SAFE CITY, SAFE BOARDER



PROJECT

PROPOSAL FOR MODERNIZING OF NIGERIAN INTERNAL SECURITY AND PROVISION OF NIGERIAN SECURITY DATA MANAGEMENT INFORMATION SYSTEM (NSDMA)

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BRIEF COMPANY PROFILE

HajaraIhsan Nig. Ltd was incorporated with Corporate Affairs Commission under the companies and allied matters Act 1990.HajaraIhsan Nig. Ltd was registered as a limited liability company in September, 2008 under 1990 companies and allied matters Act of Nigeria. This has empowered us to venture into any legal component of our socio-economic sectors. The company's principal offices are located in Kano. HajaraIhsan Nig Ltd and HajaraIhsan KFZ are a group of companies also registered as a limited liability under 1990 companies and Allied Matters Act of Nigeria We are constantly researching, developing and providing solutions to the needs of our esteem customers. We have the good R&D Department that improves business methods through innovative, adaptable, affordable, simplified and reliable automated solutions, particularly in the area of Surveillance Security System especially f orest and metro monitoring systems. We have the criminal database software systems which can communicate with installed cameras and identified criminal or vehicle, Communication and Renewal Energy, Security Communication systems, Information and Communications technology (ICT). A few of the projects we successfully executed include but not limited to: -



*Digitalizing of Police communication systems
*Provision of Advanced Police Control Room
*Provision of Advanced DSS Control Room
*Provision of Police Digital Criminal Research Centre and
*Installation of CCTV Camera in Kano metropolitan and Kano Forest
* Enugu Safe City Project
* Katsina State Border/Forest Surveillance System

Hence, we are duly licensed by the Nigerian Communications Commission (NCC). As such, this company has been patriotically, consistently and irrevocably adding value to various products and services for both the public and private sectors in Nigeria, significantly in the fields of Telecommunication, wireless internet/intranet connectivity, automated security and Surveillance systems Closed circuit television (CCTV), Radio Frequency Identification s ecurity systems (RFID), etc.), data systems, e-health, e-commerce and e-learning services. Our company benefits immensely from advises and supports of experts around the world towards aligning our operations with world best practice. Below is the list of our key technical partners:

- Radiant Automation Equipment Co. Ltd.
- Hytera Communication
- Kydera
- Hikvision



Vision:

To become a leading and a reliable global energy, security and Telecommunication Company that provide end-to-end solution to our customers in all aspects of human endeavours towards maximizing both the social and nominal benefits projections of all concerned.

Mission:

Our mission is to provide an effective, efficient systems of renewal energy, electronics manufacturing security base surveillance system CCTV, VHF/UHF radio systems, high-speed broadband internet connectivity, IP television & voice over internet protocol (VOIP) by constantly harnessing available technological innovations to the satisfaction of all stakeholders.

EXECUTIVE SUMMARY

Modernization of Nigerian Internal Security and Provision of Nigerian Security Data Management Information Systems (NSDMA) project aims at modernizing Nigeria security systems and provides them with cutting edge surveillance and communication equipment and much more that can strengthen them to compete with any security systems in the world. We have designed this project to sustain itself, financially, technologically and given the rugged training so that can be reliable at all the time. The project is two-fold: *Safe City Project and Safe Border Project.*

The Safe City Project aims at improving the working of security agencies in the Nation more especially the Police, DSS and Road safety through digitizing their activities with modern facilities such as the e-policing, communication, advance video surveillance system cameras and the installation of the intelligence traffic systems that will all run and be monitored via the Intelligent Command & Control Center (ICCC). Each State in the Nation will have command and control center and will be connected to the central command and control center in Abuja this central command for both Police, DSS, immigration and Road Safety will have access to monitor and communicate with all their personnel in the Nation and give them for easy action at all the time.





The Safe border Project this will modernize our Immigration and Custom with advanced equipment/ gadgets for surveillance and communication and much more. The Nigerian borders are crucial to ensure the safety of its citizens and prevent illegal activities such as smuggling, human trafficking and terrorism. One way to enhance the security of Nigerian borders is by using camera technology. This proposal aims to outline a plan for implementing a camera-based security system at the Nigerian borders. The primary objective of this proposal is to increase the security of Nigerian borders by utilizing camera technology to monitor and detect any suspicious activities.

