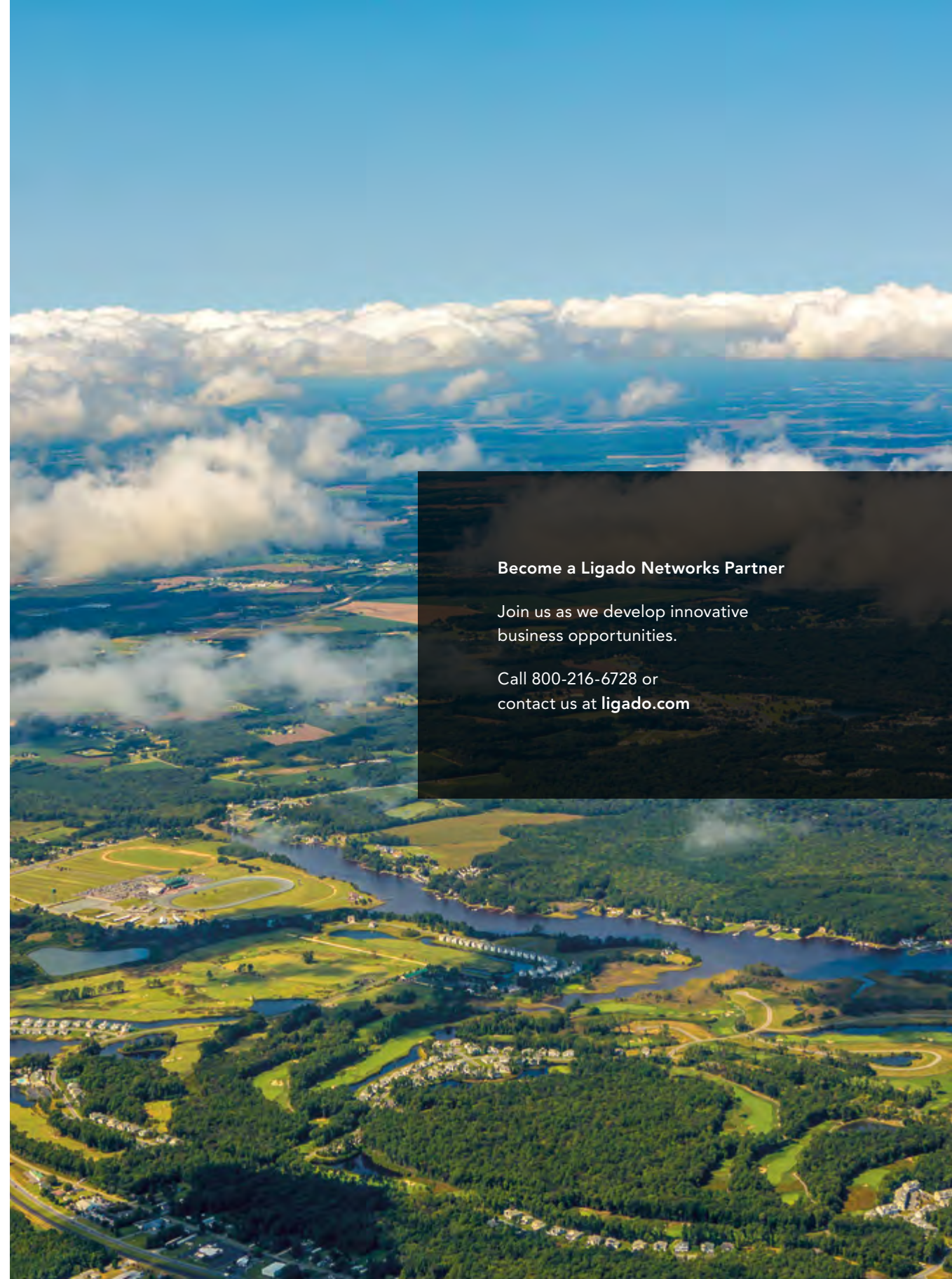
PUBLIC SAFETY

Simplifying operations and coordinating across agencies and missions through resilient and robust voice communications and enhanced situational awareness.

Become a Ligado Networks Partner

Join us as we develop innovative business opportunities.

Call 800-216-6728 or contact us at [ligado.com](https://www.ligado.com)





ligado.com

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