

Technology
Advantage



ORACLE

Lenovo

EMC²



vmware

FORTINET



APC
American Power Conversion

COMMScope



VERTIV



HUAWEI

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OVERVIEW

1.0. Introduction

Technology Advantage Network Limited is one of the leading indigenous Information Communications Technology Company involved in proffering effective solutions. We offer full and advanced solutions in ICT for homes, offices and Government establishments.

Our products and services offer flexible, scalable, upgradeable, expandable and efficient solutions for Voice, Video, Data and Internet communications spanning the small, medium or wide areas of needs within and outside the country.

Today, Technology Advantage Network Limited boasts of its regional offices in Port Harcourt, Abuja, and foreign office in London, UK. We are renowned for our professionalism in providing solutions to satisfy customers both locally and overseas. The company strives for more challenges on growing and expanding technologies systems to match markets requirements.

1.1. Incorporation

Technology Advantage Network Limited (RC. 483184) was incorporated in June 2003 as a Limited Liability Company with its corporate Head office in Lagos, Nigeria. Since then it has engaged in ICT oriented products and services.

1.2. Goal

Our goal is to deliver the ICT solutions and products to our valuable customers in the most desired way to ensure maximum customers' satisfaction. With today's cutting-edge technologies and our expertise, we hope to bridge the digital divide by widening our services to the communities, providing them with the latest and up-to-dates products and services at their fingertips.

1.3. Mission

To offer high and unbeatable quality ICT services for individuals and corporate organizations at different locations within and outside the country at the right prices.

1.4. Vision

To be one of the most reputable and outstanding ICT company in Nigeria.

SERVICES

TECHNOLOGY ADVANTAGE

1.0. Computer Systems and Servers Supply

Our company is fully involved in offering high-level solution using products and solution from our partners such as:

- APC
- CISCO
- ORACLE
- IBM / LENOVO
- DELL
- MAC
- MICROSOFT
- HP

In meeting up with clients demand and being competitive in price, we also offer a wide range of hardware from other manufacturers like Alcatel, Panasonic, Avaya, D-Link, Linksys etc.

2.0. Data Center Infrastructure

We offer high-tech design, set-up and installation of facilities for data and voice communication equipment; mobile or permanent data centers and OB. We design state of the art data center with technological advance d infrastructure to meet clients' needs from start to finish.

Sample Design of Data Center

The furnishing of our data center facilities design includes but not limited to the followings;

- Cement Concrete Work
- Furniture & fixture
- Cutting and chipping of existing floors
- Partitioning
- Trench works
- Doors and Locking
- Masonry works
- Painting/ Vinyl covering
- Hardware and Metals
- Fire proofing all surfaces
- Glazing
- Insulating
- Paint work
- Environmental Monitoring Solutions
- False/Raised Flooring
- False/Suspended Ceiling



3.0. Communication Systems & Infrastructure

We design, construct, install and setup communication centers, cell sites, repeater stations and telecoms towers. We specialize in the installation of BTS, WIMAX, GSM, and CDMA equipment with high level of expertise 2.3, 2.4, 3.8 or 5 GHz frequency-based equipment as the case may be.



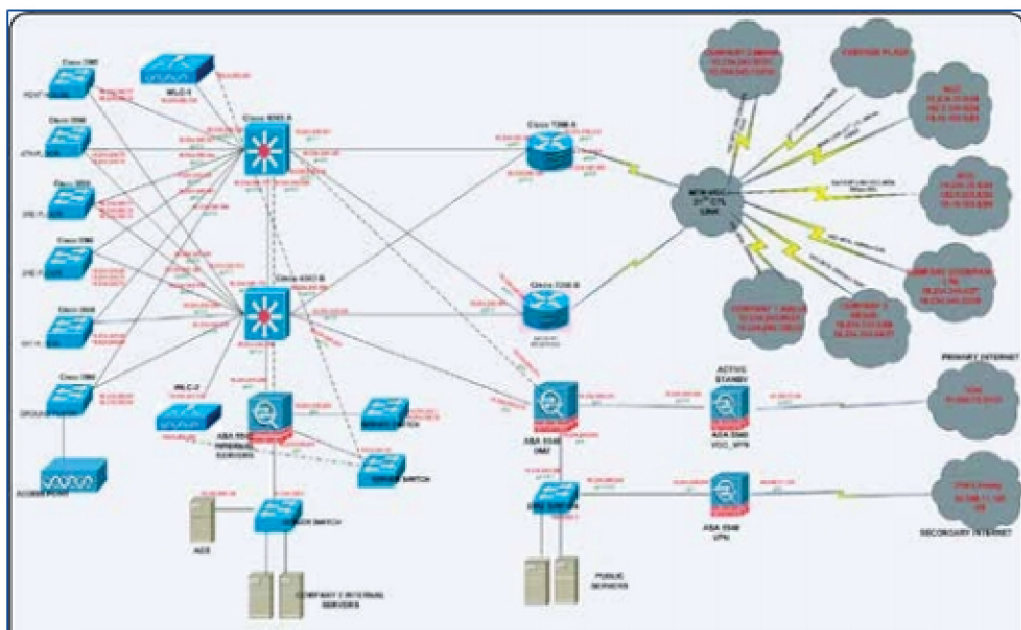
Types of Telecommunication Towers

There are different types of communication towers based upon their structural action, their cross-section, the type of sections used and on the placement of the tower. Below are the different types of towers:

- Microwave Towers
- Guyed Towers
- Self-Supporting Towers

4.0. Network Solutions

We design, setup and implement Local Area Networking (LAN), Wide Area Networking (WAN), Metropolitan Area Networking (MAN), Campus LAN and Wireless LAN solutions.



4.1. Local Area Network (LAN)

We are experts in the design, installation, implementation, and maintenance of cabled LAN and Wireless LAN. With several years of experience, your organization can be certain to receive top-notch tailor-made LAN network solution from us.

4.1.1. Cabled LAN

We are professionals at designing, deploying and maintaining a structured cabling system for Data, Voice, and Video based on SYSTIMAX and BRAND-REX Technology.

The process of achieving a standard and effective LAN depends on having a standard cabling system in a place. This cabling system is a term STRUCTURED CABLING SYSTEM.

