



Our vision

To be a World Class Company
while applying engineering skills to
harness technology in innovative
ways to the business benefit of our
customers and to secure the long-term
prosperity of our people.

Turning



Visions into Reality

Satellite Services

Q-KON designs, builds and operates satellite access service platforms to enable connectivity from any location in Africa. Q-KON's portfolio provides solutions for:

- ✍ **Business Broadband Internet** services operating on C-band or Ku-band platforms using iDirect or Linkstar equipment and supporting low-cost 1.2m antenna systems.
- ✍ High capacity point-to-point **Internet Trunk Services** operating on C-band platforms and which are ideal for large corporate networks or ISPs and regional service providers.
- ✍ Q-KON has a unique value proposition for **Corporate Data Networks**. Based on the SkyWAN IDU1070Q satellite modem from NDSatcom, QKON can provide extremely cost effective multi-star and mesh based networks.
- ✍ Q-KON's system engineering capabilities combined with our extensive satellite platform portfolio are ideal to provide solutions for Special Applications such as mobile IP-TV, Satcom-on-the-move etc.



Business Broadband Services



Internet Trunk Services



Special Applications



Corporate Data Networks

Satellite Platform Capability

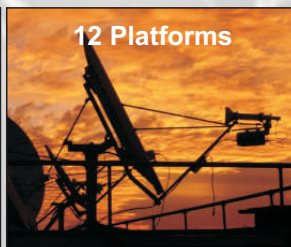
Since 2001 Q-KON has supplied satellite access solutions to the African market and we have built up an extensive solutions portfolio supported by sound experience and a credible service record. Today our capability is reflected in the scope of our portfolio, with a total of 12 platforms with an aggregate volume of 200Mbps operating from 5 Teleports over 8 satellites using 7 modem technologies and providing services to more than 1000 sites in Africa.



5 Teleports



8 Satellites



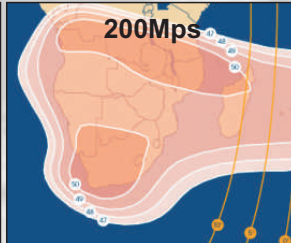
12 Platforms



7 Technologies



> 1000 Sites



200Mbps

Satellite Solutions

Q-KON has completed turn-key projects in Africa for more than 20 years and we have a well known capability to deliver telecommunication networks “from concept-to-solutions”.



Private Satellite Networks

As turn-key provider for wireless and satellite solutions, Q-KON is ideally positioned to design, implement and operate private network solutions for the banking and enterprise markets.

Government and Defense

Satellite communication networks are an effective and reliable solution for demanding government and defense communication networks.



Broadcast Solutions

Satellite access solutions with auto-deploy antenna systems are the ideal solution for Satellite News Gathering (SNG) vehicles. A wide variety of vehicle options can be supplied from entry level single-camera to full production vehicles.



GSM Backhaul

Satellite networks are ideal solutions to support the rapid deployment of GSM base stations. Satellite networks also provide effective space segment optimization to reduce cost and increase network capacity.

Product Alliances

Q-KON has an strategic agreement with NDSatcom for the supply of the SkyWAN IDU1070Q product for multi-star and mesh networks.



Q-KON operates an advanced Shiron enterprise network with extensive network security.

Q-KON operates 3 iDirect VNO networks and has provided various special solutions based on iDirect products.



Q-KON first started operating a ViaSat Linkstar hub back in 2003 and has since deployed 100s of Linkstar terminals throughout West Africa.

Wireless Solutions

Q-KON has provided wireless networks since 1988 and has a wealth of expertise in providing solutions based on WiMax, Wi-Fi, PDH and SDH and microwave technologies. Our RF propagation planning, system engineering expertise and installation capabilities enable Q-KON to offer turnkey solutions in challenging environments.



Point-to-Point Networks

We have completed many projects incorporating more than 1000 wireless point-to-point links for metropolitan and private wide area networks.



Specialist Wireless Networks

Q-KON is the perfect partner to develop real leading edge solutions, like the first underground Wi-Fi communication networks developed for the mining industry. Leveraging our world leading

product alliances and in-depth engineering expertise we can provide wireless network solutions for very, very challenging environments.

Mobile Surveillance Solutions

As a specialist solution provider, Q-KON provided various interesting mobile surveillance projects for the mining industry and for the web-based surveillance industry. These projects perfectly demonstrates our capability to delivery advance solutions from "concept-to-operation".



Outdoor Wireless Networks

Since 1997 Q-KON has specialized in outdoor wireless networks and at that time we have implemented the very first long-PMP



range 22km 2.4GHz links. Since then we have completed wireless networks solutions for the banking, mining and agricultural industries.

Product Alliances

WAVION
WIRELESS NETWORKS

Q-KON is the authorized Africa distributor for the Wavion wireless base stations that provide outdoor WiFi networks with beam forming and SDMA capabilities to ensure optimal coverage and the highest level of interference mitigation.

Aperto Networks is Q-KON's supplier of choice for WiMAX and fixed wireless access solutions. With a proven record for reliability and performance, the Aperto networks are welcomed by Africa Service Providers and Network Operators.



Q-KON supplied the first Ceragon network in 2006 and the partnership with Ceragon has proven to be the reliable choice for high-end licensed microwave solutions.

VoIP Solutions

NET-Quintum's intelligent VoIP switches and gateways are 'The Perfect Fit' for moving TDM PBX's onto IP, for interfacing IP PBX to the PSTN, or as an enabler for Microsoft's Unified Communications.

Q-KON is the proud distributor for the NET-Quintum products since 2002, with a large stock holding, a local product repair centre, and certified engineers offering phone, e-mail, or on-site support.



