inmarsat
The mobile satellite company™

Omni-Hub

Global Government

Omni-Hub

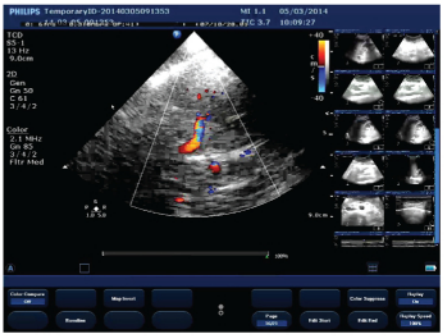
Resilient comms for emergency, first response and disaster management

Combining Inmarsat's BGAN service with Tactical Wireless's Omni-Hub™ enables a secure, mobile and resilient, national critical voice and broadband data capability to support Blue Light services such as Police, Fire and Ambulance.

In combination, BGAN and the Omni-Hub™ provide Blue Light services with a transmission agnostic Network – Omni-Hub.Net.

Capable of utilising WiFi, cellular and Inmarsat's BGAN satellite network, Omni-Hub.Net allows least cost routing whilst still retaining high availability.

With the assurance of Inmarsat's network and the cost-effective aspect of utilising multiple cellular carriers, communications will be delivered and maintained at a defined quality



Case Study

On Friday 7th March 2014, TWL carried out connectivity tests in Scotland, streaming ultrasound images.

The live images from two ultrasound machines in turn were streamed from an ambulance, through an Omni-Hub™ to a local laptop, to replicate a control centre.

The images were visible at TWL's development facility in Desford, Leicestershire, via a second networked Omni-Hub™.

A paramedic carried out an investigation on a patient, including cranial and trauma scans.

A physician remotely viewed the scans on an iPad, connected to TWL's network.

These images were of sufficient quality to enable the physician to direct the paramedic on probe positioning.

Disaster Management and Communications Resilience

If an incident occurred during a large event and the cellular network is overloaded, or there is a disaster or threat to critical national infrastructure, then Inmarsat provides a transmission capability that will be unaffected.

Having a transition from overloaded networks to an 'always on' global satellite network provides operational flexibility and assurance.

Network Prioritisation and Assured Access

Whilst the Omni-Hub™ can use standard Inmarsat BGAN subscription services, Inmarsat also provides a priority access and guaranteed, uncontested connectivity to the Inmarsat global network for your BGAN services via a service called Assured Access.

With an Assured Access lease arrangement, your communications will be delivered at a guaranteed quality and a known cost, which could be beneficial in terms of planning operational budgets.

Inmarsat support Blue Light services and Military Units globally.

Omni-Hub™ is an integrated communications system using an intelligent bonded router which manages the available bandwidth from the available commercial networks to ensure that the transmission of data, video and audio from IP peripherals is reliable, secure and economic.

Features:

- Network neutral communications - bonding of commercial wireless and satellite networks
- Enhanced cellular and WiFi connectivity with multiple antennas
- Fully Comms On The Move (COTM)
- Enhanced cellular and WiFi connectivity with multiple antennas
- FBI approved secure evidence system - through a series of electronically watermarked jpeg's
- Multiple security layers – secure private network, enterprise grade encryption and multiple bonded routes
- Integral secure push to talk (PTT) and video conferencing

Benefits:

- Future proof system – a dedicated network infrastructure is not required
- Bonded, secure multi-network connectivity
- Resilience
- Flexibility
- Controllability
- Cost effectiveness

We connect those who protect

inmarsat.com/government