

Case Study

VSAT for Alaska

Challenge:

The client needed a communications solution that could ensure the reliable exchange of information across remote and hard-to-reach areas where traditional terrestrial lines were not always reliable. Despite the company's geophysical expertise, providing stable communications over vast land regions was not among their core competencies.

Requirements for the Scope of Work:

- Remote connectivity
- VPN Connectivity to Headquarters
- VoIP Phone with local DID
- Continuous support

Benefits of Blackbriar's solution:

- Complete, turn-key solution, fully client managed.
- Enterprise solution designed to scale to client's needs
- Reliable remote connectivity

In remote locations, where internet access may not be reliable and only a few bandwidth providers available, extreme weather conditions, or WAN connectivity unavailable, Blackbriar Technologies' VSAT network allows our clients to communicate and continue to do business.

Such is the case with a worldwide E&P exploration company who has several sites in Alaska where internet access was gained via low earth orbit satellite. The signal provided very poor bandwidth and did not support the company's VPN traffic. Users were not able to access the internal network and ERP applications. Also, these connections were supported by varied sources and not reliable. Our enterprise communication VSAT system extended their network and connected the remote office to business and web-centric applications.

Blackbriar was tasked with engineering a scalable solution that could fit into any remote scenario with a uniform set of gear and provide a reliable connection. To answer this call, we deployed a VSAT terminal at the client's Alaska location in Prudhoe Bay. We installed a 1.8m dish with a 4-watt BUC on their mobile camp sled which allows them to connect to our VSAT network at 1Mbps download speeds. The switched infrastructure replaces the PC-based routing they used previously and allows the client to install their VPN hardware, connecting the remote locations with the corporate MPLS network.

With the success of this, identical infrastructure was installed at other remote locations, providing a secure, stable, 24x7 monitored connection to the company's network.