In the implementation of our designed WLAN, the following standard is used:

- IEEE 802.3; EIA/TIA 568A/B Wired
- Structured Cabling System
- Cable Standards are Categories 6, 6e and 7
- RJ 45 connector standard
- Cables are twisted pair UTP, STP, FTP

4.1.2. WLAN (Wireless Local Area Network)

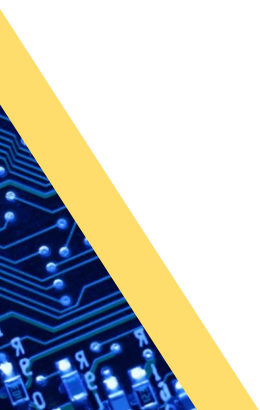
We have designed WLAN for a large network with users more than 1000 in a mesh network for seamless movement. Our WLAN model ensures optimal bandwidth utilization and gives QOS preference for critical applications. To ensure a secured network, Firewall, Policy-Based Routing and Network Address Translation will be implemented at the edge.

IEEE Standard	802.11a	802.11b	802.11g	802.11n	802.11ac	802.11ax
Year Released	1999	1999	2003	2009	2014	2019
Frequency	5Ghz	2.4GHz	2.4GHz	2.4Ghz & 5GHz	2.4Ghz & 5GHz	2.4Ghz & 5GHz
Maximum Data Rate	54Mbps	11Mbps	54Mbps	600Mbps	1.3Gbps	10-12Gbps

SECURITY OF WIRELESS ACCESS

From the edge at the Core to the Access level, our solution provides an integrated means to manage the security operations within the Enterprise Architecture. The solution combines the ability to manage firewalls, VPNs, network IDS and host IDS, as well as continuously monitor security and performance information.

- The Edge firewall protects the entire network and prevent network intrusion
- Authentication of AP and Client to detect rouge access
- Encryption of Data across AP and Clients.
- Active Directory and ACS user authentication system



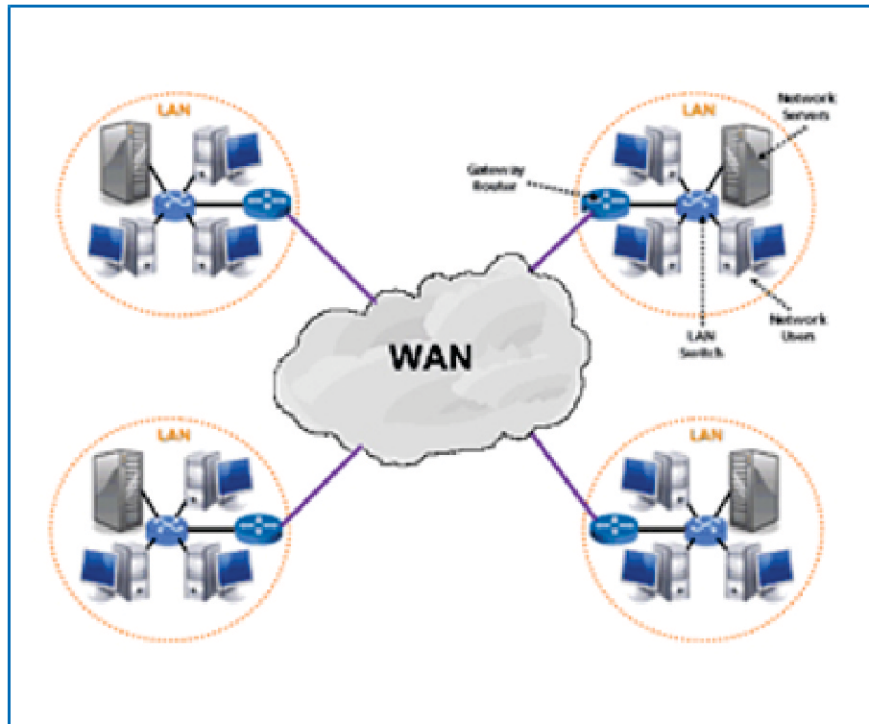


4.2. Wide Area Network (WAN) / Metropolitan Area Network (MAN)

We are recognized for our proficiency in the design, implementation, and maintenance of private enterprise WAN made up of leased lines, a frame relay service or an ATM service, point-to-point Fiber or Radio connection, MPLX, SD-WAN networks to connect two or more locations together.

In the implementation of a WAN/MAN, we use the following technologies to achieve our design:

- VSAT (very small aperture terminal)
- Wireless Radio
- Fiber Optics
- ISDN / DSL and ADSL
- E1 Lines
- LTE

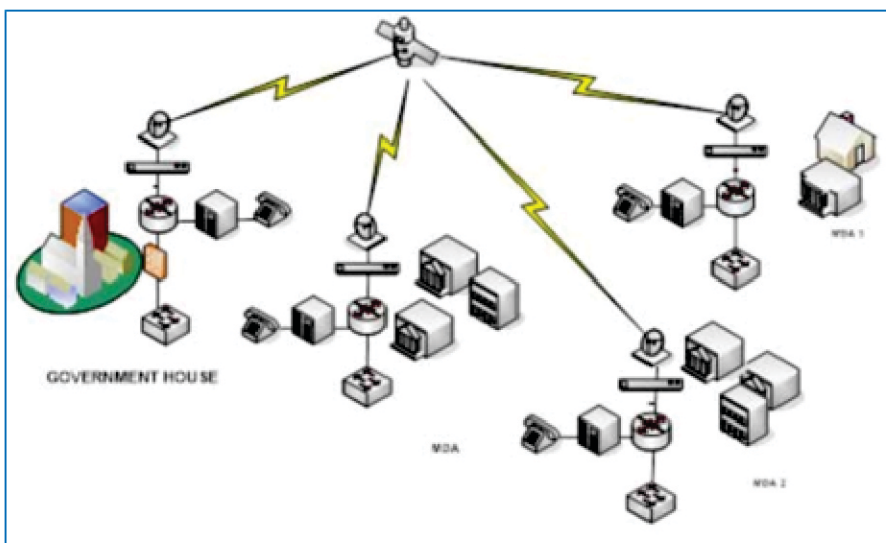


4.3. Internet Connectivity / VPN Services

Technology Advantage's Internet access solutions is a fully managed high-speed Internet services offering direct-to-router, direct-to-LAN connectivity and integrated Internet access for your private networking services with a choice of access media at the last mile [Fiber or Microwave radio]. It offers enterprise-class scalability and access across multiple IP-based infrastructures, along with many of the performance and security characteristics traditionally found only in dedicated private environments. Our service can handle multiple types of Internet traffic such as IPsec VPN, Voice over IP (VoIP) and Video over Demand (VOD).



