



USA-GEOS

America's Northernmost Satellite Ground Station

High-Latitude Ground Station Infrastructure on U.S. Soil

Overview

Quintillion's United States Arctic – Ground Station and Earth Observation System (USA-GEOS) facility in Utqiagvik, Alaska is located at 72°N latitude, 330 miles north of the Arctic Circle, making it the northernmost satellite ground station on U.S. soil. The facility is ideal for polar-orbiting satellite constellations requiring high-latitude data acquisition with U.S. data sovereignty.

Key Advantages

U.S. Jurisdiction

Full regulatory alignment for FCC licensing, ITAR compliance, and federal data sovereignty requirements.

High-Latitude Access

Increased contact frequency for polar and sun-synchronous orbit satellites with 360° clear horizon.

Triple-Redundant Fiber

Direct fiber connectivity to Quintillion's subsea and terrestrial network plus high-capacity satellite backhaul.

Turnkey Bundled Services

Pad lease, power, O&M, and broadband connectivity packaged together for simplified operations. À la carte options also available for operators to select individual services.

Physical Security

The site maintains rigorous physical security controls. All on-site personnel are U.S. persons who meet Defense Biometric Identification System (DBIDS) security requirements, ensuring full compliance with federal access and personnel vetting standards.

Ideal For

- Earth observation and hyperspectral imaging constellations in polar/SSO orbits
- LEO communications satellites requiring frequent ground contact
- U.S. government and defense missions requiring domestic data landing
- Operators seeking a U.S.-based alternative to foreign high-latitude sites
- Real-time Arctic situational awareness

Facility Specifications



Location	Utqiagvik (Barrow), Alaska — 71°16'N, 156°48'W
Site Capacity	16 acres; multiple antenna pads
Connectivity	Terabit-level triple redundant fiber and scalable bandwidth
Power	Dual supply (grid + generator); cold-hardened enclosures
Timeline	Online 2Q 2027

Ready to discuss your ground station needs? **Contact us to schedule an introductory meeting.**

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