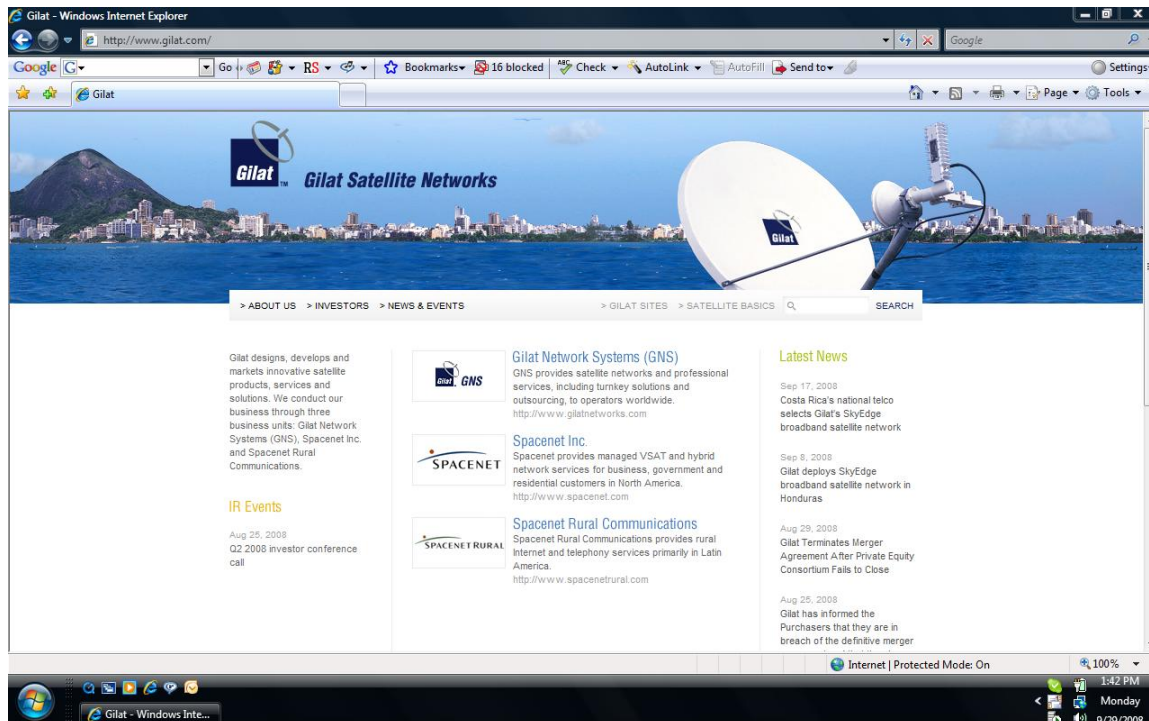


GILAT SATCOM

... Providing Global Communication Services



Gilat delivers a full range of voice, data and internet services using VSAT, Fiber Optic and a variety of fixed and mobile technologies with satellite segments provided by leading satellite operators.

An International Broadband Communication Service Provider

- Pioneer in IP-over-DVB Internet Connectivity via Satellite
- Leading market share in VSAT and IP backbone connectivity in Africa
- Providing End-to-End services in developing regions around the globe

Broadband Internet Connectivity

Gilat Satcom's Internet Backbone services connects you to the internet backbone via satellite irrespective of the infrastructure available at your geographic location, delivering cost-effective, scalable and feature-rich internet connectivity.

Private Networks

Gilat Satcom extends a multitude of corporate networks via point-to-point and point-to-multi-point links over satellite, providing independence from wired service deployments, guaranteeing uniformity of service and ensuring service availability.

VoIP Services

Gilat Satcom's VoIP delivers high quality phone-to-phone telephony services worldwide. A full range of ready-to-use applications enable you to use VoIP services for unlimited corporate connectivity.

GILAT Network

- 3 Teleports (Israel, Europe, USA)
- All networks are connected to the Internet Backbone via redundant STM-1 links
- Manages over 1GHz

Gilat Satcom Satellites:

- Intelsat 907
- Intelsat 901
- Intelsat 801
- Intelsat 704
- Intelsat 802
- Intelsat 603
- Ku-Band Intelsat 907
- Hellas Sat S2 Beam
- Eutelsat W3A
- LMI/ABS A Beam
- LMI/ABS B Beam
- Loral Skynet - Telstar 12
- Loral Skynet - Telstar 10
- NewSkies NSS6
- Amos
- Paksat
- Express 3A

