

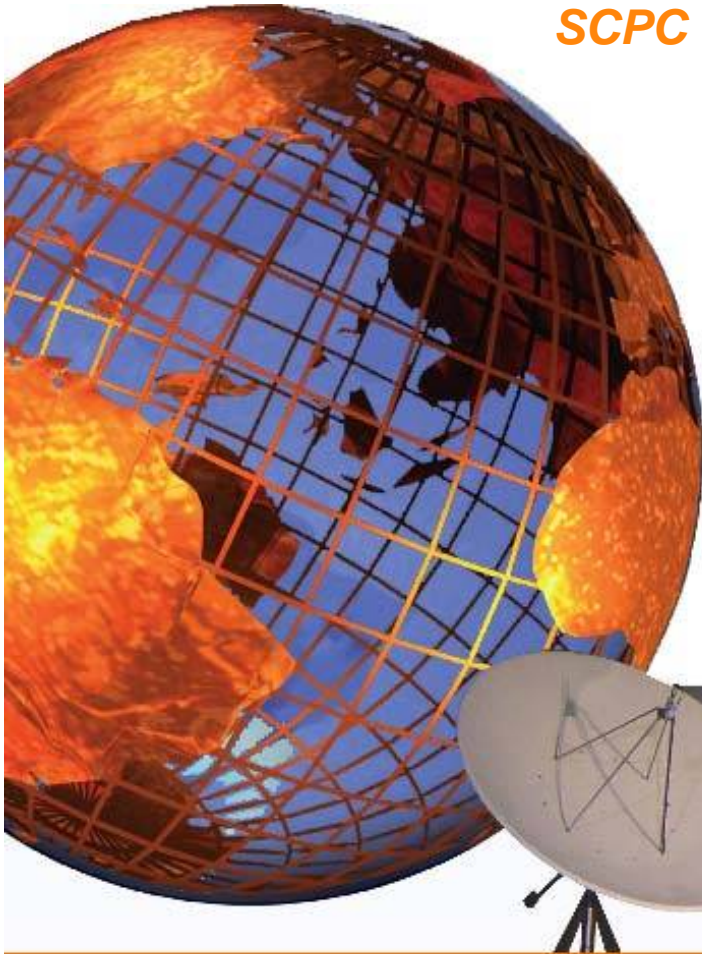
# Solutions for Oil & Gas

**=** *LOWEST TOTAL COST OF OWNERSHIP*

*Efficient, safe and reliable MF-TDMA or SCPC solutions*



**Advantech  
Wireless**



# ADVANTECH...

...Reliable, Secure Earth Station Equipment and VSAT Communication - Connect Seamlessly with ADVANTECH – Onshore and Off !

...Your Best Choice to Deliver Video, Voice, and Data to Any Platform, Anywhere

## Best-in-class

- 2-Way VSAT Networks
- Satellite Earth Station Equipment
- Line-of-Sight Microwave Solutions

**Technologically superior Earth Station Equipment and VSAT DVB-S2 networks designed with performance and economic benefit to the customer in mind for :**

- Office-to-field, field-to-office and field-to-field voice and data communications
- E-mail, fax, messaging, web access, and file transfer
- Exploration
- Business Continuity
- SCADA
- Emergency Management
- Remote surveillance
- Crew calling



## The Communications Solutions to Meet Your Needs

### The Backdrop

- At a time when the price of crude continues to climb and oil exploration and exploitation activities are increasing, VSAT technology is becoming an essential value proposition for satellite-based services in the oil and gas “patch”.

### The Needs

- A variety of wireless platforms to talk, fax, e-mail and transfer files may be used to transfer your all-important data to and from your remote offices, staging areas, well sites, off-shore rigs and ships, just as at the corporate HQ.
- But your data needs are going higher and higher as rigs need to send data back for processing. This definite long-term uptrend in increasing data rates is a result of the greater use of networked IT and the driving economics of getting wells logging data back to base for almost real-time analysis by the experts.
- Your needs may extend to entire continents: your IT functionality has to be deployed the same way across vast territories. A lack of adequate communications may be a barrier to your business expansion.

### The Solution

- VSAT networks provide means of communications due to the lack of infrastructure and the nature of the harsh physical environments that the oil and gas exploitation and exploration take place in.
- Instead of applying a variety of service providers in different places, resulting in a patchwork of contracts because of regulator changes, VSAT network services are applied across whole regions to get better management of your networks and better volume-based pricing, and without worrying about the reliability of communications. The key is integrating broadband capacity with smart IP routing capability. We offer business-class WAN solutions, including VPN and VLAN capabilities, with design flexibility and expansion.
- If your typical needs go beyond, say, using an Inmarsat terminal for more than about an hour a day, particularly if your rates exceed 64kbps, then our VSAT solution will decrease your communications cost while increasing upload performance up to 4Mbps.

### The Benefits

- The most attractive benefits of VSATs are their cost independence of distance, exceptional reach, anywhere-anywhere connections and high reliability — banks, stock exchanges and governments across the globe have used VSATs for years. VSATs are used in disaster recovery because they can provide an instant communications infrastructure, and their bandwidth-on-demand intelligence keeps efficiency high and operating costs low.
- You can turn your entire business model upside down in regards as to how you deploy exploration and exploitation services. The data now comes to the experts instead. The high-volume, real-time data is brought to the regionally located experts and even to the client, who can now collaborate on the project far more effectively. Furthermore, these experts can even support operations at several sites concurrently. In fact, expert on-call help is just a video-conference or a telephone call away for the drill crews.
- Hybrid SCPC and TDMA VSAT networks can be deployed, to support from the smaller sites to the large country headquarters.
- VSATs are fairly mobile and are ideal for drilling rig operations that move from location to location. For fixed antenna VSATs deployed on jack-ups, they can quickly re-point upon arrival and be operational within a few minutes

### So Why Advantech?

- Our VSAT platform accommodates multiple users on a single, shared VSAT.
- We understand what support facilities and resources exist in far-reach areas in order to develop the right solution for you.
- We provide very short turnarounds on solutions design and implementation as you seek to lower exploration and production costs.
- We deliver superior customer service and network reliability.
- We have the right experience, and the track record to prove it, to implement satellite networks to support offshore drilling rigs, fixed jackup rigs, land-based office or housing camps. Whether your main applications include voice or data (email, intranet to HQ, well logging data, internet and files) or both, we can help you connect within your target region and with HQ.

