

Contact : info@caspioan-services.com
Tel: +234 808-CASPIAN, +234 1 436 4520,
+234 802 292 2277, +234 803 304 3462
URL: www.caspian-services.com

CORPORATE PROFILE

OF



Caspian Services is about creativity in technology with an emphasis on Telecommunications and Information Technology. We are an idea laboratory that conceives and deploys only the right solutions to add value to your business in various ways, shapes and forms.....

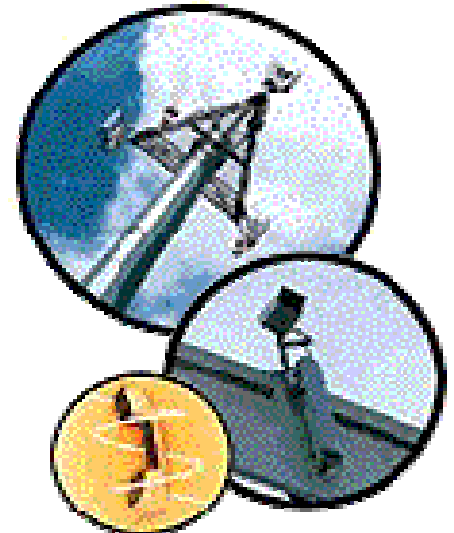
Caspian Services Limited is committed to providing you technology solutions, with ample attention to **service quality and the **deployment of highly reliable products and manpower.****

Caspian's core strategy is wrapped around enhancing our clients' experiences with technology, such that they vividly perceive increased value from the procurement and deployment of our solution(s) and service(s).

We engage in a series of extensive research, evaluation, planning, team effort and testing just to arrive at only the right solution the very first time.

Our employees and consultants' together possess a diverse set of competencies and skills that enable us offer solutions such as:

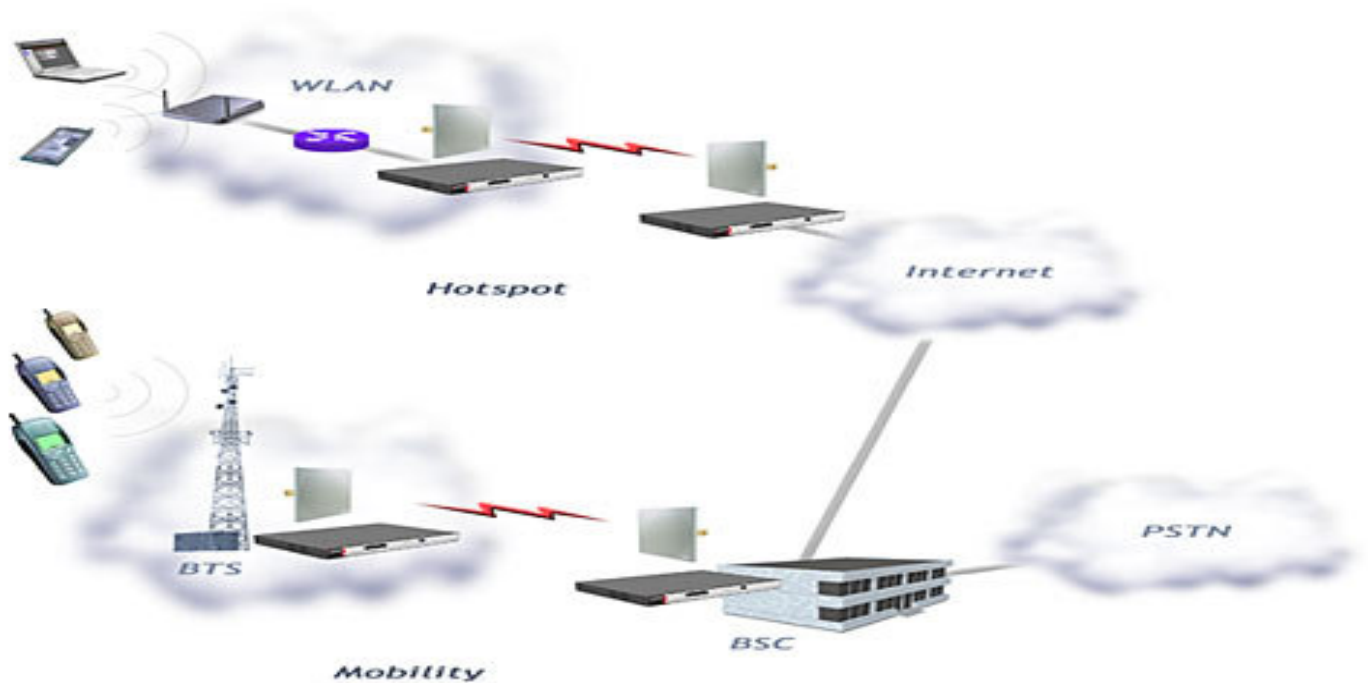
- Connectivity Solutions to link your offices, base stations, and other locations to one another....**Page 3**
- Collaboration Solutions such as Unified Messaging, IP Telephony, VoIP, Video Conferencing, Local Area Networking complete with intelligent switching and routing.....**Page 4**
- Quality of Service enhancement for your critical traffic using various techniques such as bandwidth optimization, policy-based routing, queueing, compression and access lists.....**Page 5**
- Storage Area Networks and Server Solutions.....**Page 6**
- Network support & maintenance services.....**Page 7.**
- Network Security to guarantee the integrity of all your electronic data such as confidential documentation, email, voice, Internet etc.....**Page 8**
- Display Systems **Page 9**
- Shelters and Data Centre infrastructure.....**Page 10**
- Technology Consulting Services.....**Page 11**
- Project References and Strategic Alliances..**Page 12**