We carefully design a VPN to take of the following topologies: STAR OR MESHED HYBRID. Our VPN solution provides reliable and fast internet communication for mission-critical applications and branch network connectivity with our teleport based in the USA and 24hrs technical support services.

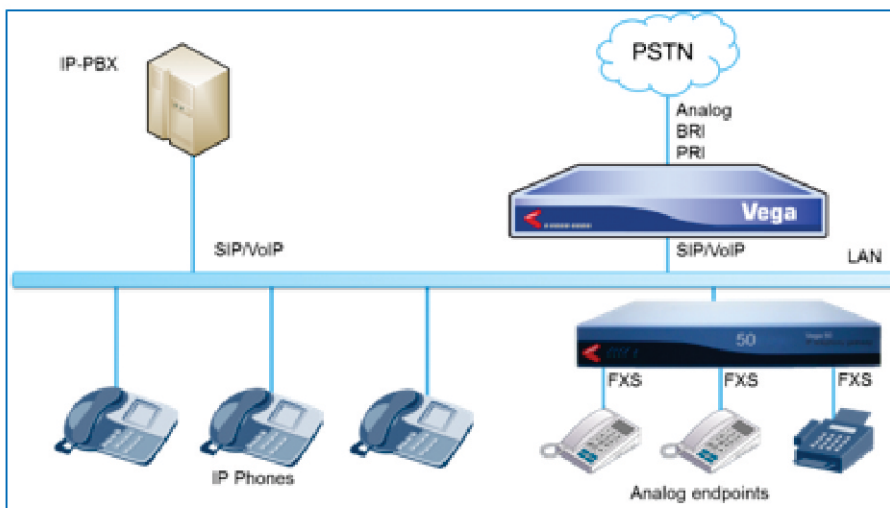


4.4. VOIP, Data and Video Communication

This is a voice over internet protocol solution that is efficient, reliable and cost saving, suitable for today's homes, public and corporate establishment. We provide seamless data and voice communication of unbeatable quality. We offer international gateway services for voice connection to the ends of the world.

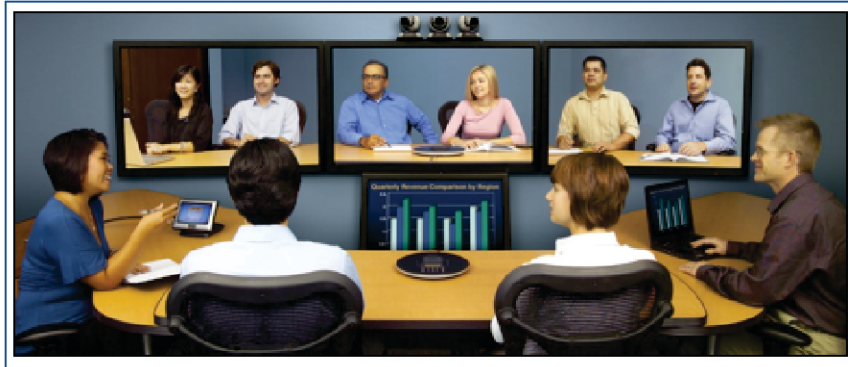
4.4.1. IP Telephony / Intercom Systems

IP Telephony (Internet Protocol Telephony) is a general term for the technologies that use the Internet Protocol's packet-switched connections to exchange voice, fax, and other forms of information that are traditionally been carried over the dedicated circuit-switched connections of the Public Switched Telephone Network (PSTN). Using the Internet, calls travel as packets of data on shared lines, avoiding the tolls of the PSTN. The challenge in IP Telephony is to deliver the voice, fax, or video packets in a dependable flow to the user. Much of IP Telephony focuses on that challenge.



4.4.2. Video Conferencing / Telepresence

The advancement of technology comes with a lot of change in the way we are able to communicate, connect and even go about business and execute our obligations. One such technology that has brought a revolution in the communications industry is telepresence. As a partner to major OEMs of telepresence solution, we are sure to offer you world class and cost effective telepresence solutions.



5.0. Business Solutions & Applications

As partners with OEM's, we offer various enterprise solutions to suit your business needs, these will sure give a competitive advantage for businesses. They include MS Windows, MS Office suites, Exchange, Backup solutions, etc.

5.1. Enterprise Risk Management / Business Continuity Solution

We partner with Virtual Corporation INC.USA to offer Business Continuity Planning Solution (BCPS). BCPS is also known as Business Continuity & Resiliency Planning (BCRP). The logistical plan used in BCP is called a business continuity plan. The intended effect of BCP is to ensure business continuity, which is an ongoing state or methodology governing how business is conducted.

Our Business Continuity Planning Software include:

- Business Impact Analysis (BIA)
- BC Program
- BC Planning

Business Continuity Planning Software

Business continuity planning (BCP) Software is software for “planning which identifies the organization's exposure to internal and external threats and synthesizes hard and soft assets to provide effective prevention and recovery for the organization, whilst maintaining competitive advantage and value system integrity”. To get this done the Business Impact Analysis, BC Program Design and BC Planning has to be in place.

5.2. Business Application

We are a group of business, financial and technology experts helping leaders transform organizations. We deliver expert guidance and leading solutions to help improve business management and performance.

We have established ourselves with expertise in business management, financial management, software development and consulting. We deliver solutions by leveraging practical experience in Business Intelligence, Financial and Costing Principles, Shared services, and employee performance management. Our suite of software are:

5.2.1. *Office 365*

As a Microsoft partner, we offer Office 365 solution to meet your organization's needs at the most affordable price.

With Office 365, you can:

- Work from anywhere
- Achieve robust security and reliability
- Engage in Subscription-Based Payment
- Collaborate with your team
- Receive access to the latest programs
- You Can Work With What You Know
- Have access to Office 365 Mix And Match Plans

5.2.2. *Microsoft Dynamics NAV*

Microsoft Dynamics® NAV™ is a multi-language, multi-currency business management solution that helps mid-sized businesses manage their financials, supply chain, and people to create experiences that delight their customers. It is quick to implement and easy to use, with the power to support your growth ambitions. Start with what you need today and add what you need later—whether it is in the cloud or on premise. Microsoft Dynamics NAV delivers the capabilities, performance, and ease of use trusted by more than 100,000 diverse businesses around the world.

Control your business growth to its full potential.

