

OIL AND GAS

Reliable Communications on Land and Sea



BENEFITS

- **Provide rigs, platforms, vessels, pipelines and offices with integrated communications**
- **Quality of Service without compromise**
- **High quality voice communications**
- **Flexible network topology**
- **Video surveillance for monitoring and security**

COMPLEX REQUIREMENTS

The oil and gas industry has some of the world's most demanding communications needs. While many businesses have a global presence that requires reliable communications between offices, oil and gas companies' communication systems must also support exploration and production facilities in challenging remote locations.

It is also an absolute necessity to maintain business continuity and disaster recovery. Oil and gas are both critical drivers in modern economies and highly volatile commodities. Any lack of communications, whether a short term network malfunction or a natural disaster, could have major consequences. While solutions exist for each specific need, separate systems are expensive and create a management nightmare for information services teams.

What is needed is a powerful, flexible, reliable and scalable system.

SIMPLE GLOBAL ANSWERS

Derived from Wavestream's twenty five years of experience, the SkyEdge II System is a satellite communications infrastructure suited for the oil and gas industry.

The SkyEdge II platform provides high performance, efficiency and reliability.

The SkyEdge II Hub, with its Network Management System (NMS), manages satellite bandwidth using advanced algorithms and access schemes to lower Total Cost of Ownership (TCO). In addition, the NMS provides powerful Quality of Service (QoS) management, meaning that each application gets the appropriate resources to perform as required. That means SkyEdge II supports applications as variable as offshore communications and SCADA while providing appropriate service levels for each.

FLEXIBLE, SCALABLE, AND COST EFFECTIVE

Support for star, mesh and multi-star topologies provides every application with the timing that ensures appropriate usage.

SkyEdge II VSATs provide both capital and operational savings. High reliability and remote update of VSAT software minimize maintenance costs. AES encryption, IPSec VPN Security and HTTP acceleration embedded in the VSAT mean that no additional remote hardware or software is needed to ensure both information confidentiality and bandwidth savings.

SkyEdge II supports video surveillance to help secure remote facilities and to support visual inspection of pipeline gauges or other indicators to save on expensive maintenance trips triggered by false alarms.

SkyEdge II's benefits aren't limited to remote locations. Gas stations can use the breadth of SkyEdge II retail solutions, such as credit card authorization, inventory management and digital signage.

Regardless of how strong any system is, outside events can always intrude. SkyEdge II provides high performance solutions for business continuity. The SkyEdge II system is designed for high availability and reliability. In addition, SkyEdge II supports transportable and quick-deploy solutions for disaster recovery, re-establishing communications for disaster-hit areas.

SUMMARY

The oil and gas industry requires complex business communications. SkyEdge II, the multi-purpose satellite network, answers all industry needs with advanced QoS and access schemes to support all necessary applications with the appropriate solution for each need.



A reliable, high quality and high performance, yet cost effective network is available for complex requirements. SkyEdge II - the answer for oil and gas industry communications.

ABOUT WAVESTREAM

Wavestream sets the standard in the design and manufacture of next generation high power solid state amplifiers. Wavestream's Family of Ka, Ku and X-band Solid State Power Amplifiers (SSPAs), Block Upconverters (BUCs) and transceivers provide systems integrators with field-proven, high performance solutions designed for ground mobile and fixed, gateway and airborne satellite communication systems worldwide.

These items are subject to the Export Administration Regulations (EAR), 15 C.F.R. Parts 730-774, and may not be exported or transferred to any non-U.S. person, except as authorized by the U. S. Department of Commerce

CONTACT US

545 West Terrace Drive
San Dimas, California 91773
USA

T. +1 909 599 9080

F. +1 909 599 9082

www.wavestream.com

sales@wavestream.com