Additionally, all our airports will be equipped with advance facial recognition cameras and our Sea Ports will also be equipped with same things. This will give them chance to monitor all the criminal activities and suspicious movements in and out of the country and enable for rapid response whenever the need arises.

The aim of provision the Nigerian Security Data Management Information (NSDMA) is to manage all Nigerian data at one place which will give the security agencies easy access to checkmate everything at their fingertip like CCTV cameras traffic systems boarder surveillance management information systems, health management information systems. This system will give you cutting edge information of our citizen, for example if you are looking somebody and you upload his face or his phone number, NIN, BVN the computer will automatically search and bring all his information like when travelling, when went to hotels, bank, hospital and when last he drive a car and much more.



Why the Nigerian security equipment may not be working as effectively as it supposed to? Here are some possible reasons:

- Lack of maintenance: Security equipment needs to be regularly maintained to ensure that it is functioning properly. If equipment is not properly maintained, it may break down or malfunction when it is needed most.
- Lack of training: Security equipment is only effective if the people using it know how to use it properly. If security personnel have not received proper training on how to use the equipment, they may not be able to use it effectively.
- Poor quality equipment: Some security equipment may not be of good quality and may be prone to breakdowns or malfunctions. In some cases, equipment may have been purchased at a lower cost without adequate testing, verification, or standard certification, which can lead to poor performance.
- Lack power: This serves as a major obstacle which hinders the proposer functions of security equipment.
- Lack proper network connectivity: Proper network connectivity is crucial to the functionality of modern equipment more especially the modern security gadgets hence the need to provide standard network facility.
- Lack of funding: Adequate funding is necessary for the procurement and maintenance of security equipment. In some cases, there may not be enough funding available to purchase or maintain high-quality equipment, which can result in the use of substandard equipment or equipment that is not fit for the purpose. Underpinning



Overall, a combination of these factors, including lack of maintenance, training, and funding, corruption, and improper use, may contribute to the ineffectiveness of Nigerian security equipment. Addressing these issues will be a key to improving the effectiveness of security equipment in Nigeria.

Hajaraihsan has a well-designed approach on how to overcome all these issues mentioned above. The Kano State Governor Dr. Abdullahi Ganduje awarded pilot scheme project on 2018 to provide police and DSS control room in the State as well as securing the Falgore forest since we implement those projects which is still working 24/7 without any problems and all the security agencies are fully familiar with systems in which they can maintain and repair by them self.

Based on these achievements we have designed this project of Modernizing Nigerian Internal Security and Provision of Nigerian Security Data Management Information Systems (NSDMA) to sustain itself. The cameras have the capacity to check all traffic violation which will opportune the Government to generate substantial revenue and the State will come out with sharing formular and at the same time give the security agencies cost of maintenance for sustainability of their activities.

The project is expected to create an integrated security system that works to exploit modern and sophisticated technologies and artificial intelligence features to prevent crime, reduce traffic accident related deaths, and prevent any negative incidents in residential, commercial and vital areas and to be able to respond immediately to incidences even before they get reported to the Police and control center. The project is an effective translation of the Abuja strategy for AI to achieve its objectives of relying on services, data analysis and smart application in various fields of work efficiently and effectively.

Piloting the project in Kano seems feasible as one of the cities with large population and thus high demand for security services. The project will be manned and managed by a team of experts with diverse technical experience specialized in the advance security technology systems and operations. This is critical to successful implementation of the project as technical knowledge and skills of the team members would be integrated in order to achieve desired results.





CENTRAL INTELLIGENT COMMAND AND CONTROL ROOM

The Central Intelligence Command and Control Center (CICCC) will be sited in Abuja; where personnel from various security agencies will be fully equipped with modern facilities to manage and coordinate operations, communication and resources in real-time.

This center will consist of all the security agencies like Police, DSS, Immigrations, Customs and Road safety. The main purpose is to share the knowledge and take a prompt action. While the police will take care of Safe city to monitor all the State in the federation and they have access to surveillance systems of each State as well as intercept all the communication in the Nation. This idea will give the President of the Federal Republic of Nigeria, Inspector General of Police, the Director General of State Security Service and the rest to know the State position in real time.

