KAPSCOM AFRICA LIMITED

Beyond ICT Solutions

COMPANY PROFILE

ABOUT US

KAPSCOM AFRICA was constituted in 2015 in order to provide highest technological solutions and services in the field of Internet Service Provider (ISP), Computer Hardware & Software solutions, and ICT Solutions, Electric, Security and Communications sector for privately owned or governmental leading institutions in TANZANIA.

KAPSCOM AFRICA's service concept depends on Unconditional Customer Satisfaction. Together with its professional staff operating in Dar es salaam headquarters and largest cities of Tanzania, KAPSCOM AFRICA is in full control of all of its installed systems located allover Tanzania, trusting its technical staff that consists of highly expertise engineers and technicians in advanced ICT solutions.

KAPSCOM AFRICA has been the leading counsellor and installer since the commencement of activities in the field of Computer networking, Internet service, Electric, Mechanic, Security and Communications systems in relevance with project design and implementation services; and it provides solutions through applying the latest technological events.
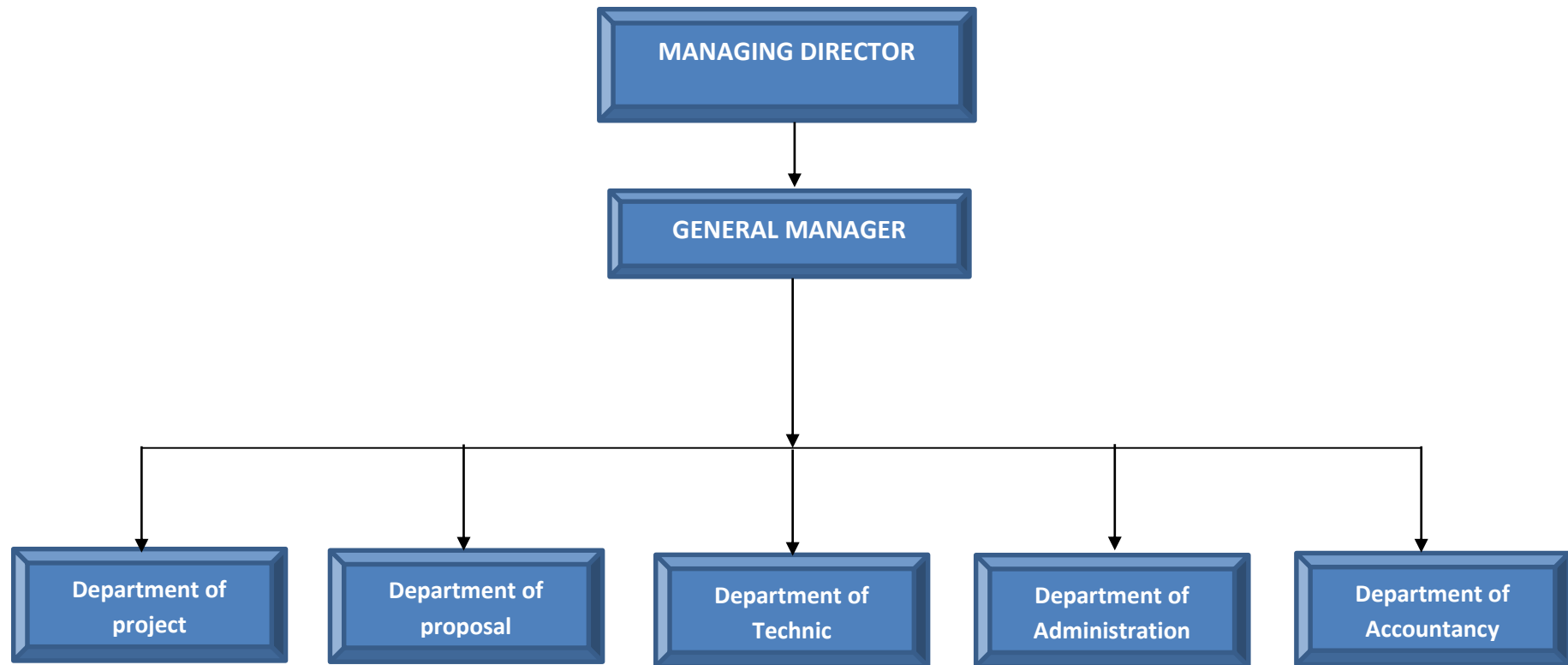
KAPSCOM AFRICA are good in:

- *Internet Service Provider*
- *Consultancy and project preparation services,*
- *Engineering services,*
- *Distribution & supplying and Representation services,*
- *System & product procurement, and installation services,*
- *After sales services: Technical support and maintenance,*

KapsCom AFRICA LTD
Beyond ICT Solutions

KAPSCOM AFRICA ORGANIZATIONAL STRUCTURE

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                    │    MANAGING DIRECTOR     │
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                    │     GENERAL MANAGER      │
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| Department of project | Department of proposal | Department of Technic | Department of Administration | Department of Accountancy |

INTERNET, VOIP AND DATA SOLUTIONS

KAPSCOM AFRICA LTD is a Premium Corporate Connectivity and Internet Solutions Provider in Tanzania with a year's operational experience. It has a large coverage with a huge corporate client base, including banking institutions, ministries, schools, Universities, colleges, international organizations and individuals.

COVERAGE
Our International Connectivity is via multiple Undersea Fiber Optic cable out of the country and we have a last mile connectivity / infrastructure on Fiber Optic, VSAT and Wireless. We are covered 5 regions in Tanzania – Dar es salaam, Mwanza, Arusha, Mbeya and Dodoma.

OTHER SOLUTIONS
DATA SOLUTION – **KAPSCOM AFRICA** network is running using Multiprotocol Label Switching (MPLS) which is a mechanism in high-performance telecommunications networks that directs and carries data from one network node to another. MPLS makes it easy to create "virtual links" between distant nodes. It can encapsulate packets of various network protocols. Layer2 / Layer3 MPLS Virtual Private Network.

IP VOICE SOLUTION - VoIP Hosted PBX Business Class Features:
FREE local calling, FREE Zone calling, FREE intra-office calling, FREE inter-office calling, Nationwide long distance as low as 3 cents a minute and also Conference Bridge Service is available.
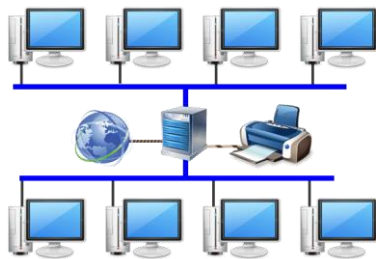
COMPUTER SYSTEM SOLUTIONS

KAPSCOM AFRICA; We understand the role of computers play today. Computer systems are vital for both business and personal needs. We are specialists in providing the most advanced and reliable computer systems, in installing effective software, hardware and in providing ongoing, top-notch service. Our systems, service, and consulting capabilities are key to providing high performance and reliability; thus insuring maximum productivity, profitability, and peace of mind.

After many years of experience in the hardware, software, and computing industries, KAPSCOM AFRICA form the objective of bringing technology to businesses and individuals. The technology should work for the customer, not the other way around. It should promote peace of mind, bring harmony back to the office, and facilitate productivity.

When your whole workplace is operating seamlessly we like to say that you are "Enjoying the Kapscom Africa" in your office. We say this because the Kapscom Africa concept is a system, time tested and proven, which delivers effortless reliability and peace of mind to your home and office.

It is our pleasure to provide you with:

New systems - home PCs, office servers, workstations, and laptops.

Office and network administration (design, setup, repair, migration).

Full service computer repair - home and office.

Security, including anti-virus and firewalls.

Supplying of Computers and peripheral devices

COMPUTER HARDWARE AND SOFTWARE PARTNERSHIP

KapsCom AFRICA LTD
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CLOSED CIRCUIT TV SYSTEMS

KAPSCOM AFRICA designs Closed Circuit TV Systems (CCTV Cameras), which have become an indispensable part of electronic security and automation systems over the last 5 years. Our company designs integrated systems for projects taking into account all the requirements envisaged by the customer. Large and small projects are designed by considering the operating scenarios provided by the customer and the risk analysis carried out by the engineers of our company to provide optimum equipment configuration.

