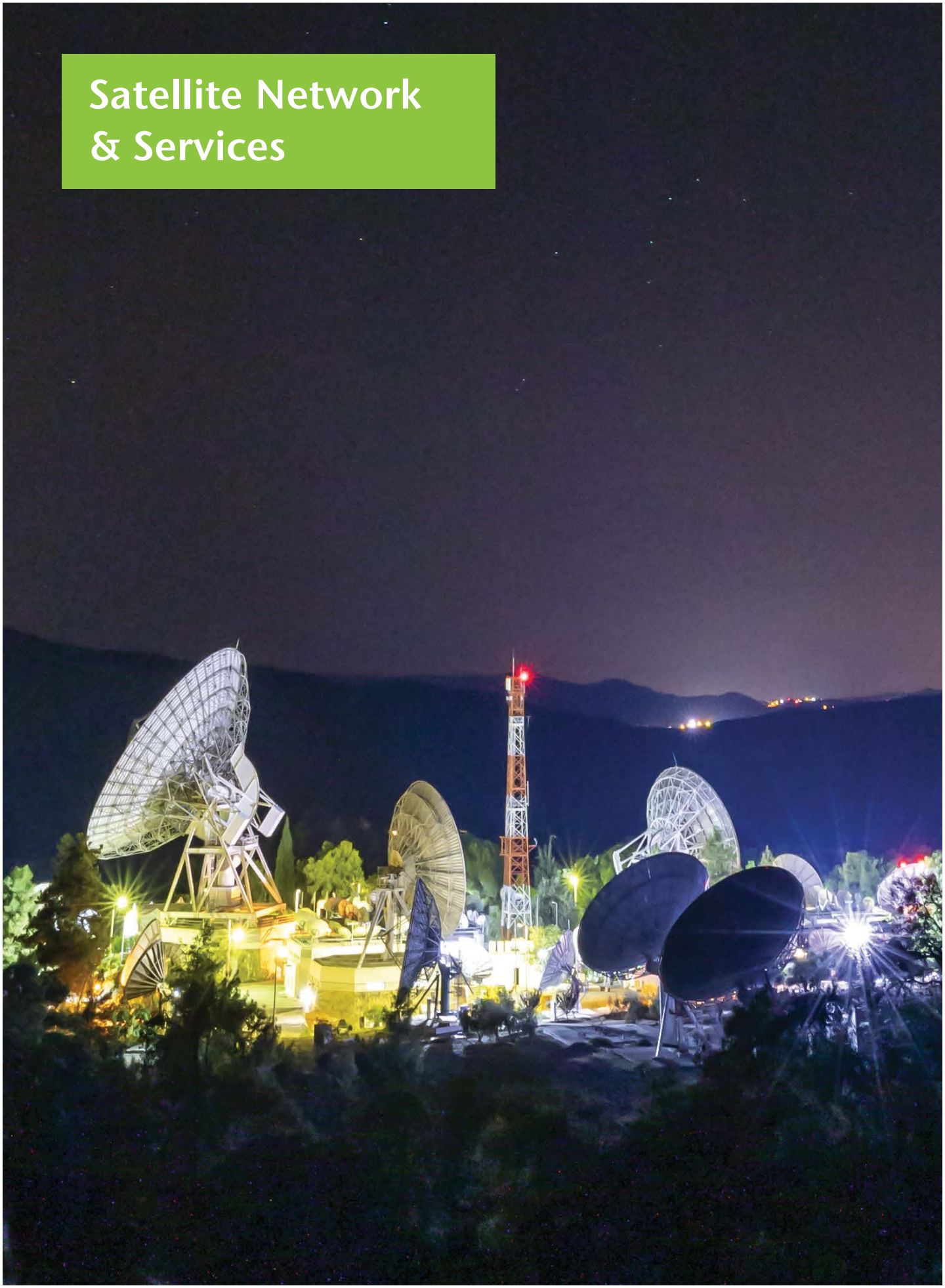
Satellite Network & Services



From East to West
we keep you in touch

cytaglobal

Satellite Network

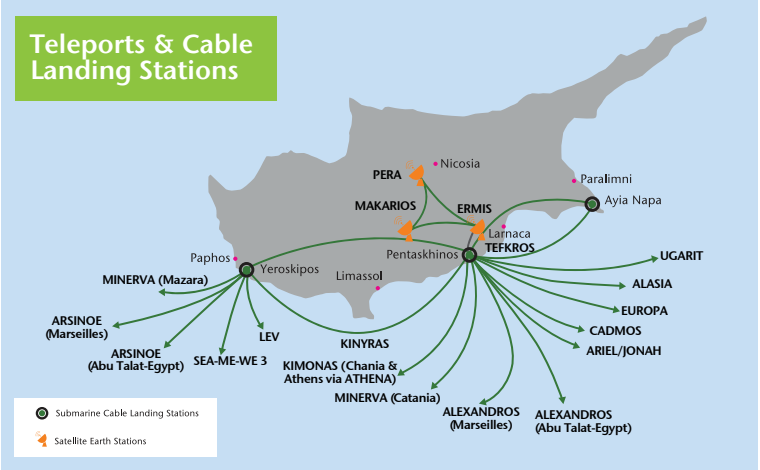
Cyta, the leading telecommunications provider in Cyprus, has multiyear experience in satellite services and teleport operations. Our satellite network provides enhanced international connectivity with global reach. We own and operate three teleport sites, Makarios, Ermis and Pera. Makarios is the primary Teleport while Ermis and Pera are used for enhanced availability services and disaster recovery purposes.