Gilat Satcom Customers

- Over 3,000 sites worldwide
- Over 1,000 sites in Africa
- **Serve the largest Telcos/ISPs: Zamtel, UTL, TKL, TTCL, MTN, CeTel, Multilinks, Vodanet-DRC, Gulfsat and ...**

Customer Support Services

- **Availability** – faster response to each customer's needs
- **Maintenance** – better track of open cases
- **Professionalism** – seasoned Customer Support Center (CSC) team
- **Redundancy** – superior ability to handle several tasks simultaneously
- 24/7/365 Network Operation Center (NOC)
- State of the art on-line monitoring systems
- Pro-active system maintenance and upgrades
- Online activity monitoring, problem and event
- Ticketing, remote event treatment

All of this point explaining who is Gilat and you can get a reference from all our existing customers in Africa.

So why Gilat Satcom?....

- 15 years of experience
- 24-hour multi-lingual Professional support with comprehensive monitoring systems
- Variety of Equipment and Resources
- Expert engineering/operations
- Unique business model

Detailed Service Description

Gilat Satcom has been a leading provider of comprehensive IP backbone connectivity solutions to PTTs, Telcos, ISPs and other enterprises in Africa, Latin America and the Middle East, since 1992. Our cutting edge Internet backbone connectivity service - **VipSAT**™ - is a C-Band, VSAT / Hub based solution for Cyber-cafes, Corporates, VoIP providers, and Government Agencies in Africa.

The **VipSAT** platform delivers top quality Internet access, as well as a first class service and support infrastructures. The platform is based on a high-power satellite capacity, covering the entire African continent, operating in C-Band frequencies and enabling usage of small 1.8m and 2.4m antennas. The state-of-the-art infrastructure and high quality of service regardless of geography, at affordable prices, make the **VipSAT** very cost effective.

A. The Platform

The **VipSAT** platform is comprised of five basic elements, detailed below.

1. Backbone Connectivity

VipSAT interconnects to the Internet backbone in the Europe or US via multiple Tier-1 providers. Backbone connectivity quality is assured by maintaining high bandwidth interconnections, at the levels of multiple STM-1s, and ensuring redundant configurations between the various Tier-1 providers.

2. Teleport Services

Our **VipSAT** HUBs are located at state-of-the-art satellite teleport facilities in the USA, Europe and the Middle East. The teleports are equipped with fully redundant RF, and environment systems that allow the highest uptime. In addition, certified RF and Network engineers are present at the location at all times to ensure highest service quality, and to allow quick and professional handling of any possible event.

3. VSAT HUB System

VipSAT utilizes a high-end VSAT HUB system for managing the network. The FDMA technology used in the system enables multiple carrier management and bandwidth allocation that maximizes the throughput per terminal. Additional features in the system, such as Automatic Power Control, ensure best rain and interference protection. Monitoring, management and control systems enable **Gilat Satcom's** NOC (Network Operation Center) to monitor and repair any failure that might occur, in real-time.

4. Satellite Capacity

VipSAT operates in C-Band frequencies via a variety of high-power satellites and covers the entire African continent. C-Band frequencies are resilient to environmental and weather interferences and thus allow a high continuity rate for each individual remote terminal and the system as a whole.

5. Remote Gateway (RG) Station

VipSAT utilizes small, yet efficient, remote terminals. The system supports a variety of configurations, the smallest being a 1.8m C-Band antenna and a 2w Block Up Converters (BUC). Additional configurations, of up to 2.4m C-Band antenna and 5w BUC (or more) are supported and allow higher bandwidth. The remote terminal is a stand-alone unit (IDU+ODU) that includes a mini-router, allowing the interconnection to the network with a simple Fast-Ethernet port.

6. Service Modes

VipSAT allows users to choose from three different service modes:

- **VipSAT Dedicated™** mode, offers high quality dedicated bandwidth with a CIR of 100% and an SCPC uplink.
- **VipSAT Burstable™** mode, offers a dedicated uplink and a CIR of 50% on the downlink
- **VipSAT Shared™** mode, offers a CIR of 25% both on the uplink and downlink at cost effective pricing.

Support

After many years of activity in the field of Satellite Backbone Connectivity, Gilat's name has come to stand for consistent reliability of service together with unfailing availability of support.

We provide constant monitoring and management of all of our customer's links **24x7x365** free of charge, through our Network Operation Center (**NOC**). This support includes the following services:

Initial help and support on configuration of routers, BGP, help in LAN and WAN configuration for the link commissioning, choosing connection method and implementation of the chosen system.

On-line activity monitoring, problem and event ticketing, remote event treatment.