

# Managed Satellite Services





## Thaicom Managed Satellite Services

To meet the growing demand for data and voice connectivity in Africa, AFRICOM™ by Thaicom offers a fully-managed service.

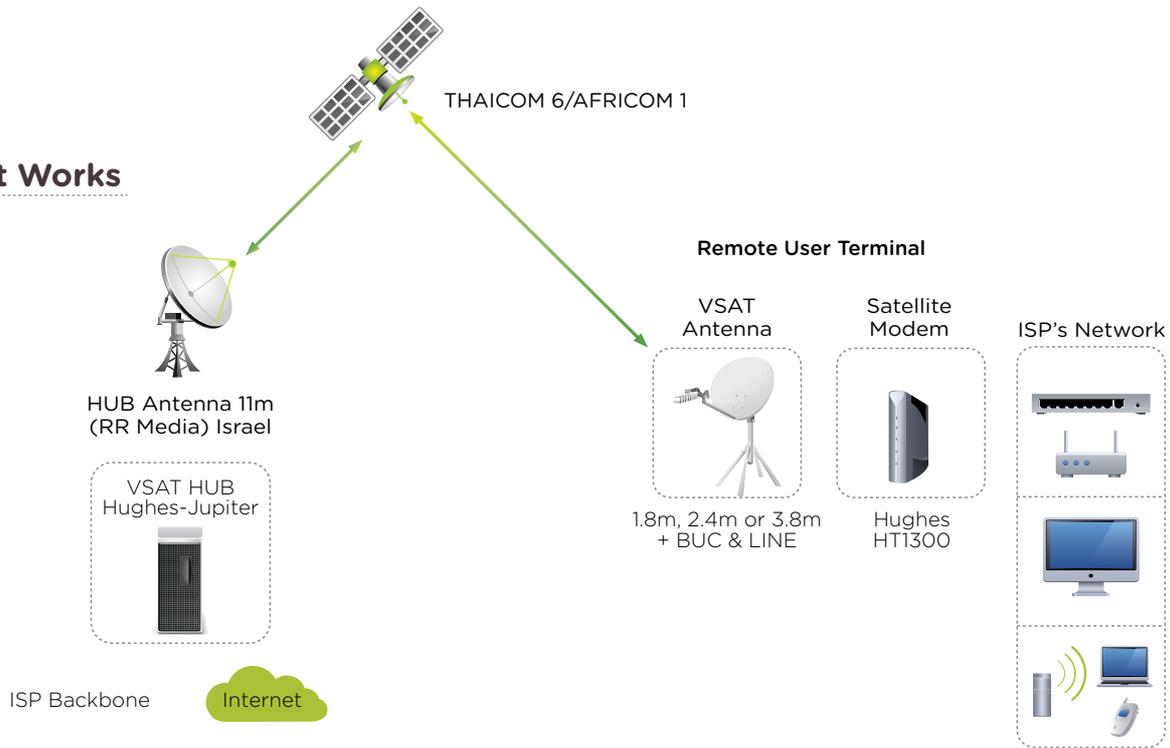
Powered by one of Thaicom's latest satellites, THAICOM 6/AFRICOM 1, and its payload of 12 very high power C-band beams over Africa, the service provides a wide range of tailor-made data and communications solutions, with dedicated infrastructure and IP backbone. Operating on C-band guarantees maximum link availability and a robust network.

The end-to-end solution – designed for Pan African and in-country service providers, including serving enterprises, governments, non-government organizations and telcos – provides direct, high-speed Internet backbone access in terrestrially challenged/underserved locations, ensuring flexibility and rapid deployment to reduce infrastructure investment and enable customer network expansion.

