

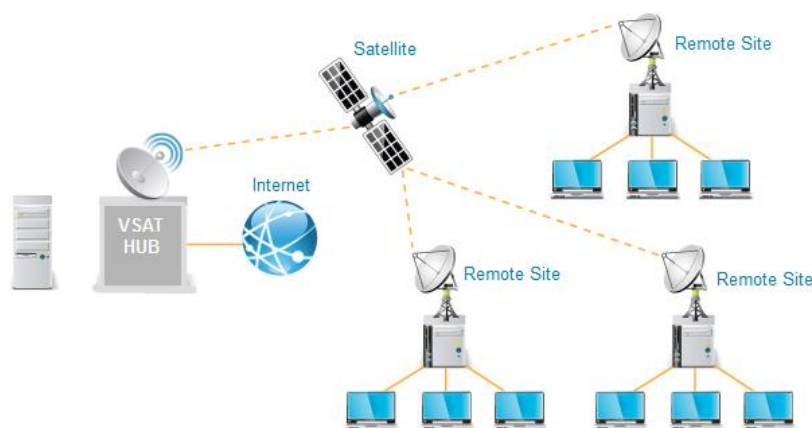


VSAT Services on Land

For many years, satellite technology has provided the only viable communications solution for remote and difficult areas where terrestrial infrastructure has been lacking. Typically, however, satellite systems have offered limited coverage and mobility. With the VSAT solutions from Universat you get superior global connectivity and the ability to move rapidly from region to region as needed – at a fraction of the cost of traditional satellite service.

The VSAT solution from Universat is a cost-effective, IP-based global VSAT satellite solution that provides a high-speed, always-on connection for:

- corporate intranets/enterprise solutions
- the international public switched telephone network (PSTN) using Voice-over-IP (VoIP)
- Internet Service Providers



As your primary remote communications platform or as a completely independent backup for an existing network, VSAT solution from Universat combines secure, dependable connectivity with superior coverage in a flexible package that we can scale to meet almost any requirement you have. Whether you have hundreds or a mere handful of sites, VSAT's broadband satellite architecture is one, powerful and proven solution for all of your IP-based communication needs in hard-to-reach areas.

Universat supplies all kinds of antenna system and satellite devices according to specifications, for both the terrestrial (and maritime environments), provides support and consulting services for some basic activities aimed at optimizing the performance and costs of the satellite service:

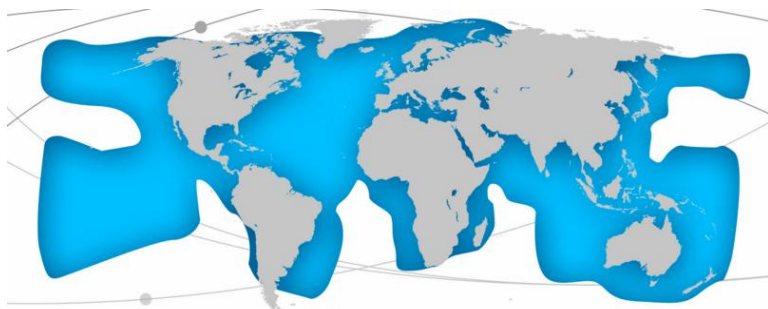


VSAT Land Terminal

- Design for the positioning of the antenna system (Fixed antennas)
- HW configuration (size of disk, BUC, LNB, etc.) of the Antenna system according to requirements
- Installation and commissioning of the satellite station



Comprehensive applications support



Setting up communications on a construction area can be enormously frustrating. It can take days or weeks in some countries to setup a traditional phone line. In other sites the mobile coverage can be poor or completely non-existent, slow and difficult connection affects productivity. Broadband by satellite can ease some of the problems often encountered.

At upload speeds to 8 mbps and download speeds up to 18 mbps, our VSAT has been optimized to deliver reliable, always-on performance for almost any remote IP-based communications application, including:

Telephony and Voice

using state-of-the-art VoIP, our VSAT solution provides two way telephone service for remote offices, routing traffic to your headquarters via either the international PSTN or dedicated leased lines.

Internet Connectivity

operations centers have dedicated connections to the Internet, providing high-speed connectivity for Universat customers anywhere in the world: video on demand (VOD), GSM support, VPN (virtual private network), video conference and video-surveillance, FTP, mailbox, webmail, web browsing, and more.

Emergency Backup and Recovery

Our VSAT service is facilities-independent, providing excellent backup and recovery for existing networks in case of an emergency with the terrestrial infrastructure, ensuring uninterrupted communications with your remote sites

Virtual Private Networks (VPNs)

using industry-standard VPN client-server applications VSAT connects remote sites with your corporate intranet over the public Internet