The Immigration and Customs will monitor all the surveillance systems in the boarders, Airport and sea ports from the center and also monitor designated boarder control rooms. The Road Safety and Police will also monitor the high ways and traffic offences. DSS will have the capacity to monitor everything from the safe city, boarder, Airport facial recognitions systems, sea port and high ways in the country .





The operators will be supervised by using our specialized software and hardware tools to monitor data, communicate with personnel in the State and in the field, and make critical decisions based on real-time information. The center may also be designed with Solar power systems, redundant communication links, and other Safe-Guards to ensure continuity of operations in case of emergencies. The ultimate goal of a command and control center is to ensure prompt detection of all happenings, effective decision-making and communication, optimize resource allocation, and improve overall security operational efficiency.

On the aspect of building design we make an international building design of **x** shape with four wings on ground floor and first floor.

A Central Intelligent Command and Control Room will be constructed and equipped with advance modern gadget. All the surveillance and communication information can be view at central command and control center in Abuja as well as president office and other relevant personnel will have ability to stream the video, communicate with center from anywhere in the world. We will also provide office of the President, and other relevant personnel with gadgets that can communicate and monitor the city, Boarder, Airport as well as the personnel that are working in the center from anywhere in the world.

The command and control center will be equipped with attendance room to be provided with all necessary equipment that can take pictures and biometric of all personnel working in the command center and cantonment access to the facilities this will give the high authorities to track every movement in the center and cantonment and any visitor can only be granted access from the head office of the Police Headquarter, Department of the State Security Service (DSS), immigration Headquarter etc.If not cannot have access to the center and if any staff give him access to the center or other facilities can be track from the various head offices.

We will provide the internet connection of STM-4 620mbps bandwidths connection this will give office of the President, DG DSS, and other relevant personnel to monitor, communicate, surveillances from anywhere in the world.

We will equip the Boarder control room of each boarder with cutting edge facilities especially communication and surveillances systems, 15 pieces of bed for the security personnel to rest if they are not on duty and the cafeteria attached to the building. This will give them chance for having relaxation period, eat and we will provide all the necessary equipment for the exercise and all the doors will be equipped with facial recognitions.

One of the main advantages of Command & Control Centres is the ability to bring many different disciplines together and establish connection between them. That way, operators can control all from different sources at the same time. Without these centres, every discipline would need a different source to try and communicate with each other, and that would often end up in vain. That would cost a significant loss structurally and financially. I'm not even mentioning the invaluable time being lost.





SAFE CITY PROJECT

The Safe City Project is all about improving the working of security agencies in the Nation more especially the Police, DSS and Road safety through digitizing their activities with modern facilities such as the e-policing, communication, advance video surveillance system cameras and the installation of the intelligence traffic systems that will all run and be monitored via the Intelligent Command & Control Center (ICCC). Each State in the Nation will have command and control center and will be connected to the central command and control center to be sited in Abuja. The Abuja central command and control will serve as the central coordinating centre through which all activities and operation of State command and control centre will be monitored and controlled. All Police, DSS, immigration and Road Safety will have access to monitor and communicate with all their personnel across the Nation and reports will be generated there from. This allows them easy and seamless action all the times.

HajaraIhsan Nig. Ltd takes into cognisance the current international trends where major cities and other public places are fully provided with CCTV cameras for proper monitoring and safeguarding the public and their properties and in view of this we propose for this project " SAFE CITY PROJECT" for our country to be on the same page with developed countries.



Our state-of-the-art camera system is capable of detecting vehicles with expired registration and insurance terms and can also check vehicles involved in any criminal activity or traffic violation. we will provide a rugged software to API that will synchronise with NIN and BVN to easily identify person who violates the traffic or has expired license or plate number and the software will automatically notify the vehicle owners to renew their vehicle registrations on time to avoid the risk of them being fined; these will boost the revenue generation of the country and contribute its quarters on diversification of the country's economy.