Closed Circuit TV Systems installed for security purposes are normally used to manage the movement of people around the areas to be protected. The videos captured by these cameras are stored either digitally or conventionally. The digitally stored videos can be accessed from a remote location.

FIRE & SMOKE DETECTION SYSTEMS

KAPSCOM AFRICA installs fire alarm systems for homes and businesses using the most advanced and reliable technologies in the market. These systems are designed in such a way that they can be interfaced with other existing security detectors and automation systems of customers depending on their compatibility with the solution. Our company designs fire alarm solutions with facets for integration with other system to satisfy various needs. Several designs options suitable for projects with varying sizes, and compatible with both the operating scenarios provided by the customer and the risk analysis carried out by our engineers are first presented to the customer before the start of the project. Completed projects are delivered as turnkey solutions with an optimum equipment configuration.

Fire alarm systems have detectors that detect the onset of the fire and this makes early intervention possible. Based on the evacuation plans of the protected building, exit points like emergency exits, turnstiles, barriers at parking lots and other road barriers and hydraulic passage control posts are set loose automatically. The power supply for many locations may be offset to prevent the fire from expanding.

FIRE EXTINGUISHING SYSTEMS

KAPSCOM AFRICA installs fire extinguishing systems using technologies and gases permitted by international standards. This system is ideal for protecting precious and delicate rooms Data processing centers where precious equipment and data archives are kept. It is also ideal for protecting chemical materials that may react violently with water. KAPSCOM AFRICA can, upon request, integrate fire extinguishing systems with other electronic detection and automation systems. Our company designs systems of various designs and sizes depending on the requirements of the customer. Operating scenarios provided by the customer and the risk analysis carried out by our engineers is also taken into account during the designing process. The completed project is delivered as a turnkey an optimum equipment configuration.

Fixed detection fire extinguishing systems are available in two categories: electronic (detection) and mechanical (extinguishing). By virtue of the Protocol of Montreal signed in 1987, it is forbidden to use HALON 1301 gas for fire extinguishing purposes. Though the gas is very effective for extinguishing fire, it has very negative effects on the ozone layer. This gas was withdrawn from markets gradually before being banned completely in 1994.

Since then, the gases FM200, FE 13, Argon and CO_2 have been used as means of fire extinguishing. However, in the automatic fire extinguishing systems, each gas used in the total flooding applications has its own merits and demerits. Therefore, it is a good idea to have a good understanding of the requirements in order to make the best choice of gases.

ACCESS CONTROL SYSTEMS

KAPSCOM AFRICA provides Access Control Systems, which constitute an integral part of electronic security systems, with a wide range of products according to the operating scenarios provided by the customer and the risk analysis carried out by our engineers for the fulfilment of multiple purposes. These are put into operation and delivered as a turnkey optimum equipment configuration.

BIOMETRIC HAND & FINGERPRINT IDENTITY SYSTEMS

KAPSCOM AFRICA has included biometric systems in its Access Control configurations four years ago. This provides solutions and makes it possible for the system to be integrated according to the scenarios provided by the customer. The systems are therefore installed based on the risk analysis carried out by our company to provide turnkey solutions with an optimum equipment configuration. Biometric devices, used as stand-alone or integrated systems are designed by making use of the measurable unique physical human characteristics for identity verifications. Biometric solutions that utilize measurable unique human body parts are as follows: Finger Print Identification System, Face Recognition System, Iris Identification System, Retina Identification System, Hand Geometry Identification System and Vein (Fist) Identification System.
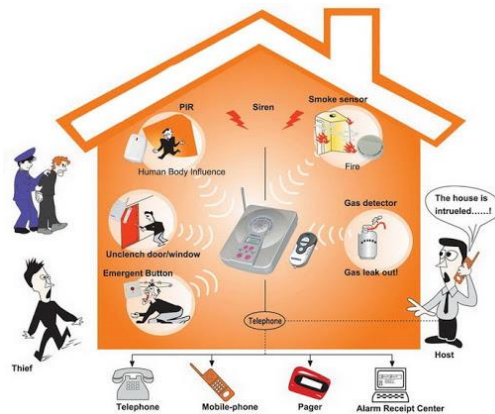
BURGLAR ALARM SYSTEMS

KAPSCOM AFRICA installs reliable and advanced wireless and conventional technologies for the security of homes and offices, integrating them, upon request, with electronic detection and automation systems compatible with the solution.