If your business is growing and ready to take on more opportunities, Dynamics NAV can help. An easily adaptable enterprise resource planning ERP solution, it helps small and medium sized business automate and connect their sales, purchasing, operations, accounting, and inventory management.

Advantages / Benefits

- Financial management
- Supply chain management
- Project management
- Human resource management
- Customer relationship management

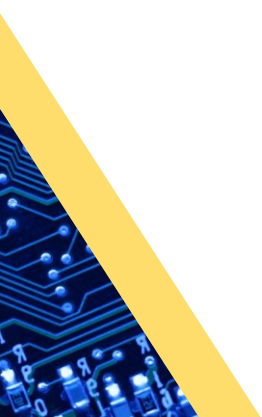
5.2.3. *Microsoft Dynamics CRM*

Microsoft Dynamics CRM is a complete customer-relationship management solution that gives you a 360-degree view of your organization's needs — from first contact through service fulfillment. It will automate your day-to-day tasks for sales, customer service, field service, call center, and marketing to enhance business growth.

Microsoft Dynamics CRM provides a comprehensive view of contact information and interactions through the integrated sales, marketing, and customer service features. Your team will be able to share information, accelerate sales, identify new revenue opportunities, and deliver service that is more consistent to your customers.

Why use Microsoft Dynamics CRM?

- Attract prospects more effectively
- Improve business performance
- Increase engagement with existing customers, partners and members
- Manage and share business information easily
- Operate more profitably by working efficiently



5.2.4. Microsoft SharePoint

Microsoft SharePoint is widely used as a powerful business collaboration platform for many of the world's most successful organizations. It provides a dynamic, cost-effective solution for organizations that are looking to add robust collaborative capabilities to their workflow.

SharePoint is an integrated suite of server application capabilities that can help improve organizational effectiveness by providing comprehensive content management and Enterprise Search, accelerating shared business processes, and facilitating information sharing across boundaries for better business insight.

At Technology Advantage Network Ltd, we have the knowledge and expertise to help your organizations increase productivity by creating and deploying solutions that help organizations take advantage of their IT resources. If your organization is searching for a way to align your business' technological tools with its operational workflow, look no further than our professional SharePoint deployment services.

5.2.5. Data Base Management

As a partner to the major OEMs in database management, our pool of experts are capable of deployment, management and maintenance of database and applications for your organization.

Some of our expert applications are:

- Oracle RDBMS
- IBM DB2
- Microsoft SQL Server
- SAP Sybase ASE
- Teradata
- Amazon RDS
- Mongo DB
- Redis

5.3. Enterprise Data Replication

We collaborate with reputable data replication and business continuity OEM's to offer business continuity and data replication solution for disaster recovery solution of mission critical operation. A partner such as Oracle, VMware, Oracle, Microsoft amongst many other partners' offers different solution to help achieve high reliability in disaster recover between remote locations for files and applications.

5.4. Asset Management/RFID

We offer the Asset Management solution that gives total inventory control of all the assets in an organization. This enables every organization to determine the location of her assets, date purchased, current value; it also deters theft as the assets are bar coded (Bar code printed on a label that has information about the item to which it is attached on).



Our Asset Management Solution provides a wide range of labels that include paper, polypropylene, metal, aluminum all customized to meet your specific need.

Our RFID (Radio Frequency ID) solution is used in departmental stores, fleet management, etc. for high-level asset security and an anti-theft system. It helps companies protect their valuable assets and stocks from mismanagement and theft as it gives various types of alert.

5.5. Software and Application Development Services

5.5.1. Web Applications

We have skills for a 360° development by offering you with expertise from HTML/CSS to React JS, SQL to Mongo DB and PHP to Node JS. We do Backend, Frontend, APIs, and Server Applications, Web designing, Web development, dev-ops and Maintenance of your servers and applications. We have the best Full-Stack engineers working with us and they have proceeded their skills in Mobile Apps API development, Progressive Web App Development, E-Commerce solutions on Magneto, Cloud Migration and Enterprise Web application development.

5.5.2. System Applications

Our seasoned architects help our clients evaluate options to bring their projects to life. The best digital experience requires a robust back-end foundation. Our team has years of experience integrating with back-end and middle ware systems and can evaluate alternatives based on cost, time to market, implementation risk, performance, scaling, and security considerations.

5.5.3. Mobile Applications

We have the proficiency to meet the needs of most industries efficiently in a timely manner by offering native & hybrid android app and IOS app development solutions for all industries. If you have an awesome idea, feel free to contact us and if you do not, reach out to us anyway to build an idea. Some of the different types of apps we build are:

- Native android apps
- UI/UX Designs
- IOS Apps

6.0. Security

6.1. Network Security and Audit

We offer full scale network security features using authenticated IPS/IDS (Intrusion Prevention/Detection System) on the entire network (Firewall and proxy servers, antivirus, Internet Security Software Package). In addition, our employment of virtual private network, digital signatures and additional security at access points ensures that our network auditing capacity is at the highest level.

6.2. Physical Security

6.2.1. CCTV Surveillance Systems

Our key aim for this technical solution is to provide you with a high quality, fast-acting IP based and Analogue surveillance service with 24/7 availability that effectively meets your need.



Our supply, installation, and configuration of high quality fast-acting IP CCTV surveillance systems shall cover:

- High vision and motion sensor
- Facial and Plate number recognition.
- Remote and On-Premise view of CCTV coverage area.
- Analytics

We are recognized not just for our expert level in the supply, installation, and configuration of CCTV but also in ensuring that the appropriate devices and systems are put in place for optimum performance.

