

# Serving customers globally

## Cyta's Makarios Teleport in the Eastern Mediterranean brings premium solutions to the international satellite market

**CYTA** is the primary telecommunications provider in Cyprus. Its product portfolio covers a whole spectrum of electronic communications ranging from fixed and mobile voice and data communications, Internet, IPTV, broadband and value-added services.

Cytaglobal is a strategic business unit of Cyta and particularly active in the area of international undersea fibre optic cables, providing wholesale products and services on a global basis. Taking advantage of the island's strategic geographical position, Cytaglobal has developed an extensive undersea fibre optic cable network, which connects Cyprus with its neighbouring countries and the rest of the world.

Cytaglobal also operates an extensive satellite network with two Teleport sites – Makarios and Ermis – with more than 30 major satellite antennas, providing connectivity with Intelsat, Eutelsat, SES World Skies, AsiaSat, ABS, Arabsat and other major satellite systems. Services offered range from satellite television on a permanent and occasional basis to international telephony, monitoring services, data and Internet connectivity. The teleports also offer VSAT services, hosting services to third parties and serve as a video head-end for Cyta's IPTV offering in the Cyprus market.

### Makarios Teleport

Makarios Teleport has been in operation since 1980. The site has been growing consistently and is now a fully developed Teleport that can satisfy a wide range of customer requirements. The site offers proximity to the island's main towns, seaports and airports. It is manned on a 24-hour basis for 365 days a year. A manned security system ensures the



safety of the operators and equipment at the site around the clock.

### Geographic Location and Climate

The position of Cyprus in the eastern Mediterranean is a privileged location for Satellite Communications. Makarios Teleport offers full visibility of the geostationary arc, covering any satellite location between 33.5°W and 100.5°E with elevation angles greater than 10°. This arc, extending from the Atlantic to the Indian Ocean region, provides visibility to a large number of satellites, which effectively allows access to any point on the globe. The climate in Cyprus, with extensive sunshine, low rainfall and mild temperatures, is also ideal for satellite operations.

### Experienced and Qualified Personnel

The quality, qualifications and experience of the technicians and engineers working at Makarios Teleport ensure the provision of first-class service and technical support. It is worth mentioning that most engineers hold at least a Master's Degree. All technicians hold a three-year engineering diploma and a substantial number of them have additional professional qualifications. Makarios personnel have undergone intensive training and acquired extensive experience in virtually all technical and management aspects involved in satellite communications.

### Equipment and Supporting Infrastructure

Makarios Teleport is fully equipped to provide



a wide range of satellite services, tailor-made to the requirements of its customers. The equipment is reliable and utilises proven technology in order to warrant high quality of service. The Teleport is backed by Cyta's telecommunications national and international infrastructure, which is among the most developed in the region.

### Satellite Telecommunications Network and Services

The services provided include broadcasting and turnaround of digital television on permanent, periodic or occasional basis. Turnaround services for satellite-to-satellite links have been provided for a long time, but satellite-to-fibre links are becoming increasingly popular, especially for satellite Internet and VSAT applications. VSAT links enable instant connectivity to remote regions around the globe and offer modern communications solutions.

Hosting services are also provided to customers wishing to use the Teleport to provide their services in the international market. Such services include collocation, integration, and network control. Monitoring services, including carrier and baseband monitoring and interference localisation are also offered at the site. Usually, the customer equipment is installed on a turnkey basis under Cyta's supervision.

Makarios Teleport also offers international telephony to various destinations and serves as a video head-end for Cyta's multichannel IPTV service. This includes reception of about 100 TV channels from various satellites with a dedicated antenna farm.

Makarios Teleport enjoys an ideal geographical location and a state-of-the-art infrastructure, offering optimal conditions for satellite communications. Cyta's experience in the provision of international telecommunications services, its modern fibre network with international POPs and its dedicated Teleport facilities for satellite access make the company an attractive partner to the prospective customer.