KAPSCOM AFRICA designs various projects intended to satisfy all sorts of requirements and to be compatible with all sorts of solutions of different scales and designs depending on the operating scenario provided by the customer and the risk analysis carried out by our engineers, and makes turnkey deliveries with an optimum equipment configuration.

INTERCOM & VIDEO INTERCOM SYSTEMS

KAPSCOM AFRICA designs intercom systems with/without video for the entrance security of homes and offices and offers a wide range of products in this field from small home systems to large systems for residential estates such as condominiums according to the operating scenario provided by the customer and the risk analysis carried out by our engineers with an optimum equipment configuration.

Intercom system achievement from analogy to video system

Intercom systems with or without image transmission are installed in the most suitable places to ensure entrance security. They can be used as stand-alone or networked depending on the number of users and of entrances to be managed. Depending on the existing wirings of the building or by the request from the customer analog or digital intercom systems can be installed. Depending on installed configurations, the system permits host-visitor communication or communication between occupants of the same building or communication between a caretaker and visitors. In residential estates and condominiums, the system permits communication between the occupants of apartments and the security staff and visitors. Designs are normally carried out according to the chosen option and the budget of the customer.
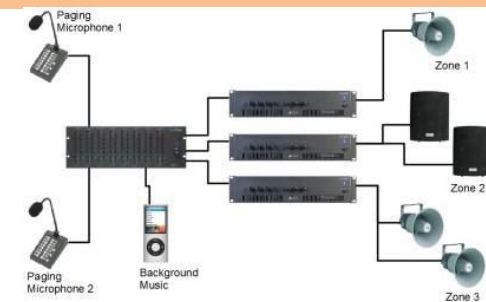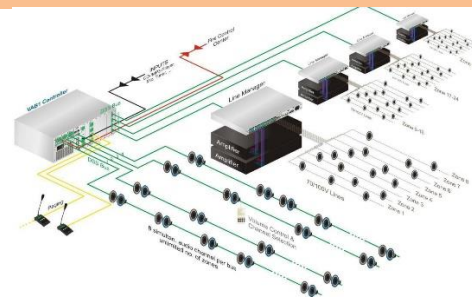
PUBLIC ADDRESS SYSTEMS

A public address or PA system is a combination of a set of audio equipment that allows broadcasts over a designated area. Often found in schools, office buildings, Malls. PA systems can be used for announcements or emergency information and provide a simple way to get information out quickly. PA systems can be basic or advanced, and can be adapted to fit a variety of needs.

Basic PA systems are comprised of loudspeakers placed in convenient locations around the broadcasting area, an amplifier to increase the sound, and a mixer, which allows variation in sound levels. The user speaks into a microphone, and the sound is transmitted through connected cables to the area surrounding the speakers. Some systems also include microphones or intercoms near the speaker locations, allowing the listener to reply to the central location, although not to the entire system.

Traditional PA/Tannoy
(typical system components)

Music / Radio Tuner
Mixer / Pre-Amp
Alarm / BMS Systems
Microphone/s
Telephone Interface
Amplifier/s
Loud Speakers

Paging Microphone 1
Zone 1
Zone 2
Paging Microphone 2
Background Music
Zone 3

DATA & VOICE SYSTEMS

KAPSCOM AFRICA, has made it amongst the leading project companies of our country regarding network with the important projects it completed with its expert staff on LAN (Local Area Network), WAN (Wide Area Network), and complex networks.

KAPSCOM AFRICA's service understanding is based on ensuring the continuance of data flow by means of designing complete solutions on the basis of customer requirements, developing efficient solution mechanisms against possible problems, and by showing zero tolerance against any problems that may occur in data flow. Accordingly, at the beginning of every project, KAPSCOM AFRICA's engineers having network setup expertise carry out detailed investigation operations, determine exactly the requests and requirements of the customer, meticulously monitor the implementation of the project, and deliver keyin-hand the network setup by taking into consideration the most current world standards. KAPSCOM AFRICA's main objectives in its project implementations beside maximum customer satisfaction is to provide continuous and efficient data management.