OUR SOLUTIONS

At Caspian, we examine your specific needs and then tailor the most befitting solution for them. In short, the solutions and their constituent products are inspired by the nature of each requirement.

CONNECTIVITY SOLUTIONS

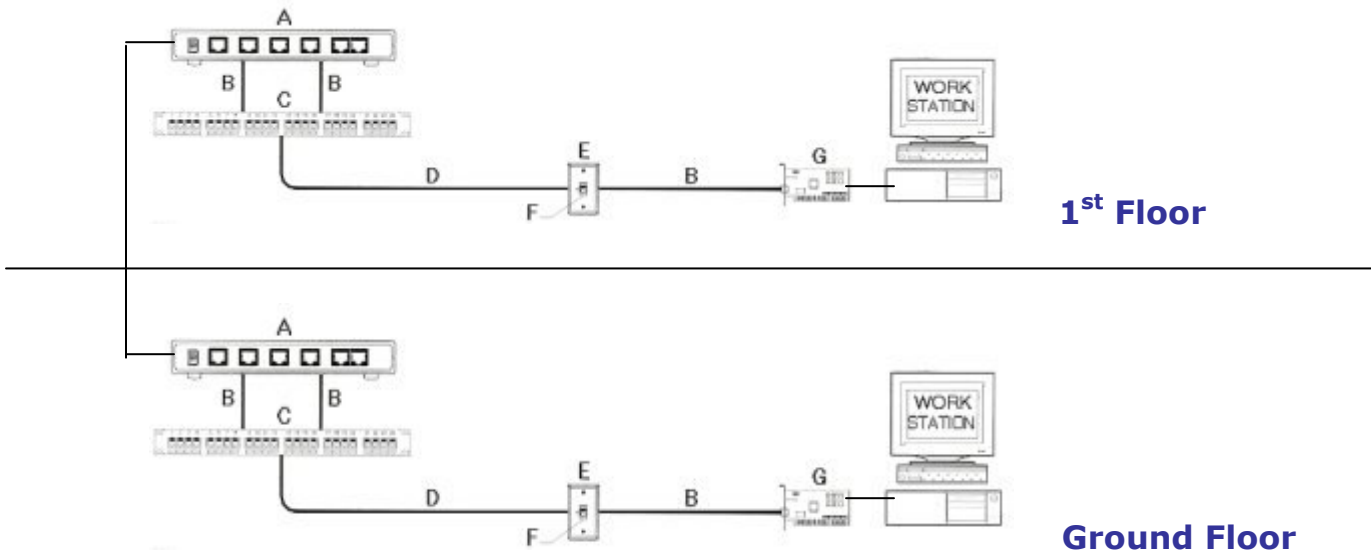


Our connectivity solutions are designed to ensure that you are beneficiaries of reliable, resilient and available links between:

- Your branch offices and headquarters
- Your warehouses and administrative buildings
- Your offshore and onshore locations
- Your chain of hotels, restaurants and other hospitality spots
- Your ISP and your premises
- Your BTSs, BSCs and MSCs.