We deal in a wide range of CCTV such as:

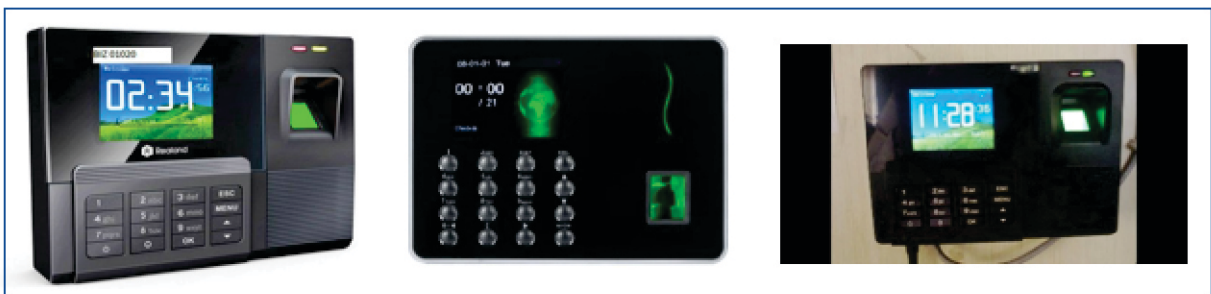
- Dome CCTV Camera
- Bullet CCTV Camera
- C-Mount CCTV Camera
- Day/Night CCTV Camera
- Infrared/Night Vision CCTV Camera
- Network/IP CCTV Camera
- Wireless CCTV Camera
- High-Definition HD CCTV Camera

It is important to note that these features are not distinct to different CCTV's as some of them have a number of the features combined to meet the customers need. With respect to your requests, Technology Advantage Network Ltd is willing to put her high level of expertise and over 10 years of practical experience in the supply, installation and maintenance of CCTV systems for your organization.

6.2.2. Biometric Time Attendance Systems

As a partner of major OEMs, we design, supply, install and maintain Biometrics / Card Access Time Attendance Systems for data centers, server rooms, and other environments.

Our systems are tailor- made to give adequate satisfaction, meet desired requirements and work with numerous other existing technology.



6.2.3. Access Control Systems

As a partner of reputable OEM, we design, supply, install and maintain Biometrics / Card Access Control Systems for data centers, server rooms, and other environments.



Our systems are tailor-made to give adequate satisfaction, meet desired requirements and work with numerous other existing technology.

Our expert base also specializes in the areas below:

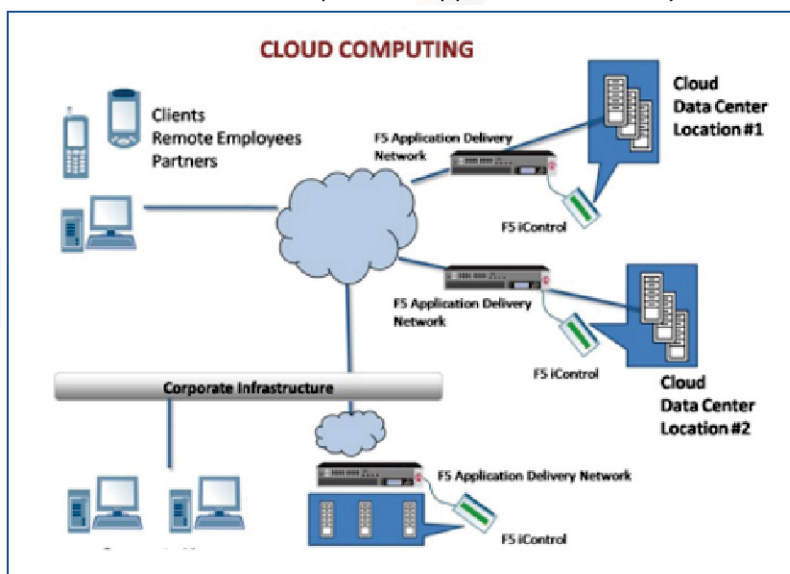
- Boom Gate
- Sliding Gate Operators
- Swing Gate Operators
- Super market Gates
- Turnstile & Flap Barriers etc.

7.0. Cloud Services

Technology advantage offers cloud solution to meet the various needs of individuals and corporate organizations. Our cloud solution includes the local and remote systems for storage, data replication services, applications servers, and mail services. This helps save many investments for companies especially startups and thereby increases the company's profitability. As partners of VMware, IBM, Oracle, Microsoft and other Cloud service providing companies and our vast experience in Cloud Computing, we provide top of the class cloud computing service to organization to meet their needs at the right price.

Our cloud services;

- Helps you to store web contents and big data.
- Back up archive critical data and helps to run applications remotely.



7.1. IaaS (Infrastructure as a Service)

With IaaS, Instead of having to purchase the hardware outright, users can purchase IaaS based on consumption, similar to electricity or other utility billing.

Compared to SaaS and PaaS, IaaS users are responsible for managing applications, data, runtime, middleware, and OSes. Providers still manage virtualization, servers, hard drives, storage, and networking. Many IaaS providers now offer databases, messaging queues, and other services above the virtualization layer as well. IaaS Examples: Amazon Web Services (AWS), Cisco Metapod, Microsoft Azure, Google Compute Engine (GCE), Joyent

7.2. PaaS (Platform as a Service)

With PaaS, developers gain a framework they can build upon to develop or customize the application. PaaS makes the development, testing, and deployment of applications quick, simple, and cost effective. With this technology, enterprise operations, or a third-party provider, can manage OSes, virtualization, servers, storage, networking, and the PaaS software itself. Enterprise PaaS provides line-of-business software developers a self-service portal for managing computing infrastructure from centralized IT operations. Similar to the way in which you might create macros in Excel, PaaS allows you to create applications using software components that exist in the PaaS (middleware). Applications using PaaS inherit cloud characteristics such as scalability, high-availability, multi-tenancy, SaaS enablement, and more. Enterprises benefit from PaaS because it reduces the amount of coding necessary, automates business policy, and helps migrate apps to a hybrid model.

7.3. SaaS (Software as a Service)

Our SaaS applications can be run directly from a web browser without any downloads or installations required, although some require plugins. Because of the web delivery model, SaaS eliminates the need to install and run applications on individual computers. With SaaS, it is easy for enterprises to streamline their maintenance and support, because vendors can manage everything: applications, runtime, data, middleware, OSes, virtualization, servers, storage and networking.

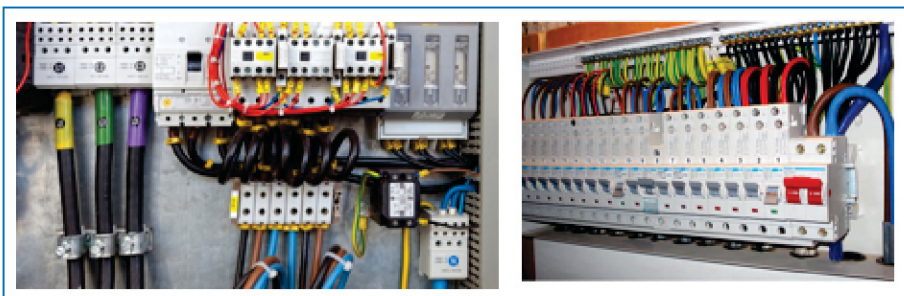
8.0. Power Systems and Electrical Installation

We have expertise in design, supply, installation and maintenance of the following:

- i. AC power system (low voltage)
- ii. DC power system including
 - Inverters
 - Rectifiers
 - Battery Bank
- iii. UPS
- iv. Electrical cabling and Installations
- v. Power Network Systems
- vi. Earthing System

8.1. AC Power Systems (Electrical Installation)

Our experts are also specialized in the design, supply, installation, and maintenance of the electrical system.