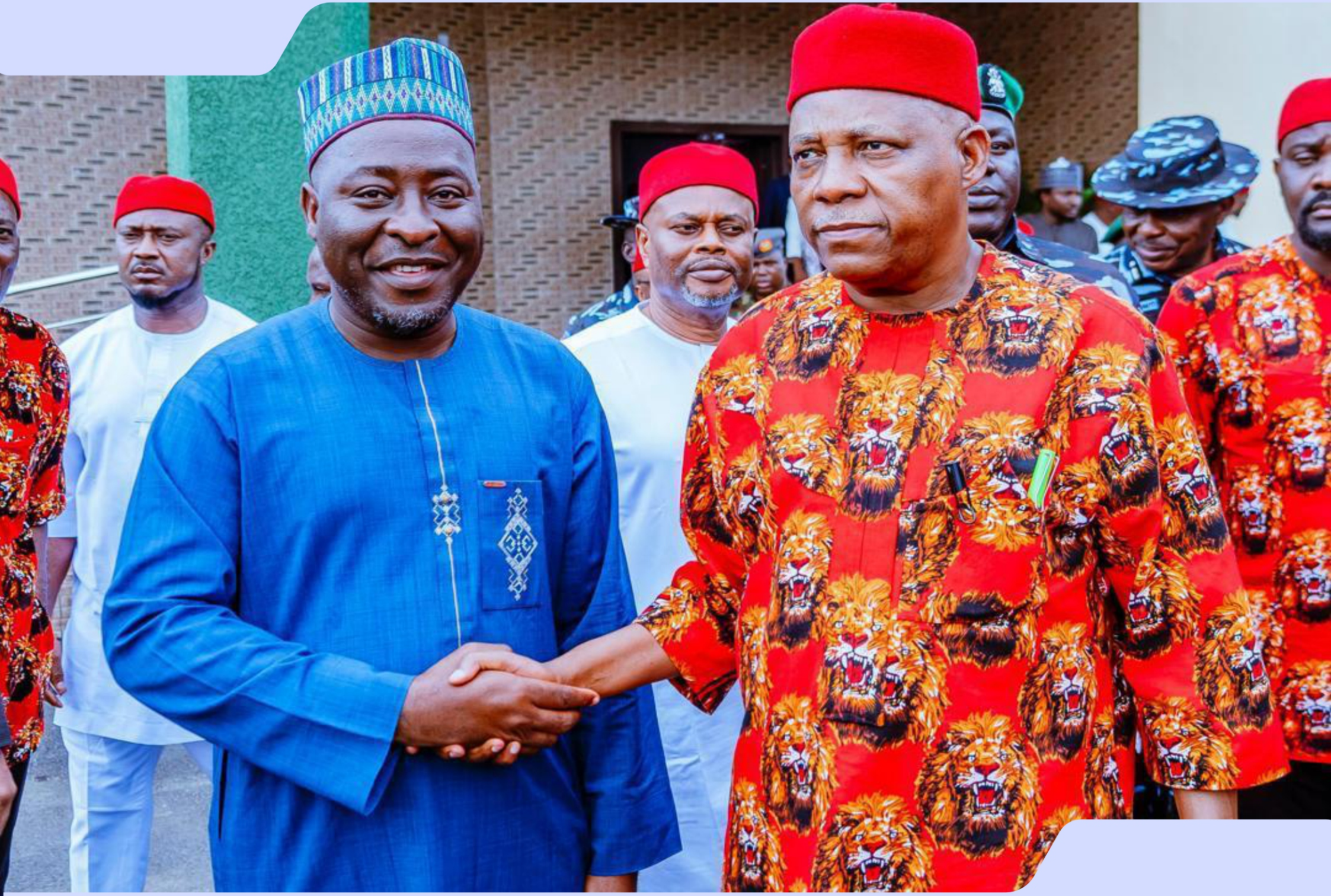













COMMAND AND CONTROL CENTRE
POLICE




NIGERIA POLICE




HIKVISION
tion with Hikvision–Scenarios with AIoT Solutions
Urban Governance
CCTV/ITS/Mobile/HCM-Lite
Enriched Video Intelligent Applications
Central operation brings efficiency
Lead to a reduction in accidents
Improve traffic violations
Airport
Integrated security
Perimeter detection
Panoramic Monitoring
Data Center
Platform/LED/AR/Dashboard
Mega Control with AIoT Platform
Dashboard with AR Visualization
Open platform with third party
HD & Flexible LED display
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ARCHITECTURAL DESIGN OF COMMAND AND CONTROL ABUJA