We employ the use of best of breed products and technologies in our design phase such as **Fibre Optics, SDH, PDH, Satellite and VSAT, Broadband Wireless, Free Space Optics, Wi-Fi, WiMax** to mention a few.

COLLABORATION SOLUTIONS



At Caspian, we provide collaboration solutions that ensure that your most important business resources i.e. workforce, remain in touch with one another, anywhere, anytime.

From **LAN cabling infrastructure** through **IP Telephony, Unified Messaging and VoIP to Video Conferencing**, we ensure that members of staff can exchange all forms of information (data/voice/video/fax etc..) effectively within and beyond the enterprise.

We provide highly scalable, single and multi-floor LANs that enable data, voice, video and Internet applications. Across a single, dual or multiple cable infrastructure, we can convey all these applications without compromising data integrity and quality on each one.

In addition, using intelligent transport algorithms, we can leverage your existing old-grade copper infrastructure to provide high-speed LAN connections at today's speeds. This offering thus helps to protect your age long investment while obtaining new world services.

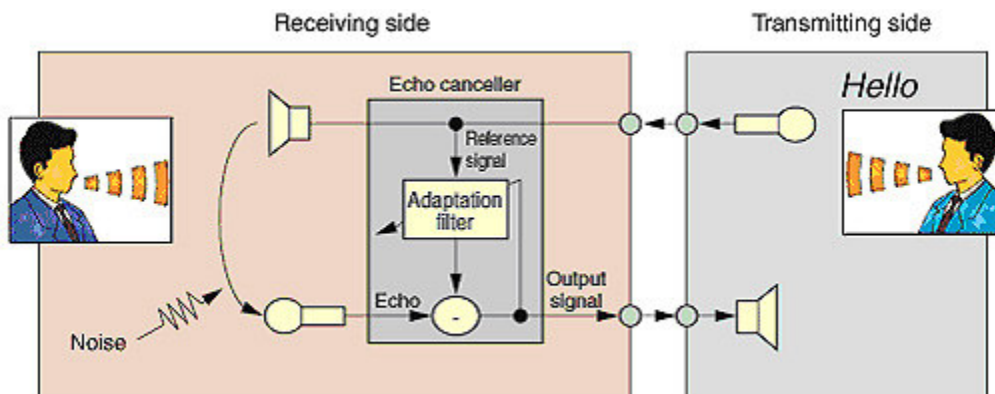
At the core of our LANs are switches, routers and hubs that are rich in traffic policies and security options. We offer single to multilayer switching and multi-protocol routing, depending on the nature of the LAN applications required.

QUALITY OF SERVICE (QoS) ENHANCEMENT

At Caspian, not only do we provide you the devices for your LAN, Wide Area Network (WAN) or Metropolitan Area Network (MAN), but we also add several layers of value via Quality of Service (QoS) enhancement.

We can either enable inherent Quality of Service features on your existing equipment or introduce new kit that will optimize service quality to your desired levels. Whether your objective is to prioritize data, voice or video traffic or to introduce varying levels of access privileges to expensive network resources or to expunge unnecessary packets of data from your network traffic in order to minimize congestion, our engineers are armed with the requisite skills to turn your business goals into operational reality.

We employ QoS algorithms such as acceleration, compression, queueing, access lists, filtering, optimization, load balancing, echo cancellation and many more.



Typical applications include:

1. BTS – BSC – MSC connectivity
2. Last mile connections to the ISP or Service Provider
3. Enterprise WAN (i.e. branch – branch and branch – HQ connections).
4. Point of Presence (POP) to Hub site connections.



COMPUTERS, SERVERS AND STORAGE AREA NETWORK SOLUTIONS

At Caspian, we are capable of providing your work force with the most essential business tool today i.e. computers and servers. In partnership with leading manufacturers such as HP, Dell, IBM and SUN Microsystems, you are not only bound to get the best PCs and Servers available across the globe today, but you will also receive global-class support and maintenance for your investment.

In addition, we provide robust and highly available Storage Area Networks (SANs) that will guarantee security and integrity of critical data. By deploying a centralized storage approach, using diverse technologies such as iSCSI, FCIP, Gigabit Ethernet and optical network infrastructure, we can implement a new SAN in your enterprise or convert your multiple servers and other storage media into a SAN.