Many of our customers prefer us because we have a more holistic view of how the system works as a whole. We see beyond just the system but the purpose for which the system is designed, thereby enabling us to give you the best tailor-made solution that suits you.

8.2. DC Power Systems

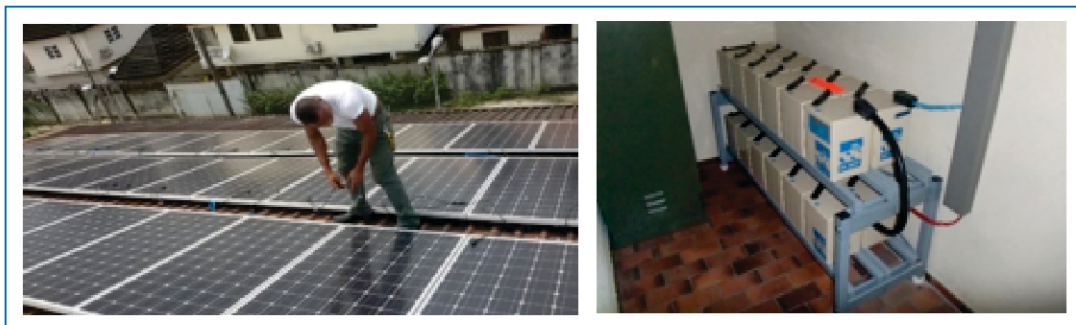
8.2.1. Inverters

Technology Advantage Network Ltd is willing to put her high level of expertise and over 10 `years of practical experience in supply, installation and maintenance of inverters to ensure optimum power uptime and systems longevity.

As partners with the makers of reputable inverter industries both locally and globally, you can be rest assured that you are getting the best product and services at the most cost-effective price.

With respect to the customers demand, our solution can offer as much as:

- Reducing long term running cost using the energy generated from Solar rather than high cost of electricity.
- Reducing downtime by 99.9%.
- Reducing maintenance cost of sensitive devices with low tolerance for power fluctuation.



8.2.2. Rectifiers

Our vast pool of experts are available to provide and install all kinds of rectifiers to meet the needs of your homes and organizations.

We supply and install different types of rectifiers that includes:

- Half Wave Rectifiers
 - Positive Half Wave Rectifiers
 - Negative Half Wave Rectifiers
- Full Wave Rectifiers

8.3. UPS

An uninterruptible power supply or uninterruptible power source (UPS) is an electrical apparatus that provides emergency power to a load when the input power source or mains power fails. A UPS differs from an auxiliary or emergency power system or standby generator in that it will provide near-instantaneous protection from input power interruptions, by supplying energy stored in batteries, super capacitors, or flywheels. The on-battery run-time of most uninterruptible power sources is relatively short (only a few minutes) but sufficient to

start a standby power source or properly shut down the protected equipment. It is a type of c o n t i n u a l power system.

With respect to your requests, Technology Advantage Network Ltd is willing to put her high l e v e l o f expertise and over 10 years of practical experience in the supply, installation and maintenance of UPS systems for your organization.



The minimum benefits you can get from our solution includes:

- 1. Power Consistency and Continuity:** Our UPS will ensure there is no break in power supply when there is a power outage. It also regulates power during spikes, surges and brownouts, ensuring your business runs smoothly.
- 2. Prevents Significant Loss of Data:** Our UPS ensures that no electrical devices stop running when there is an outage, so all of your data will be protected and you have time to either power down important services or connect to your backup generators to ensure no data is lost.
- 3. Protects Machines/ Equipment:** In a similar way to data protection, our UPS ensures that no damage happens to sensitive machinery. It gives you time to correctly power down or turn on backup generators.
- 4. Reduced Noise:** unlike backup generators, our UPS has almost no noise output, meaning it will not disrupt your day-to-day activities and can be installed almost anywhere.

9.0. Capacity Building and Training Services

We offer hardware and software trainings, specialized trainings and capacity building services for Governments, private companies and public corporations. Our staff competencies and partnership with Cisco Network Academy, the ICOR and so on has given us an edge in giving unbeatable training and state of the art capacity building services. This will address and enable managers and staff of trained organizations to be dynamic, solving today's challenges.

Below is the list of all the trainings we offer:

- CDCP: CERTIFIED DATA CENTER PROFESSIONAL
- CDCS: CERTIFIED DATA CENTER SPECIALIST
- CDCE: CERTIFIED DATA CENTER EXPERT
- CTIM: CERTIFIED IT MANAGER
- ITIL
- CISCO
- BUSINESS ANALYSIS
- INTERNET / CLOUDING VIRTUALIZATION
- NETWORKING (TROUBLESHOOTING MANAGEMENT)
- MICROSOFT
- BUSINESS CONTINUITY

10.0. Consultancy Services

10.1. Managed Support Services

Our first-class managed support services are aimed at helping small, medium and large organizations cope with day-to-day ICT activities within the organization in order to save money, time, and effectively manage their ICT resources and investment. We offer various types of managed services so that businesses can concentrate on their core functions while we take the stress off them. These services can be in-house, remote, on call or the regular maintenance.

10.1.1. In-House Premium Support

We provide in-house resident support to your staff (end-users) and installations, in which our personnel reside with the premises 24/7 to manage all equipment and services.

This support services offers the following features, which enables network investment protection and minimal downtime for systems running critical application:

- Provides timely problem resolution 24/7 through access to our technical expertise
- Make network technical knowledge and resources available to you on demand
- Augments the resources of your operations technical staff to increase productivity
- Ensure that your corporation benefit from latest hardware upgrade on demand.

10.1.2. Remote Support

For the remote support, we manage the equipment and installations from our office remotely, our personnel will not have to be physically present in your premises, he can log on from a remote location to render the service.

10.1.3. On-Call Support

We also offer on call basis which pay as you call support services. This occurs when the client will have to call the office support center for help and we send one of our engineers to solve the problem.

