



## BGAN Remote WiFi Satellite Access System

### Application Requirements

An international oil & gas exploratory company had a requirement to provide their field workers with the ability to send and receive emails whilst operating in remote locations, outside of typical 3G infrastructure. The client requested that access be locked down to email correspondence only, with the option of implementing full internet access at a future date of their choosing.

### Our Solution

By integrating a satellite Wi-Fi hotpost as part of the system, remote access is established and conducted via the reliable geostationary Inmarsat Satellite Network. The field worker could then initiate and / or receive on-time, reliable email correspondence via their smartphone, tablet or laptop PC. In addition to written correspondence, phone calls can be initiated and / or received via the accompanying satellite phone, which is incorporated as part of the overall system.

Due to the nature of the works being conducted, it was important to make the system rapid deployable. The system was designed as a turn-key solution that simply required the field worker to arrive on site, attach the Wi-Fi antenna and power the system on. Simple.



### Components Used



**Cobham BGAN Explorer 325**  
The Cobham BGAN Explorer 325 satellite broadband terminal is designed to offer superior connectivity in moving vehicle and fixed location applications.

Consists of three fully integrated units - a transceiver, an IP handset and a roof mountable antenna.



**Wireless AP Router**  
A wireless AP/ CPE which provides a reliable wireless connectivity for industrial environments.

Compliant with IEEE 802.11b/g and IEEE 802.11n draft 2.0



**Pelican Enclosure**  
Watertight, crushproof and dustproof, Pelican enclosures are world-renowned for the suitability in harsh environments.

Features a retractable extension handle and 4 strong polyurethane wheels for ease of portability.

### Can We Help?

We have a proven record in the design, construction and commissioning of customised data logging solutions for environmental monitoring, process control, monitors for energy, water or gas and more.

Contact one of our sales staff today to discuss your next application.