### Benefits

- **End-to-end delivery**  
Thaicom Managed Satellite Service provides a one-stop-shop for fully managed data services, with full end-to-end delivery of IP, including backbone, via satellite.
- **High-quality service**  
Low latency is guaranteed by the IP backbone from Europe and high availability is ensured through our partner PoP in Europe and RR Media's world-class teleport, based in Israel, which has more than 30 years of experience in satellite communication.
- **Competitive and cost-effective**  
By leasing bandwidth, customers can take advantage of a low cost-per-bit data rate by leasing bandwidth, while the JUPITER™ System – Hughes Satellite Networks' next generation VSAT platform for higher performance and efficiency – provides low-cost and high-throughput terminals which can support all IP Applications and work effectively with all last mile and last inch solutions. As a result, the cost of entry for service providers is greatly reduced.
- **Flexibility and Scalability**  
The service has a fully scalable speed from 1Mbps to 40Mbps and single modem throughput of 40/16Mbps. Meanwhile, network management tools for each individual service provider allow them to customize service plans and user groups.
- **Strong technical support**  
Dedicated engineers are provided to monitor services and resolve any network problems at the Thaicom teleport and Network Operations Center (NOC) in Thailand.

## How It Works



## Our Partners for a World-Class Managed Service

### JUPITER Ground System

Hughes Networks Systems' JUPITER ground system is an award-winning next generation VSAT platform for broadband services. The custom-designed VLSI processor has a multi-core architecture and enables high throughput on every terminal within the JUPITER family.

The system was awarded Technology Innovation of the Year at the 2014 VSAT Global event in recognition of it enhancing the delivery of satellite services to the wider community and evolving the industry beyond its current limits.

Managed by JUPITER's Network Management System, including software updates, configuration, and status monitoring, it is an ideal platform for broadband access, enterprise networks, cellular (GSM/3G/4G), Multi-protocol Label Switching (MPLS), Voice-over-IP (VoIP)/video/Data Trunking and Network Services.

### RR Media Fiber Network

Thaicom Managed Satellite Service is provided through RR Media's teleport, located in Israel, which includes an integrated fiber network with more than 15 PoPs interconnected with the world's major telecommunications providers.

## Why Thaicom?

As Asia's leading satellite operator, with nearly 25 years of experience, Thaicom has consistently set the benchmark for creating innovative business and technology solutions to contribute to the satellite industry and society at a global scale.

Innovation is in our DNA. Since Thaicom was established in 1991, Thaicom has completed seven successful satellite launches, with each one building on our reputation for breaking new ground.

With THAICOM 4, also known as IPSTAR, Thaicom launched the first High Throughput Satellite (HTS) in the world. In addition, Thaicom was the first company to offer the MPEG-2 video standard and Direct-to-Home TV via satellite in Asia. In Australia – where Thaicom has provided broadband satellite services to remote regions of the country through a network of service providers and the Australian Government – Thaicom is the country's largest VSAT network operator.

Thaicom also takes great pride in providing broadband satellite services to schools and educational institutions in Asia: 36,000 schools in Thailand and Malaysia are connected to the IPSTAR broadband satellite.

In 2014, Thaicom successfully launched THAICOM 6/AFRICOM 1 to provide Asia and Africa with satellite communication end-to-end services.

## About Thaicom

Thaicom Public Company Limited is one of Asia Pacific's leading satellite operators, providing broadband and data, as well as broadcast and media services – often on an end-to-end basis – to the region's broadcasters, ISPs and telecoms since 1991. The company has currently four satellites in operation: THAICOM 5 and THAICOM 6 are broadcasting satellites with coverage over Thailand, SE Asia and Africa (by the name "AFRICOM 1"), providing more than 600 TV channels. THAICOM 4 (IPSTAR) is the world's first High Throughput Satellite (HTS), capable of providing broadband services to 14 countries across Asia-Pacific. In 2014, THAICOM 7 was launched to expand Thaicom's servicing capacity and footprint in the region. THAICOM 8 is set to launch in 2016. For more information, visit [www.thaicom.net](http://www.thaicom.net) and [www.ipstar.com](http://www.ipstar.com).



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