10.1.4. Regular Maintenance Support

We offer regular support services in which our personnel do a regular monthly visit to your premises. The various maintenance support services are:

- A. General Maintenance and Servicing: This involves general cleaning, dusting of the customer premise equipment (CPE).
- B. Preventive Maintenance: This involves a proactive approach to problem solving; it entails checking of the performances of the customer's premise equipment's and observing possible future problems and addressing them before problems arise or before it becomes an issue.
- C. Corrective Maintenance: This involves repairs of any faulty or bad devices. This will take place at any time as they occur.
- D. General Support: This involves on demand call for assistance in achieving a particular objective in your organization. It could be through the following;

- E-Mail/Phone Support On-site Visit

10.2. Project Management

PROJECT IMPLEMENTATION, SUPPORT, AND MAINTENANCE

Implementation

For project management services, we engage in helping clients manage their installations based on their setout objectives.

For the duration of the project, we would need to work closely with your staff at different levels, the services providers / contractors, suppliers and other parties for the successful completion of the project. Below is the breakdown of major tasks that would require the Client's assistance to execute in a timely manner.

Initiation

The initiating processes determine the nature and scope of the project. The key project controls needed here is an understanding of the business environment and incorporation of all necessary controls into the project. There should be recommendations to fix all reported deficiencies

Planning and design

There should be appropriate planning after the project initiation. The main purpose is to plan time, cost and resources adequately to estimate the work needed and to manage risk effectively during project execution.

Executing

Executing consists of the processes used to complete the work defined in the project plan to accomplish the project's requirements. Execution process involves coordinating people and resources, as well as integrating and performing the activities of the project in accordance with the project management plan. The processes performed produce deliverables as output as defined in the project management plan and other frameworks that might be applicable to the type of project at hand.

Monitoring and controlling

Monitoring and Controlling consists of those processes performed to observe project execution to identify potential problems are identified by in a timely manner and corrective action can be taken, when necessary, to control the execution of the project.

Closing

Closing includes the formal acceptance of the project and the ending thereof. Administrative activities include the archiving of the files and documenting lessons learned.

Knowledge Transfer

Technology Advantage will ensure that technical training done for the key users (Technical Team) of the entire project upon completion of the project. This is to allow for easy transfer of Knowledge and Technology.



OUR PARTNERS

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TECHNOLOGY ADVANTAGE

3. OUR PARTNERS

Technology Advantage Limited is in partnership with some reputable international companies based in the USA with over one billion dollars in capacity and infrastructure to create a world-class network system and solutions for every need.

Our other partners provide various forms of internationally acceptable services.

Some of our partners/OEM are:

- CISCO - Partner / solution provider
- ORACLE - Database, Middleware, Application, Server and Storage, Engineered System and Cloud Solution.
- EMC - Data Protection, Storage and Content Management
- VMWARE - Virtualization Solution
- LIBELLE GmbH, GERMANY - Data Replication Solution
- APC - Power backup solutions and Data center Infrastructure
- HP - Systems and servers
- MICROSOFT - Enterprise solution
- COMMSCOPE - SYSTIMAX Networking Solution
- VIRTUAL CORPORATION INC. USA - Business Continuity Tools and Services/ Disaster Recovery

Some insight into our partners:

1.0. Oracle

We leverage on our partnership with Oracle to provide various Oracle Solutions, this enable us to optimized and fully integrate stack of business hardware and software systems, Oracle is shifting the complexity from IT, moving it out of the enterprise by engineering hardware and software to work together in the cloud and in the data center. By eliminating complexity and simplifying IT, these enables our customers to accelerate innovation and create benefit for our customers.

Our Solutions does not believe in formula design. We build a relationship with our clients, who allow us to develop a customized branding plan. Our Expertise ranges from Database, Middle ware, Application, Server and Storage, Engineered System and Cloud Solution.

Database

Oracle Databases help customers lower IT costs and deliver a higher quality of service by enabling Consolidation onto database clouds and engineered systems like Oracle Exadata and Oracle Database Appliance. Proven to be fast, reliable, secure and easy to manage, Oracle Database 11g is ideally suited for all types of database workloads including enterprise applications, data warehouses, and big data analysis.

Middle Ware

Oracle Fusion Middleware, the application infrastructure foundation available today, consolidates Oracle's leading, standards-based software and tools to provide a comprehensive, service-oriented architecture for the delivery of software applications. It enables enterprises to create and run agile, intelligent business applications while maximizing IT efficiency.

Application

Oracle Applications provide complete choice and a secure path for customers to benefit from the latest technology advances.

Through the Oracle Applications Unlimited program, Oracle has committed to customer choice through continuous investment and innovation in current applications offerings, while Oracle's next-generation Fusion Applications builds upon that commitment to drive better business performance.

Servers and Storage

Oracle's servers are engineered to deliver record-breaking performance, simplified management, high availability, and cost-saving efficiencies. These industry-leading systems include built-in virtualization, cloud management and systems management, and are optimized to run Oracle Solaris, Oracle Linux, Oracle VM, and Oracle Enterprise Manager Ops Center. In addition, these servers support industry-leading software for Oracle and non-Oracle applications and solutions.

Oracle's Sun ZFS Storage Appliances, SAN storage, Tape storage, and Flash storage offer unsurpassed. Capabilities for heterogeneous data centers. These business-ready storage solutions enable enterprises to simplify their IT environments, reduce costs, and rapidly respond to changing business needs.

Engineered System

Oracle innovates at every layer of the stack to design engineered systems that reduce the cost and Complexity of IT infrastructures while increasing productivity and performance. The Oracle Exadata Database Machine, the Exalogic Elastic Cloud, and the SPARC SuperClusterT4-4 are designed to achieve enterprise performance levels that are unmatched in the industry.

2.0. EMC

We partner with EMC to provide the systems, software, and services to build your business data. Our solutions range from Data Protection which includes Smarter Backup for different environment (e.g. Microsoft, Oracle and VMware), Recovery, and Archive, Content Management which transform your business with software and cloud solutions that connect information to work and Storage which efficiently Stores, Protect, and Manages your Information.

various demands ranging from the enterprise content management, security, archiving, storage, and virtualization.

3.0. VMWARE

We partner with VMware in order to enhance the virtualization and cloud infrastructure experience of our customers. This ranges from the Server virtualization, network virtualization, and storage virtualization, in public and private clouds, and in data centers.

