

## Customer Solution

**Customer:**  
Intersat Africa Ltd.

**Service:** Internet

NEW SKIES

# New Skies Satellites powers broadband Internet and multicast services

## Situation

**Intersat Africa** offers broadband Internet connectivity via satellite across Africa. Intersat's customers include Internet Service Providers, educational and health establishments, calling card platforms, remote military installations, cyber cafes and corporations. The company provides complete turnkey solutions to install and commission Internet access anywhere across Africa. Intersat also delivers VSAT communication equipment to ensure sites can be set up in just a few days time.

As a result of poor infrastructure and the high cost associated with Internet connectivity, many parts of Africa remain without communication facilities. To address this issue, Intersat Africa decided to launch a satellite based content delivery platform, which would enable the multicast of bandwidth-rich content including: data, video, audio, web and email files to remote and rural areas.

## Challenge

To support the launch of its new X-STREAM content delivery platform, Intersat needed to find a satellite operator that could offer high-powered and widespread coverage of the African continent. Intersat also required a cost-effective Internet solution to ensure the widespread adoption of the new service.

Furthermore, Intersat required a customer managed platform, which would allow them the flexibility to directly control bandwidth and manage end user sites. Network monitoring and VPN server hosting services were additional requirements.

## Solution

Intersat decided to launch its X-STREAM content delivery platform based on New Skies' NSS-7 satellite. The new platform was launched on NSS-7's C-band frequency, based on New Skies' IPsys® service, which enables the dedicated delivery of data, video, audio, websites and email and newsgroups to remote and rural areas. The service is the first of its kind in Africa on New Skies' NSS-7 satellite and serves more than 50 sites across the Democratic Republic of Congo (Zaire), Republic of Congo, Burundi, Malawi, Rwanda, Kenya and Nigeria.

Mr. Abdul Bakhani, chief operating officer of Intersat Africa explained the decision by saying, "New Skies successfully delivered a reliable and dedicated Internet solution. We were impressed with New Skies' ability to quickly activate new sites and offer outstanding 24x7 network monitoring facilities to ensure a high reliability of service."

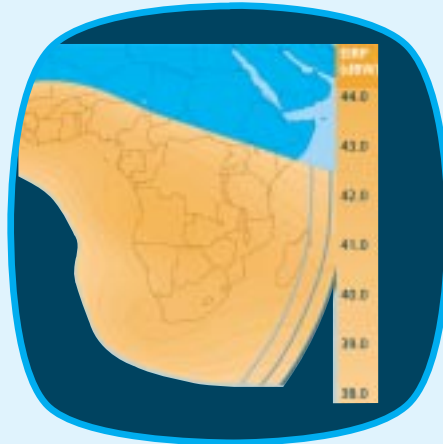
The advantage X-STREAM has is that it does not require two-way Internet connectivity to deliver content. In fact, X-STREAM can directly multicast bandwidth rich data at speeds of up to 10 Mbps to thousands of locations simultaneously, ensuring that any location in Africa can now benefit from this unique and affordable service.

IPsys® directly connects the Points of Presence (PoPs) or customer premises of remote ISPs to the global Internet backbone via satellite. IPsys® connections bypass all

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**Adul Bakhrani,**  
chief operating officer,  
Interstat Africa

**NSS-7’s South East zone beam provides connectivity to 42 countries from southern Morocco to Somalia.**



**NSS-7 South East zone**



**NSS-7 C-band**

shared ground networks and associated congestion points – as well as any terrestrial connectivity gaps – to seamlessly deliver rich Internet content to even the remotest locations at high speeds.

New Skies met Intersat’s requirements for a customer managed platform via IPsys® NetBuilder, which provides a real-time view of network bandwidth use and the ability to allocate capacity to end users on the fly, and to add and delete sites as required. A customized application developed by New Skies’ engineering staff, IPsys® NetBuilder features a user-friendly client interface and works across single or multiple platforms to give full control over your end user network.

New Skies provides Intersat with VPN server hosting services from its London Mediaport, a facility operated through a partnership agreement with Kingston inmedia.

### **Why Choose New Skies Satellites?**

Companies like Intersat have experienced first hand the advantages of New Skies and the IPsys® Internet Access service. Offering reliable terrestrial ground network, in combination with one of the industry’s best peering agreements, New Skies provides Internet companies with excellent Internet backbone connectivity around the globe.

NSS-7 operates from 338° degrees east longitude and features 49 C-band and 48 Ku-band transponders (36 MHz-equivalent). Eleven high-powered coverage beams broadcast video, Internet and data traffic throughout Europe, the Americas, the Middle East and Africa.

ISPs and network providers interested in providing North American Internet backbone connectivity to PoP in Europe, the Middle East and Africa can rely on established DVB platforms on NSS-7’s Ku-band Europe/Middle East beam and C-band South East Zone beam into Southern Africa. NSS-7’s C-band coverage via the South East Zone beam provides connectivity to any of 42 countries from southern Morocco to Somalia, and all points south.

### **For more information, please contact:**

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