IBS Satellite Access Solution
C-Band Service
Value Offer

The ***IBS*** service is a satellite access communication solution that provides two-way IP communication from any location in Africa to the 1st Tier internet backbone and terrestrial networks in the USA.

Quick Facts	
CONNECTIVITY	Remote sites in Sub-Saharan Africa to teleport in Washington, USA.
INDUSTRIES	Mining, Banking, Oil & Gas, Enterprise and Internet Service Providers.
ACCESS SERVICES	• Internet trunk access circuits • Extension of global MPLS networks • Corporate data networks • Telephony and video conferencing
FEATURES	• High-capacity (+1Mbps) circuits • Medium to large computer network (100 – 200 PC users) connectivity • Point-to-point circuits • High availability, better than 99.5% • Direct link to USA terrestrial network • Customer specific network solutions
TECHNOLOGY	• C-Band • Intelsat IS905 footprint • iDirect DVBS2 with ACM Evolution • Xiplink data accelleration and optimisation • 1.8m or 2.4m customer equipment terminals
SUPPORT SERVICES	• Remote customer monitoring portal • 24 x 7 x 365 Monitoring • Telephone support during office hours • After hours standby

The *IBS* platform provides high availability and high capacity satellite access services.

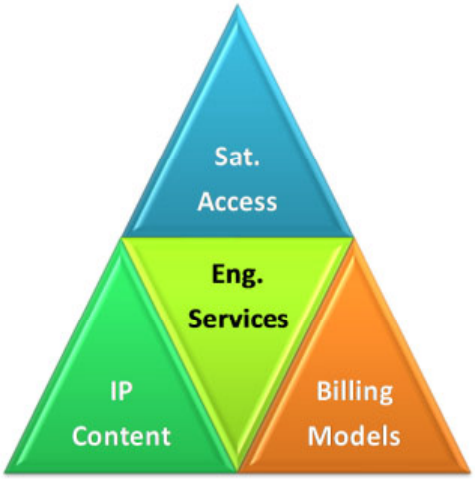
***IBS* is developed using the world leading iDirect Evolution satellite technology with DVB-S2 for efficiency and ACM for reliability.**

Customer networks designed and priced to ensure optimal performance & cost efficiency.

Key Advantages and Benefits

Solution Engineering

The ***IBS*** satellite access solution is the result of Q-KON's more than 10 years experience in the design, development and operation of satellite services for the African market.



Q-KON is focused on providing customer centric solutions that are developed to meet your specific requirements and can include:-

- Flexible billing model options.
- Customer specific service profiles incl. private carriers and dedicated circuits.
- Telephony and video conferencing solutions.
- Integration with existing MPLS networks.

Satellite Coverage

The ***IBS*** satellite network is a star-network that operates on Intelsat IS 905 and provides seamless end-to-end IP connectivity from any location in Africa directly to the Teleport in Washington, USA.

The ***IBS*** iDirect Evolution platform and teleport was established in 2009 for the African market. This platform is managed by the Q-KON Network Operations Centre in Centurion, South Africa and is one of several platforms developed and established by Q-KON to address various markets in Africa.

Service Definition	Equipment Included
C-Band remote (up to 512kbps transmit)	1.8m C-Band Tx/Rx antenna; kingpost mount; 5W C-Band BUC, C-Band PLL LNB; 2x 50m IFL cable; iDirect Evolution X3 Satellite Router; Xiplink XA500C acceleration & compression engine (***S-X*** services only); installation & grounding material.
C-Band remote (up to 1Mbps transmit)	2.4m C-Band Tx/Rx antenna; kingpost mount; 5W C-Band BUC, C-Band PLL LNB; 2x 50m IFL cable; iDirect Evolution X3 Satellite Router; Xiplink XA500C acceleration & compression engine (***S-X*** services only); installation & grounding material.

S-X Service Acceleration Feature

S-X is a Satellite Acceleration option built into the ***IBS*** satellite platform which improves user response and data rates while reducing costs. The ***S-X*** option is implemented by the integration of the advanced Xiplink technology with the satellite network to offer content optimisation and service acceleration functions.

Xiplink appliances deliver the most advanced satellite optimization in easy to install appliances, right-sized for the bandwidth and number of users at each location. For small and medium sized sites, set-top-box appliances are easily installed without the need for trained IT staff. Optimisation includes a combination of protocol acceleration, streaming data compression and internet web browsing enhancements.

Performance Enhancements	
Streaming Data Compression *Maximize the satellite link bandwidth* • Delivers 2x to 10x in bandwidth gain • Reduces the number of packets	**Security - Optimize Encrypted Data** *Install with any type of encryption* • Integrated IPSec VPN encryption option
Internet Optimization *Makes web surfing fast* • HTTP Acceleration • Dynamic Web Cache hardware option	**Voice Optimization** • ROHC Header Compression • Packet Coalescing

***S-X* Satellite Network implementation using Xiplink data optimization technology**