Our SANs offer the following benefits:

- Reduce CapEx/OpEx
- Increase agility to support changing business priorities, application requirements and revenue growth
- Improve SAN extension infrastructures for long distance replication, backup and recovery to meet regulatory requirements and industry best practices
- Ensure Disaster Recovery and Prevention
- Guarantees Consolidated Backup

As an integral part of attaining a Enterprise Data Center Architecture, Caspian's intelligent storage networking solutions provide a better way of accessing, managing, and protecting growing information resources.



NETWORK SUPPORT AND MAINTENANCE SERVICES

Maintenance & Support Service in a peculiar industry like Information Technology and Telecommunications requires a clear understanding of operator and consumer needs. Caspian Services has the ability to deliver the needed Maintenance and Support changing business models require, thereby optimizing their network functionality and operations. Our Maintenance proposition provides for on-site assistance services and demonstrates our ability to deliver verified end-to-end integrated services with high quality and short lead times.

Our Maintenance and Support Services includes the following:

- Routine Preventive Maintenance/Site Visits, which could be scheduled based on client requirements and agreed upon service level
- On-site technical support and corrective maintenance on cabled networks for data, voice networks, PABX integration, high resolution video/video conferencing, FSO installations, Echo cancellation integration, Radio point-to-point installations, Network security etc.

NETWORK SECURITY

Caspian Services deploys innovative network security solutions. These solutions are dedicated to protecting networks with high-performance enterprise and Internet access and our security solutions are designed to meet the unique networking needs of the financial, carrier, energy, hospitality and other enterprises.

With enterprise-class software and hardware solutions, we will protect network assets by securing Data centers, Internet devices, laptops/notebooks and corporate desktops from intrusion and misuse.

We at Caspian are able to work with you to devise an airtight Security Policy and then turn your security policy into operational reality by extending it to the users and the distributed workforce. Our solutions will cater for the following:

1. Enforce consistent enterprise-wide security policy
2. Defend corporate assets against intruders
3. Assess and control enterprise-wide security posture. See fig. 2.1 below.

Fig. 3 The tenets of network Security



By proactively reducing your exposure to attack, Caspian will protect the most precious corporate asset i.e. information. Understanding the dynamic nature of those in need of access, our solutions create profiles and automatically adjust to secure users.

DISPLAY SYSTEMS

Caspian supplies, configures and installs high-resolution, flicker-free, world class display systems. In partnership with BARCO, the world leader in display systems, we can configure display systems to work with your

- i. Network Management Platform
- ii. Surveillance equipment
- iii. Presentation devices such as laptops, servers and desktops.

Our display systems are built to make work easier for the user by factoring in measurements from biomechanics (user height, seat height, angle of head turn both vertically and horizontally, angle of eye movement etc.). This way, network administrators or the audience during a presentation do not get weary or sore-eyed from continuous staring at the screen as is common with other display systems such as PC monitors and projector screens.



SHELTERS AND DATA CENTRE INSTRUCTURE

Caspian Services supplies and installs world-class, plug and play equipment shelters for housing expensive and critical micro base station, base station controller and Switching centre equipment.

These shelters can be customized to have one, more or all of many features including but not limited to:

- Energy efficient illumination
- Electro-statically discharged floor
- Interior cladding in white durrilium
- Over head ladder cable tray
- 16 port copper earth bar
- Vandal-proof, 4mm mild steel super structure
- Bullet proof doors
- Weather-proof large bay doors for awkward loads
- Fire detection alarm and audio-visual sounder
- Acoustic/Thermal insulation.
- 1 or 3 phase MCCB incomer
- High Density Fire Resistant (HDFR)
- Air conditioners
- and so many more.....

In addition, we can provide a holistic infrastructure solution for data centres including but not limited to:

- | | |
|--|--|
| i. Fire grade Walls | vii. Intelligent anti Fire systems |
| ii. Fire Grade Doors | viii. Access control |
| iii. Fire Grade Ceiling/floor | ix. Movement monitoring. |
| iv. Suspended Ceiling and Raised floor | x. Fail safe power system |
| v. Intelligent Climate control | xi. Planned workplace ergonomic spacing. |
| vi. Uniform Illumination | |



TECHNOLOGY CONSULTING

Caspian's value proposition here is the extensive, hands-on technical knowledge and skills that is common to all our consultants. These, combined with our consulting experience, are the basis of the potency of our team. We are capable of plunging through the most complex set of requirements to culminating in the best-laid process of evaluation, selection and recommendation.