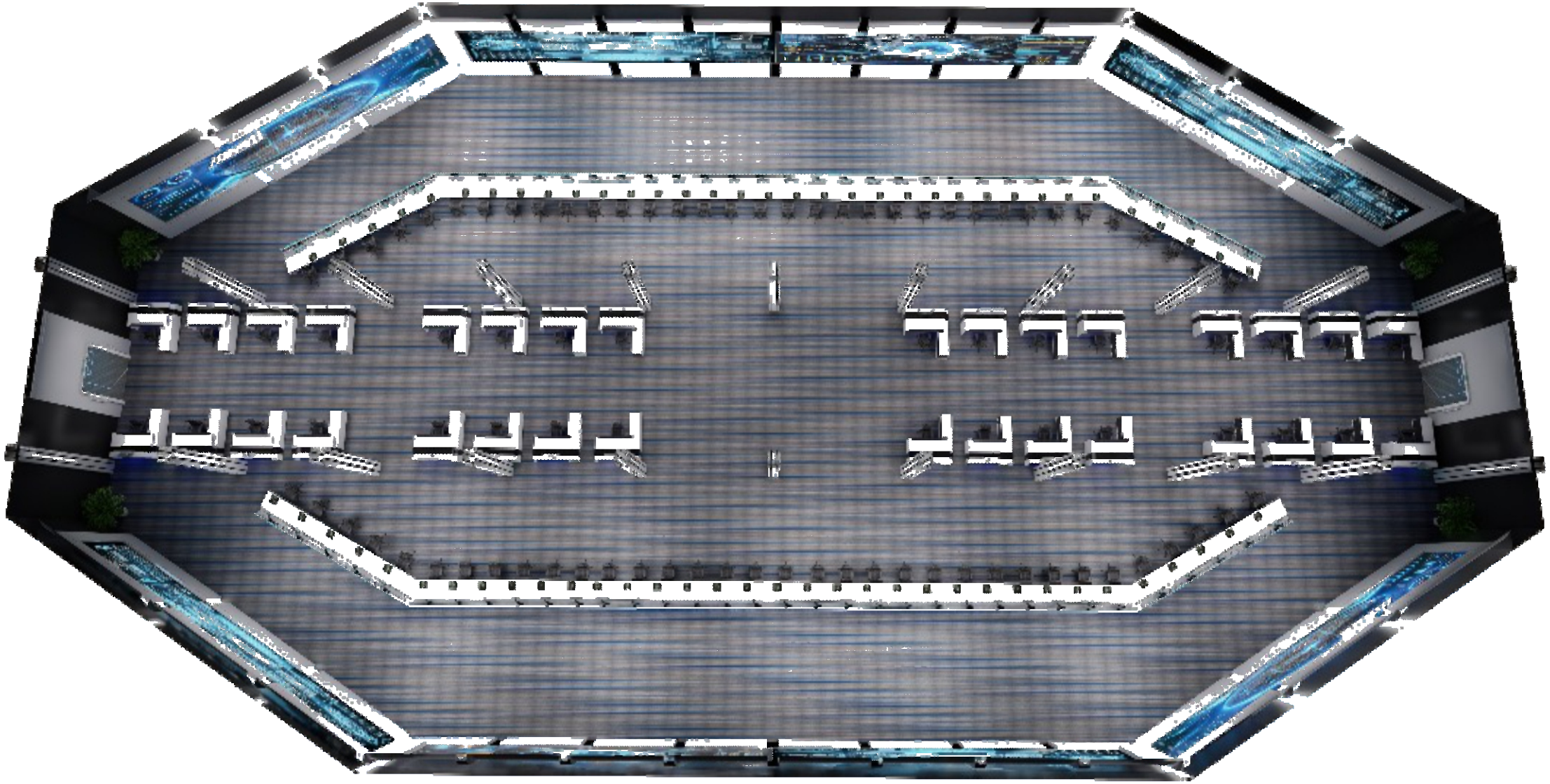


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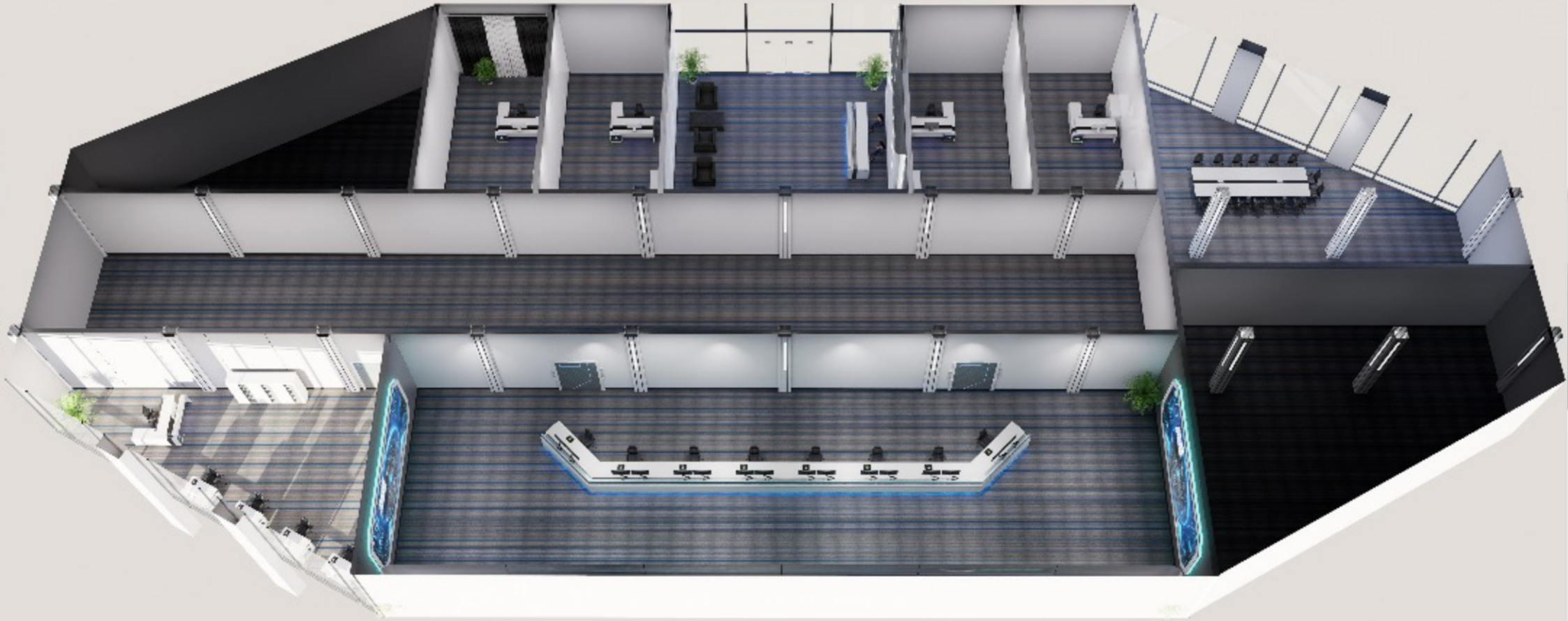


ARCHITECTURAL DESIGN OF COMMAND AND CONTROL ABUJA





ARCHITECTURAL DESIGN OF
COMMAND AND CONTROL
ABUJA



Our system is designed for criminal surveillance with face identification systems and roads monitor and record vehicle road violations and issue penalties against vehicles with expired registrations can also be revenue generating component as the installed cameras can identify persons and vehicles with plate number or without plate number. Our systems will help Police and other security forces keep an eye on the public to enhance security services and prevent crimes.

We will design our datacenter with rugged high-performance computer in the world today Nvidia DGX and capable of 5 petaflops of AI performance into a 6U form factor, replacing legacy infrastructure silos with one platform for every AI workload. NVIDIA DGX A100 is the universal system for AI infrastructure, integrating eight A100 GPUs with 320GB or 640GB of GPU memory, the system provides unprecedented acceleration, is built on NVIDIA Base Command software, and includes NVIDIA AI Enterprise for a fully optimized NVIDIA DGX A100 features NVIDIA ConnectX - 7 InfiniBand/Ethernet network adapters with 500 gigabytes per second (GB/s) of peak bidirectional bandwidth. DGX A100 is a foundational building block for NVIDIA DGX SuperPOD, the enterprise blueprint for scalable AI infrastructure. 8x NVIDIA A100 GPUs with up to 640GB total GPU memory 12 NVIDIA NVLinks® per GPU, 600GB/s of GPU-to-GPU bidirectional bandwidth 6x NVIDIA NVSwitches 4.8TB/s of bidirectional bandwidth, 2X more than previous-generation NVSwitch 10x NVIDIA ConnectX-7 200Gb/s network interface 500GB/s of peak bidirectional bandwidth Dual 64-CORE AMD CPUs and 2TB system memory 3.2X more cores to power the most intensive AI jobs 30TB Gen4 NVMe SSD 50GB/s of peak bandwidth, 2X faster than Gen3 NVMe SSDs this datacenter will store all our video recording as well as analyzing all the video for face detection ANPR and much more.