VMware Infrastructure allows enterprises and small businesses alike to transform, manage and optimize their IT systems infrastructure through virtualization. VMware Infrastructure delivers comprehensive virtualization, management, resource optimization, application availability and operational automation capabilities in an integrated offering.

VMware Infrastructure is architected from the ground up to enable customers to bring the benefits of virtualization to the entire enterprise platform, including server, storage and networking systems.

VMware Infrastructure not only enables customers to build an entire virtual data center that matches the capabilities available in the physical world, but it goes one step further by offering the flexibility and control that is physically cost-prohibitive or impossible. With a whole suite of complementary virtualization and management services such as virtual VMware VMotion, VMware DRS, VMware HA and VMware Consolidated Backup. VMware Infrastructure is the only offering that delivers a complete solution rather than piece-meal approach for customers to build a data center in a virtual environment. VMware Infrastructure is the only virtualization solution ready for enterprise wide development by corporate IT.

4.0. *IBM*

We leverage on our partnership with IBM to ensure that our customers get world-class solutions at the most cost effective price. Over time, our experts has gathered years of practical hands on experience to provide you with the most appropriate tailor made solutions for your business.

With our unlimited access to IBM'S resources and support, we are capable of providing you the best solutions in:

- Security
- Enterprise Solutions
- Cloud

5.0. *SYSTIMAX SOLUTIONS*

We leverage on our partnership to build on the science of innovation, flagship line of copper and fiber structured cabling solutions to meeting and beating industry standards—oftentimes before they are even written. From design and deployment to management and moves, adds and changes; we deliver the performance, flexibility and reliability that no other solutions can match. With assurance in our strong partnership with Systimax, we offer Application Assurance—which includes design capabilities and performance guarantees to support your migration to higher-speed applications.

6.0. *LIBERT*

As partners with LIBERT, we have taken lead amongst prestigious leaders in the digital landscape dedicated to UPS and Cooling Systems. With several years of experience, we are most reliable in delivering tailor made solutions for your organization. We also leverage on our partnership to ensure the delivery of authentic devices to our customers.

7.0. *APC SYSTEMS*

We leverage on our long-term partnership with APC to get the best and most affordable devices and services, tailor made to suite your business needs. In response to your desired request, our partnership with APC makes us the right choice for the following solutions:

- Power systems
- Cooling systems
- Environmental monitoring
- Racks and accessories
- Power distribution
- Security

8.0. *CISCO*

CISCO is the worldwide leader in networking for the internet. As partners to CISCO, we have unlimited access to resources that can help your business achieve her dreams at minimum cost. We ensure that your business is not left out and therefor have a solution for all types and levels of business.

With CISCO, some of the solutions we are do better are:

- Networking
- Wireless and Mobility
- Security
- Collaboration
- Data Center
- Analytics
- Video
- Internet of Things
- Software



9.0. HP

We take advantage of the partner benefits we have with HP to ensure that we bring the best, intelligent and top-notch service to you. Our pool of experts has over time acquired several years of experience in meeting the needs of different companies globally. **24**

Amongst many, a few of the services are a better at proffering include:

- Laptops
- Desktops
- Printers
- Servers
- Business Solutions
- Accessories

10.0. LENOVO

Lenovo is one of the world's leading personal technology companies, producing innovative P C s a n d mobile internet devices. Now, #286 on fortune 500 list, Lenovo is the world's largest PC vendor and fourth largest smartphone company. As long partners with Lenovo, we are most suitable to providing you with the most suitable services.



25 OUR CLIENTS

TECHNOLOGY ADVANTAGE

Our client cuts across different sectors of the economy. At Technology Advantage Network Limited our priority is to provide for our valued clients access to leading edge technology, which is affordable without compromising on quality.

We have single handedly or in partnership with large foreign organizations execute different projects for various companies and Parastatals within and outside the country.

Some of these clients include:

- Globacom Limited
- Exterran Oil and Gas
- USPF
- Pan Ocean Oil and Gas
- Conoil
- Spectranet
- Pal Pension
- First Central Credit Bureau
- Spar
- Stanbic IBTC Pension Managers Limited
- Stanbic IBTC Bank
- Enterprise Bank Ltd
- Swift Network Limited
- INEC
- NAPEP
- Fed. Min. Of Industry
- Krantz International Ltd
- Oando
- Total Health Trust Limited.

PROJECTS HANDLED

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Various projects we have executed include but not limited to the following:

- Supply and Installation of ICT Equipment tools for Thirty-Six (36) Schools in the North East Zones for Universal Service Provision Fund USPF. USPF Secretariat, Nigeria communication Commission
- Supply and Installation of Cisco Network for Lagos, Ibadan & Abuja Office: Supply of Enterprise Campus WI-Fi Hotspot for Spectranet Ltd.
- ASC Capacity Building Program for Galaxy Backbone Plc
- Design and setup of Data Centre, Core Network and WLAN (700 Users) and training
- Supply and installation of equipment to Globacom (Vixen Enterprises Limited)
- Supply and installation of Equipment (UPS and Stabilizer) for opening of 13 new sites to Information System (Vixen Enterprises Limited)
- Supply and Installation of 30KVA Online Inverter to Conoil
- Design and implementation of Local Area Network for Data and Power, Cell Sites and Towers for Multilink Telecom Company (various branches)
- Integrated Communication Network for Voice, Data and Internet via VSAT for INEC (38 Nodes/POPs) and setup of data center for the project for Independent National Electoral Commission and training. Sub-Contractor to Krantz International Ltd.
- Supply, Installation and Commissioning of VOIP Equipment and CDMA cell site for SOMA voice and data system and training for Matrix Controls limited.
- Integrated Communication Network for Data, Internet, Internet Security and Acceleration (ISA) and training for Pacific Holdings Limited.
- Supply, Installation and commissioning of High-End Servers, Computer Workstations and Local Area Network for Data and Voice for Car search Nigeria Limited.
- Supply and Installation of High-End Servers and Laptop Computers to Oando Plc. Ajose Adeogun Road, Victoria Island, Lagos.
- Installation and Commissioning of Local Area Network for Data and Voice for Pacific Holdings Limited.
- Installation of VSAT Link for National Poverty Eradication Programme. NAPEP (Presidency) and training.
- LAN, WAN/VPN for Vitafoam Nigeria Plc, Oba Akran Avenue.
- Design and setup of Data Center at Conoil Plc

27 CONTACTS

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