At Caspian we have gathered experience in the design, deployment, installation and support of all types and sizes of technology solutions. We are equipped to guide and supervise the design and implementation of the most complex and intelligent solutions that ensure all your information technology needs are met.

Our practical experience, research programmes and monitoring of standardization and industry forums provides us with the knowledge to provide meaningful advice and technical consultancy to our clients and partners.

There is no single business process or functional area that has greater impact on financial performance of a corporation than procurement. In addition, the technology intensive industries that we serve need to source equipment, materials, components and services in a rapidly changing Nigerian environment

During this period of significant change, management will need objective, factual analysis and insight to identify and exploit new opportunities of improvements to keep their organizations cost and capital efficient. This puts extra demands on selecting the right suppliers, securing timely deliveries as well as specified quality, and striking the best possible commercial terms.

This is where Caspian comes into play. Our partners and managers have a wealth of experience from procurement assignments for our clients. We have adopted sophisticated tools and practices for all aspects of procurement. As a young and dynamic firm, **Caspian** has the ability and flexibility to respond to client needs and deliver outstanding results that directly improve our client's bottom-line results.

Outsourcing & Procurement Management Services help companies identify sourcing opportunities, improve top-line quality and acquire as well as sustain profitable long-term relationships with their suppliers. We guide our clients through the procurement process, from investment planning to final contracts. Through comprehensive evaluations of a global and local network of suppliers, we are able to select the most competitive suppliers and negotiate contracts with minimized procurement spend and risk exposure.



SOME CLIENT/PROJECT REFERENCES

Our clients include:

1. **MTN Nigeria**
2. **MTN Cameroon**
3. **Celtel Nigeria**
4. **Ericsson**
5. **Atlantique Telecomms(Abidjan)**
6. **UBA Plc**
7. **Access Bank**
8. **Fountain Trust Bank (Now Spring Bank)**
9. **First Inland Bank Plc**
10. **Orange Senegal**
11. **Orange Mali**
12. **Orange Cameroon**
13. **Orange Cote d'ivoire**
14. **Imperial Telecomms etc.**

At Caspian, we approach all our projects with the customer in mind. We work with each client to clearly understand their needs prior to system/solution design, installation and maintenance. Below are some key references:

1. Client : Ericsson West Africa, MTN Cameroon, Orange Cameroon, Orange Senegal, Orange Mali, Celtel Nigeria, MTN Nigeria, Orange Cote d'ivoire

Project Duration: Two-year contract, renewable thereafter

Project Status: In progress

Project Description: Caspian and the aforementioned Telecommunications Corporations have entered into a comprehensive support agreement to provide Carrier-Class support for all their respective networks that utilize Juniper, Extreme Networks and Sun Microsystems devices.

2. Client : Celtel

Address: Pot 1678 Olukunle Bakare Close, VI, Lagos

i. Project Description: Communication Design and Implementation Consulting for the entire Celtel nationwide enterprise network
Project Duration: One year contract; renewable thereafter
Project Status: In progress

ii. Project Description: Delivery of Avaya IP Telephony Solution comprising 500 IP Phones.
Project Duration: 4 weeks
Project Status: Completed



3. Client : UBA Plc

Address: UBA House, Marina, Lagos

Project Duration: Continuous

Project Status: In progress

Project Description: UBA recently selected Caspian Services to assist them in enhancing productivity of its workforce by upgrading and installing new switched LANs complemented by a Cat6 infrastructure platform. This LAN configuration will erode traffic bottlenecks and enhance the user experience (especially tellers) with respect to network response times, network speed and print times. **Caspian has so far upgraded over 20 branches of UBA.**

4. Client : Atlantic Telecomms / Ericsson

Address: Abidjan, Cote d'ivoire

Project Duration: 2 weeks

Project Status: Completed

Project Description: Implementation of network solutions comprising the supply and installation of Cisco layer 3 switches, Extreme Layer 3 switches, Juniper firewalls and SUN servers for 3G mobile applications.

5. Client : MTN Nigeria

Project Duration: Continuous

Project Status: All existing sites completed. Additional orders being expected.

Project Description: Supply and installation of fibre optic transmission between several MTN locations across the nation including Kano, Abuja, Bida, Okigwe, Lagos etc...

6. Client : Ericsson Nigeria

Address: 17 Walter Carrington Crescent, Victoria Island, Lagos

Project Duration: Continuous – Caspian is a permanent 3rd party partner (3PP) of Ericsson.