Criminal Databases

We would provide a criminal database and host on our data center I which will record and upload the picture and the information of the criminal in the database. Our cameras have the capacity to identify criminal or any vehicle that commit crime with it.

A criminal database is a collection of data and information related to individuals who have been involved in criminal activities or have been convicted of a crime. The database will be typically maintained by law enforcement agencies and can include a variety of information such as personal details, criminal history, fingerprints, and other biometric data.

Criminal databases are an important tool for law enforcement agencies to keep track of known criminals and to aid in the investigation and prosecution of crimes. The data stored in criminal databases can be used to identify suspects, link criminal activities to a particular individual, and provide evidence for criminal trials.

E-Court

With our dedicated datacenter we will provide an e-court, also known as an electronic court, is a system that uses technology to enable court proceedings for the traffic offences to be conducted online or through digital means. This will easy the proceeding and fast track all the systems.



Our E-courts are designed to enhance the efficiency and transparency of the justice system by allowing traffic offences court cases to be filed, processed, and heard online. The system typically includes electronic filing of court documents, online scheduling of hearings, virtual hearings via video conferencing, and digital access to court records.

E-courts have many advantages over traditional court systems, including faster processing of cases, reduced paperwork, and improved accessibility for litigants and lawyers. E-courts also have the potential to reduce costs associated with physical court infrastructure and improve the overall quality of justice by making it more accessible and efficient.

Android and ISO APP

We will provide and APP for mobile phone to all our registered vehicle owners in which they can interact with the security agencies and report any car theft, traffic violation, E-court hearing as well as vehicle transfer of ownership if a particular vehicle is sold or dash out.

I. *High quality Imaging Camera*: This camera equipped with High quality imaging with 9 MP resolution excellent low-light performances, Efficient H.265 compression technology 3D DNR technology delivers clean and sharp images. The camera is designed for:

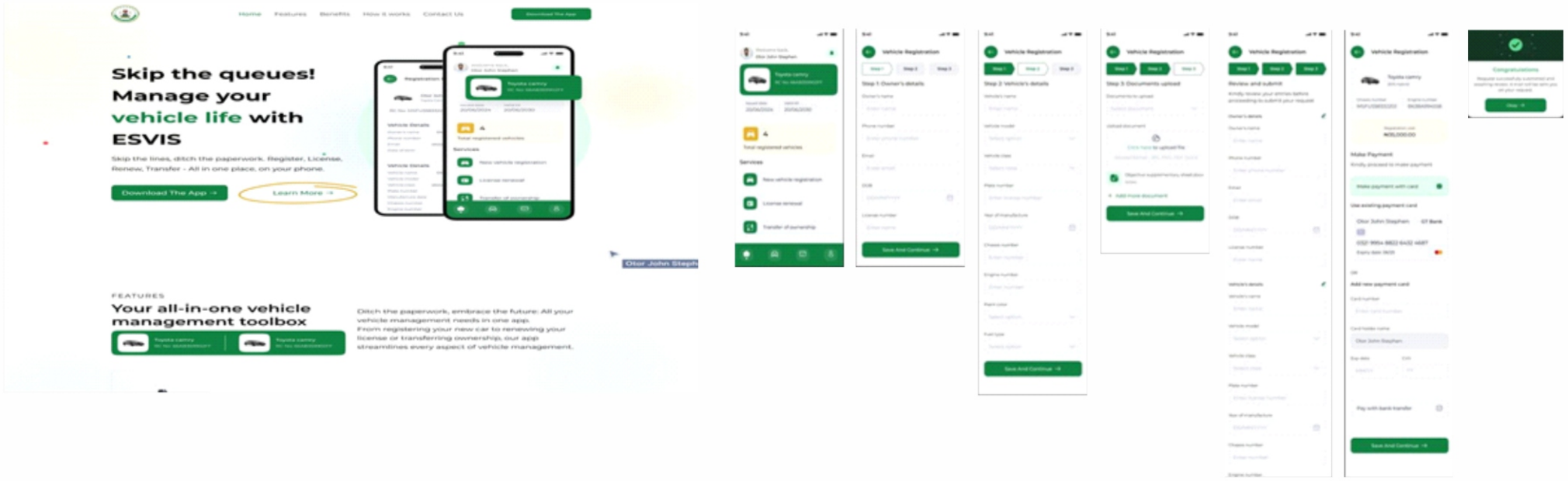
a. License plate recognition (LPR),
b. Vehicle feature recognition,
c. Vehicle type, color and manufacturer,
d. License plate color recognition,
e. No-plate vehicle capture Violation behaviour detection
f. Driving on lane line,
g. Illegal lane change,
h. Wrong-way driving detection,
I. No seatbelt and phone call on-drive detection.