The broadest range of solutions and configurations

Quintum offers solutions ranging from 2 to 48 analog ports, FXS and FXO, FXS only, and FXO only options. From 1 to 32 E1 spans and 2, 4 or 8 BRI ports, as well as Session Border Controllers, Microsoft UC products, and a Remote Management Session Server for easy management of remote Tenors, even those behind NAT firewalls.

The performance you want.

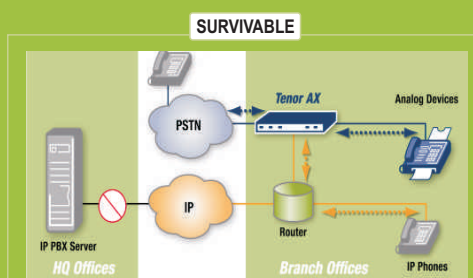
The installation simplicity you need.

Quintum's switches snap right into place in any environment. They interoperate with, and are fully transparent to all types of traditional and IP-based PBXs. They utilize existing voice and data infrastructure, and they support any type of dial plan. The switches also support analog fax machines, conventional paging systems, and other types of existing infrastructure. Their unique features enable businesses to make the move to VoIP without costly overhauls or equipment re-configurations.



Survivability

The Survivable Tenor delivers maximum survivability, including PSTN back-up of all circuit-based telephony equipment. The Tenor S also features built-in SIP proxy technology so remote offices can continue to operate even if their connection to a central SIP session controller is lost. That means IP phones can keep working regardless of what happens on the network. Combined with their unique PSTN failover capabilities, this feature makes Tenor S switches the most survivable solutions on the market.



VoIP Switches for Microsoft OCS

The VX-series of products are ideal for Microsoft OCS deployments or other demanding VoIP applications. Its high capacity multi-path call processing, supports up to 1000 "any-to-any" simultaneous calls, and up to 20 calls per second. The VX's optional hardware-based Security Acceleration Module provides scalable, high-performance IPSEC, SRTP & TLS encryption.

Transparent Deployment.

Optimum Survivability.

Smart Flexibility.

Discover the Perfect Fit

The Perfect Fit.

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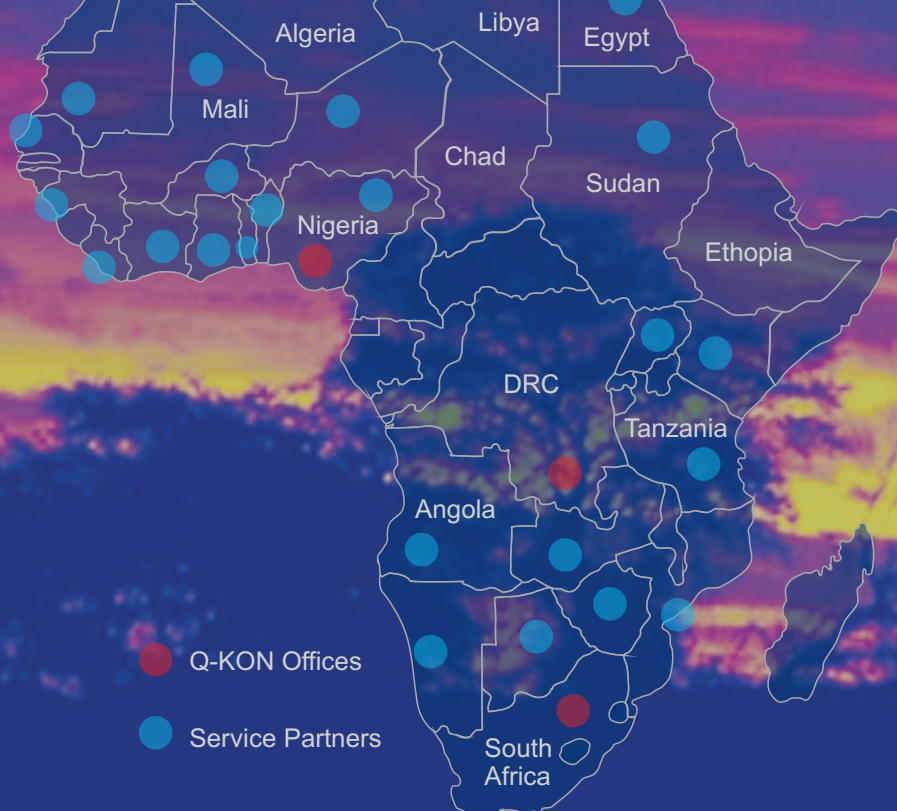
About us

Q-KON is a South African based engineering group that specialises in providing turn-key wireless communication solutions and managed network services for the emerging African telecommunications market. The Q-KON group includes **Q-KON South Africa (Pty) Ltd** who is focussed on servicing the South African industry, as well as **Q-KON Nigeria** and **Q-KON DRC**.

For the last 20 years, Q-KON has followed successful strategies to establish advance technologies in challenging environments to unlock real business benefits for all. Effectively integrating its commanding capability in wireless, VoIP and satellite technologies with an intuitive understanding, appreciation and respect of the African market, Q-KON management has conquered many business impossibilities.

Q-KON proudly represents leading equipment manufacturers and is a specialist distributor of niche products such as the Quintum VoIP product range and Wavion Wireless Technologies.

Since its inception Q-KON has distinguished itself in providing solutions and services supported by long term relationships and continued value add. Today Q-KON can proudly look back at 20 years of engineering achievements throughout Africa, underwritten by sound business practices and long-term ethical relationships.



www.qkon.com