



A Clear Angle on the Middle East

The recent surge in activity in the Middle East has significantly increased demand for in-theatre as well as cross-Atlantic connectivity. In a region suffering from poor telecommunications infrastructure, communication satellites are essential in linking the deployed forces to the Internet and telephony backbone.

Exponential growth in bandwidth requirements and the penetration of net-centric operations have made access to satellite capacity a core necessity. With the growing spread of high-speed Internet access and bandwidth-intensive content, today even the traditional voice traffic is gradually migrating to IP.

For the many US installations spread across remote and rural areas, maintaining open lines of communication with their HQ and ensuring secure and reliable transfer of information is crucial. Reliable, high quality service and rapid deployment are key. Establishing a dependable disaster recovery and emergency backup infrastructure is vital.

AMOS satellites provide flexible, dependable connectivity solutions for international government and commercial organizations with on the ground presence in the Middle East.

▼ *The AMOS Satellites Advantage*

The AMOS platform provides an outstanding solution for two-way connectivity within the Middle East, boasting very high power Ku-band beams, and a high elevation angle over the region.

AMOS offers the best performance, delivering superior G/T and EIRP, with more than 57dBW EIRP, and 14dBK G/T over the Middle East. The AMOS satellite's orbital position (4°West) provides an excellent look-angle throughout the region.

With the inherent advantages of satellite communications as a broadcast medium, and by exploiting new VSAT technologies such as TCP acceleration and QoS mechanisms, satellite-based networks provide always-on, high-speed, broadband access to the Internet, as well as corporate intranet, e-mail and more. The AMOS platform enables the simultaneous delivery of broadband data, as well as video and audio, with speed, security and efficiency unmatched by terrestrial IP networks.

The AMOS high performance levels and strategic position enable delivery of the highest bit-rates with the smallest antennas in remote locations, where terminals are limited in size and power, and often require mobility.

▼ *Delivering Fully Integrated Solutions*

Spacecom has a proven track record of delivering end-to-end solutions, providing high power performance to customers in Europe and in the Middle East. We are a trusted and experienced provider to both the government and commercial sectors, offering our clients fully integrated, pre-engineered solutions. Our highly skilled and professional staff is committed to providing exceptional and dedicated service.

Operations in the field need flexibility. Vulnerable communications demand security. Get the best of both with the AMOS satellites.

Key Services: ▼

- Broadband Internet Access - Point-to-point and point-to-multipoint
- Voice and Voice-Over-IP services
- VSAT applications, employing fixed and mobile small terminals for bi-directional coded data transmission
 - E-Mail
 - Distance learning
 - FTP
 - Intranet
 - VPN
 - e-Commerce
 - e-Medicine
 - e-Government
- Video broadcast to very small antennas
- DSNG (Digital Satellite News Gathering) services

Reference Story: ▼



Gilat Satcom: VSAT network in the Middle East

The AMOS platform is the satellite communication solution for a VSAT network deployed by Gilat Satcom throughout Israel and the Middle East, providing high quality connectivity to remote locations.

Gilat Satcom Ltd., a leading satellite service provider in Israel, is operating the largest VSAT network in the region, with a hub located in Tel-Aviv, and more than 2,000 remote terminals located throughout the region in lottery and sports betting stands, pharmacies, convenience stores, remote SCADA sites, and more.

The AMOS powerful Ku-band beams and high elevation angle over the region, enable Gilat Satcom to provide its customers with a variety of applications such as: Broadband Internet, Video, Voice and transactional traffic to remote VSAT terminals with antennas as small as 60 cm.

By using the AMOS platform, Gilat Satcom is able to offer its customers top performance, cost efficient data and voice communications, all with superior availability.