KAPSCOM AFRICA which provides investigation, project design, planning, and consultancy services concerning network setup, remote access connections (WAN), RF-ID, and security technologies such as Ethernet, Fast Ethernet, Gigabit, Fiber Optic, and Wireless implements the application-training and consultancy services in the projects it undertakes in wholeness, and due to its expert personnel in this area, it aims to provide service as the only firm for all your network solution needs. Many of the projects completed by KAPSCOM AFRICA run without any problems in many public and private institutes countrywide.

TV SATELLITE SYSTEMS

Satellite television is television programming delivered by the means of communications satellite and received by an outdoor antenna, usually a parabolic mirror generally referred to as a satellite dish, and as far as household usage is concerned, a satellite receiver either in the form of an external set-top box or a satellite tuner module built into a TV set. Satellite TV tuners are also available as a card or a USB stick to be attached to a personal computer. In many areas of the world satellite television provides a wide range of channels and services, often to areas that are not serviced by terrestrial or cable providers.

Direct-broadcast satellite television comes to the general public in two distinct flavors - analog and digital. This necessitates either having an analog satellite receiver or a digital satellite receiver. Analog satellite television is being replaced by digital satellite television and the latter is becoming available in a better quality known as high-definition television.

OUTDOOR PERIMETER INTRUSION DETECTION SYSTEMS

KAPSCOM AFRICA designs outdoor Perimeter Intrusion Detection Systems, the outer ring of an electronic security system, according to the operating scenario provided by the customer and the risk analysis carried out by the engineers of our company in order to deliver turnkey solutions. The systems for the perimeter intrusion detection systems, that part of the protected premises which is most exposed to the outside (gardens, walls, fences etc.), ensure security all along the line surrounding the premises. It is integrated with the system of other electronic security systems and ensures the monitoring and recording of a threat. The cameras automatically turn towards the site of the intrusion. The system archives the images and other data and alarms for eventual retrospective investigations separately for each operator.

At the stage of design of a perimeter intrusion detection system, we take into account the physical, topographical and structural properties of the area to be protected to choose one or several of the following solutions:

• **Linear perimeter protection with double or four beams by means of external type active IR barrier sensors**

• **Protection of open areas by means of external type passive IR sensors**

• **Protection of large and open areas by means of microwave fence sensors**

• **Over-the-fence sensor system with Intrepid micro-point cable**

• **Volumetric sensor system with Intrepid micro-track cable**

• **Over-the-fence sensor system with microphone cable**

• **Over-the-fence sensor system with fiber optic cable**

• **Area protection system with electromagnetic cable**

• **Area protection system with electrostatic sensors**

CAR PLATE RECOGNITION SYSTEMS

The Car Plate Recognition Systems consists of an image processing technology used to identify motor vehicles by their registration plates. It can be used for a number of purposes some of which are explained below:

Identification of stolen vehicles: An updated list of stolen motor vehicles issued by the security forces is loaded in the database of the GPRS and cameras installed on roads take photos of registration plates. Then, the images are compared with the content of the database and the results are notified to security forces in real time to allow them to catch the offenders. The system is able to identify motor vehicles going at 160 km/h in 30 milliseconds by means of cameras and to rapidly consult the database and to determine the speed of the motor vehicle in question, to identify international registration plates and to archive motor vehicles by their original colors. The system works under all weather conditions day and night.

Parking lot surveillance: This technology permits to load registration plates of motor vehicles authorized to enter the parking lot of the building in the database of the GPRS, which controls the gates, the automatic barriers, the bollards and road blockers in accordance with these data. The system transfers all information regarding the surveillance of the parking lot on a monitor and issues reports containing all of the statistical information on the motor vehicles. This system can be used in free parking lots available only to authorized people as well as in parking lots with a charge with a subscription system.