Project Status: In progress

Projects' Descriptions

- i. Supply and installation of numerous and diverse cisco routers, firewalls and switches, SUN workstations and Cyclades Console Servers.
- ii. Supply and installation of Juniper Carrier-class routers and firewalls and ExtremeNetworks Layer-3 switches for the MPBN networks lab. Equipment captured include Juniper M7i routers, Juniper Netscreen firewalls and Extreme Summit 48si L-3 switches.

7. Client : MTN Cameroon/Ericsson Cameroon

Address: Immeblue Gicam, Rue Valles des ministres, Bonanjo, Douala

Project Duration: Continuous – Caspian is a permanent 3rd party partner (3PP) of Ericsson.

Project Status: In progress



Project Description: MTN Cameroon through Ericsson Cameroon has engaged Caspian Services to provide ongoing support services for the Juniper M-series routers installed across MTN MSCs in Cameroon.

8. Client : VMobile/Harris

Address: Imperial Chinese Cuisine building, Ajose Adeogun Street, VI, Lagos

Project Duration: Continuous

Project Status: In progress

Project Description: Installation of microwave links across the country towards towards actualization of the Vmobile PROJECT ROSE objectives.

9. Client : MTN

Address: Km16 Ikorodu Road, Ojota Switch Centre, Ojota, Lagos

Project Duration: 4 weeks

Project Status: Completed

Project Description: Supply and installation of Network Equipment and accessories.

MTN has contracted Caspian Services Ltd to supply numerous critical network equipment and accessories for use in its ever expanding carrier and enterprise networks. These include routers, Gigabit interface cards, transceivers, LAN test tools and equipment and more.

10. Client : MTN

Address: Km16 Ikorodu Road, Ojota Switch Centre, Ojota, Lagos

Project Duration: 24 months support contract; renewable on expiration

Project Status: In progress

Project Description: Nationwide Data and PABX Network maintenance and support for MTN Nigeria

MTN has appointed Caspian Services Ltd to support its nationwide data and PABX infrastructure network. This includes support for cisco routers, switches, content engines, firewalls, servers, polycom videoconferencing devices and more.

11. Client : Fountain Trust Bank Plc (Now Spring Bank Plc)

Address: Plot 1611, Adeola Hopewell Street, Victoria Island, Lagos

Projects' Locations: Nationwide

Projects' Status: Completed

Project Duration: 7 days aggregate

Projects' Description:

i. Network Security Consulting

Caspian conducted network security audit for the HQ and 6 branches before devising guidelines for implementation of an effective security solution.



ii. LAN design implementation & support

Caspian recently designed and implemented a turnkey LAN for Fountain Trust Bank branch, capturing cabling infrastructure, PC Upgrade, clean power infrastructure, anti-fire raised floor and suspended ceiling, access control and voice over IP.

12. Client: Access Bank Plc

Address: Plot 1664, Oyin Jolayemi Street, Victoria Island, Lagos

Project Location: Obajana (Kogi), Abeokuta, Ilorin, Lagos, Bonny, Abakaliki and more

Project Status: continuous

Project Duration: 7 days

Project Description: LAN design, implementation & support

Caspian designs, implements and supports multiple LANs for Access Bank across several of its branch offices to deliver data and voice services to the users. Deliverables include data cabling, data switching, data centre infrastructure such as fire-rated raised floor and suspended ceiling.

13. Client: Imperial Telecomms Ltd

Address: Plot 284, Abagbon Close, Off Ologun Agbaje Str, Victoria Island, Lagos

Project Status: Completed

Project Duration: 4 weeks

Project Description: ISP design and Implementation for Imperial Telecommunications Limited

Project included installation, configuration and maintenance of billing software, VSAT connections, Cisco Access servers, routers, content engine, data & voice LAN, power backup, raised floors, access control, suspended ceiling, anti-fire systems etc..

STRATEGIC ALLIANCES

S/N	NAME	HQ LOCATION
1	Cisco Systems	USA
2	Juniper - Only JUNIPER SELECT partner in the whole of West Africa	USA
3	RADWin	Israel
4	Extreme Networks - Foremost Extreme Networks Partner in West Africa	USA
5	SUN Microsystems	USA
6	Mirapath	USA
7	Distributor Systems International	UK
8	RapidCloud Technologies Ltd	South Africa
9	Harris Corp	USA/Nigeria
10	Sky2Net Satellite Systems	Israel
11	ECI Group	Israel