Makarios Teleport

Makarios is an established teleport site that has been in operation since 1980 and it's fully certified by the World Teleport Association (WTA) at Tier-4 level. Makarios is the first teleport in our Region that has achieved the highest certification level offered by the WTA. The Teleport offers proximity to the island's main towns, seaports and airports and is fully supported by all Public Utilities. The facility is well connected with Cyta's national and international fiber networks providing ample capacity with diverse and resilient links to major international nodes.

Geographic Location and Climate

The position of Cyprus in the eastern Mediterranean is a privileged location for a wide range of satellite services. Our facilities offer full visibility of the geostationary arc, covering any satellite location between 33,5°W and 100,5°E with elevation angles greater than 10°. Our Sites also include ample space to offer full-horizon visibility for Non-Geostationary applications. The climate in Cyprus offers extensive sunshine, low rainfall and mild temperatures and is ideal for satellite operations.



Experienced and qualified Personnel

The Teleport is manned on a 24-hour basis by qualified personnel with the qualifications, training and experience to support a diverse range of satellite systems and services. A manned security system ensures the safety of the operators and equipment at the site.

Interference free Environment

Makarios Teleport is conveniently located in a protected valley and operates without restrictions related to the use of frequencies in satellite or terrestrial bands. The utilization of satellite frequencies is uninhibited and not subject to any restrictions by the Regulatory Authorities. Furthermore, Cyprus is an island and enjoys complete isolation from emissions in other countries. The absence of electromagnetic interference is verified by detailed site surveys conducted at regular intervals.

Equipment and Supporting Infrastructure

Makarios Teleport is well equipped to provide a wide range of satellite services, tailor made to the requirements of our customers. Modern buildings house the earth station equipment and associated subsystems. Additional space is dedicated for service monitoring, office space for personnel and for auxiliary support systems.

Makarios Teleport hosts multiple earth stations providing links to numerous satellites supporting Cyta's extensive satellite telecommunications network. Transmit antennas are operating in most satellite frequency bands, such as C, S, standard and extended Ku, DBS and Ka band. In addition, the Teleport offers extensive reception capabilities with a large antenna farm deployed to receive content from the main satellites visible from the East Mediterranean Region.

Satellite Services

Our efforts are focused in providing reliable solutions and building long-term relationships. Our broad experience in teleport operations and extensive satellite network enable us to provide a wide range of satellite services, tailor made to the requirements of our customers.

Gateway Services

Our Teleports have been hosting and supporting satellite operations for years. One of the core products we offer is gateway services to modern broadband satellites. Cyta's extensive teleport capabilities are bundled with the diverse international fiber links to establish major gateways to High Throughput Satellites (HTS) that offer broadband services in selected regions around the globe. Our capabilities include Teleport diversity to overcome rain degradation and facilitate enhanced service availability.

Teleport Hosting

We offer to our business partners the capability to host equipment at our Teleports to facilitate the provision of satellite solutions. Dedicated secure areas with support facilities and regulated access are provided. We can also integrate the hosted equipment with our satellite and fiber network and provide the operational support to ensure that a reliable full-functioning system is established.

TV Services

Cyta offers satellite TV services to the international market through its subsidiary company Iris. Its main products include satellite broadcasting on multiple satellites covering Europe, the Middle East and Asia. Iris also offers occasional services, dedicated satellite links for broadcasting and distribution and hybrid solutions with a combination of fibre and satellite means. We also offer simultaneous reception of demanding services at diverse teleport locations to the ensure optimum availability of key channels, or major events.

Content Aggregation

Our Teleports serve as satellite content collection nodes for our customers and for Cyta's IPTV service. This includes reception of hundreds of TV channels from numerous satellites using a large antenna farm that can provide visibility to most broadcasting and contribution satellites covering our region. The content is transcoded as needed and is fed to local and international nodes for OTT and other means of distribution.

Space Segment Capacity

We provide and resell space segment capacity on various satellites, worldwide.

VSAT Services

VSAT links enable instant connectivity to remote regions around the globe and offer modern communications solutions. We offer reliable services with small and low-cost terminals. Field support is provided in association with specialized partners.

Satellite Control and Monitoring Services

We support satellite operators for satellite ranging and control. These are critical functions for the satellite operators who demand optimum availability and reliability. Cyta has the means and the experience to accommodate these needs effectively. Our supporting services include monitoring tasks to ensure smooth satellite operations and customers' compliance to the terms of their leases. We also verify the quality of satellite transmissions and identify any sources of unauthorized emissions.

Hybrid Services

We extend our satellite connectivity options through our extensive international fibre network and provide integrated products and solutions addressing the needs of our customers. By offering end-to-end solutions under a single hat we are able to provide dependable services with prompt and effective fault resolution.

Non-Geostationary Services

Cyta is also active in the provision of services using non-Geostationary satellites. We have experience in the provision of this class of services and are familiar with their special requirements. Cyta is hosting one of the three receive European MEOLUT stations in Cyprus that detects and locates distress beacons from Medium Earth Orbit Satellites. This is a critical service to support life at risk. We are also hosting an EGNOS V3 receive station that provides correction signal for satellite navigation, a service that is crucial for the provision of life-critical and life-safety services.

About Us

Cyta, the leading telecommunications provider in Cyprus, provides the full spectrum of advanced telecommunication products and services, which include fixed and mobile voice and data communications, value added services and much more.

Cytaglobal, a Strategic Business Unit of Cyta, manages Cyta's International Wholesale Market activities. Through its global network, Cytaglobal provides a wide range of international telecommunications products, services and integrated solutions, making Cyprus a major telecommunications hub in the Eastern Mediterranean and a telecommunications bridge between East and West.

For more information on how Cytaglobal can best serve you:

Website: www.cytaglobal.com