Control of motor vehicles at borders: Car plates and passport details of people crossing the border are registered in the database of the GPRS to ensure the control of crossings as well as the circulation of motor vehicles within the country. The system covers all of the border gates of the country and checks all border crossings. Eventual passages of criminals (terrorism, smuggling etc.) are monitored by means of the database of the security forces.
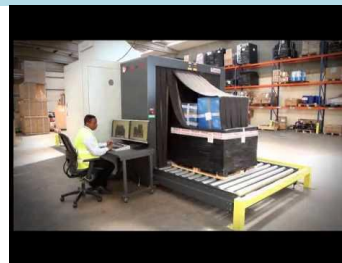
X-RAY SECURITY SCREENING SYSTEMS

These are used at entrances of buildings for the passage control of parcels, luggage, bags and other similar objects to detect any weapons or explosives and to ensure the required security level for the building. The dimensions of the tunnel may vary between 82 cm x 65 cm and 80 cm x 100 cm depending on the intensity of the passage of luggage of the building. Thanks to the two-dimension detection system, all of the objects passing through the tunnel can be checked without any loss of image on the edges. They are able to see through 29-mm-thick steel.

The main property of the X-ray security screening systems is their capability of distinguishing colors and of isolating images by using organic/inorganic double monitors to make the distinction between organic and inorganic matters with four colors to detect organic-based explosives. These detectors give a sound alarm upon detection of a suspicious piece of luggage and record the passages exhibiting a high alarm level in a digital recording device by means of a camera and transmit the data into a database.

AIR CONDITIONERS SOLUTIONS

KAPSCOM AFRICA are experienced in the installation and servicing of all types of commercial HVAC equipment, including:
Rooftop/ Ceiling Units; Split Systems; Boilers; Chillers; VAV Systems; Temp Control Systems; Exhaust and supply fans; Make-up Air Units; Clean Rooms and Air Curtains

AIR DUCT INSPECTION

Ducts are sources of airflow, which deliver and remove air from you home and help keep residents comfortable. If the ducts were not properly installed or maintained, they will likely become dirty and eventually need to be serviced or replaced. It is difficult to see for yourself if mold/dust exists or if there has been an infestation of pests, which is why KapsCom Africa offers duct inspections. Poorly cleaned ducts can lead to indoor air quality issues and other health concerns that come with it. Another issue with ducts is inefficiency through holes or other obstructions. This can cause your fan's motor to run 24/7 trying to keep up and overheat, causing issues that require repairs on your HVAC system. By having KapsCom Africa look over and solve your issues, it could lower your monthly bill by a decent margin, depending on the issue. If you are concerned about your ducts leaking or needing to be cleaned, ask our HVAC experts for advice.

ELECTRIC FENCE SOLUTIONS

Will an electric fence keep people or animal out?
Electric fences are a safe and effective deterrent for humans, wildlife, and intruders. They make perimeter security much more secure and simpler to maintain. An electric fence is a system of wires and equipment capable of delivering an electrical shock when touched by humans or animals.

What happens if a person or animal touches an electric fence?
For the most part, touching a properly-installed electric fence can lead to a harmless shock as the electricity passes through the system via a series of pulses, allowing the person or animal to disengage immediately.

How powerful are electric fences?
Electric fence energisers put out high voltage (around 8,000 volts), but very low amperage or current (around 120 milliamps). This is 120-thousands of an amp. It should not even kill a squirrel.

CUSTOMERS REFERENCE

TUICO TANZANIA	Internet service
MAENDELEO BANK	Internet service
DEFLO ENTERPRISES	Installation of CCTV, Video conferencing system, Fire Detection and Access Control
AMC TANZANIA	Internet service
MEDIA COUNCIL TANZANIA	Supplying and Installation of CCTV and Access Control, Kaspersky Ant-virus
HEALTH PROMOTION TANZANIA	Installation of CCTV, Fire Detection and Air conditioners
YOUNG LIFE TANZANIA	Internet service
CIP TANZANIA	Installation of CCTV, Video conferencing system, Fire Detection and Access Control
BANC ABC	Internet service
AVATECH LTD	Installation of CCTV, Fire Detection and Access Control
TUMAINI UNIVERSITY	Installation of CCTV Cameras
WOMEN FUND TANZANIA TRUST	Installation of CCTV, Fire Detection and Fire detection system
DAR COMMUNITY BANK	Internet service
EMBASSY OF INDONESIA	Supplying and installation of Cisco switches

KapsCom AFRICA LTD
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CONTACTS

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