



SYSTEMS INTEGRATION HIGH AVAILABILITY MANAGED SERVICES IT STAFFING

Case Study

Indonesia VSAT Installation

Challenge:

Utilize Blackbriars' VSAT network to replace analog microwave as the method of internet connectivity to a client's remote facilities.

Issues facing previous solutions:

- Analog microwave to internet
- Very unreliable
- Users unable to VPN to the client's network therefore unable to access corporate e-mail and stateside file servers
- No support for connectivity issues
- PC was acting as the router

Benefits of Blackbriar's solution:

- Utilized a 2.4m antenna on iDirect platform to connect to Blackbriars' VSAT Network for a 2Mbps x 512Kbps speed.
- The broadband connection landed at the teleport in Germany and traverse fiber back to the Blackbriar facility in Atlanta.
- Allowed client to utilize their VPN hardware to connect the remote locations to the company MPLS
- Switched the remote locations infrastructure
- Houston based support
- 24x7 NOC monitoring

In remote locations, where internet access may not be reliable, WAN connectivity unavailable, or in cases of local disasters where communication infrastructure may be unreliable, Blackbriar Technologies VSAT network allows our clients to communicate and continue to do business.

Such is the case with a worldwide manufacturing company who has several sites in Indonesia where internet access was gained via analog microwave. The signal provided very low-bandwidth and did not support the company's VPN traffic. Users were not able to access their internal e-mail and were relegated to using public web mail such as MSN or Yahoo!. Also, these connections were supported by varied sources and not reliable.

Blackbriar was tasked with engineering a scalable solution that could fit into any remote scenario with a uniform set of gear and with a reliable connection. To answer this call, we deployed a pilot in the client's Jakarta, Indonesia location. We installed a 2.4m dish outside their office which allows them to connect to our VSAT network at 2Mbps 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 pilot, identical infrastructure was installed at other remote locations, providing a secure, stable, and 24x7 monitored connection to the company's network.