With our AI technology the camera can detect and send all the information to the server and the server can generate fine and send to the person Email or via SMS. If there is any violation the software has the capability to deduct all fines from the violator account following e-court ruling and judgment and import to server automatically. This camera is committed to serving various industries through its cutting-edge technologies of machine perception, artificial intelligence, and big data, leading the future of AIoT:



ITS Camera

Our smart traffic refers to the use of advanced technologies, data analytics, and intelligent systems to optimize traffic flow, reduce congestion, improve safety, and enhance the overall efficiency of transportation networks. These solutions are often part of smart city initiatives and leverage IoT (Internet of Things), AI (Artificial Intelligence), big data, and cloud computing to create a more connected and responsive traffic management system. We have decade hosted software that manage the traffic offence as well as Automatic payment, we provide world class android app for people to manage the vehicle all the payment like renewal license and traffic offence



Here are some key components and technologies commonly used in smart traffic solutions:

1. Intelligent Traffic Management Systems (ITMS):
    * Real-time traffic monitoring using sensors and cameras.
    * Adaptive traffic signal control that adjusts signal timings based on current traffic conditions.
    * Predictive analytics to anticipate traffic congestion and implement preemptive measures.

2. Connected Vehicles:
    * Vehicle-to-Everything (V2X) communication allows vehicles to communicate with each other and with traffic infrastructure.
    * Advanced Driver-Assistance Systems (ADAS) that provide real-time information and alerts to drivers.
3. Public Transportation Optimization:
    * Real-time tracking and scheduling of public transport vehicles.
    * Integrated ticketing and payment systems.
    * Demand-responsive transport services that adapt to passenger needs.
4. Traffic Data Analytics:
    * Collection and analysis of traffic data from various sources, including GPS, mobile devices, and social media.
    * Use of machine learning algorithms to identify patterns and predict traffic trends.
5. Smart Parking Solutions:
    * Sensors and apps that guide drivers to available parking spaces.
    * Dynamic pricing models to manage parking demand.
6. Pedestrian and Cyclist Safety:
    * Smart crosswalks and traffic signals that prioritize pedestrian and cyclist safety.
    * Integration of non-motorized transport data into traffic management systems.
7. Emergency Vehicle Preemption:
    * Systems that give priority to emergency vehicles by altering traffic signals to clear their path
8. Environmental Impact Reduction:
    * Traffic flow optimization to reduce idling and emissions.
    * Encouragement of eco-friendly transport modes through incentives and infrastructure

9. Public Engagement and Information Systems:
    * Mobile apps and digital signage that provide real-time traffic information to the public.
    * Platforms for reporting and addressing traffic-related issues.
10. Cybersecurity Measures:
    * Protection of traffic management systems from cyber threats to ensure reliability and safety.

Implementing a smart traffic solution requires collaboration between government agencies, technology providers, urban planners, and the community. The goal is to create a seamless, efficient, and sustainable transportation ecosystem that can adapt to the changing needs of urban populations.



Tandem Vu 8-inch Panoramic 4MP 42X Dark Fighter Network Speed Dome It captures a large area and great details at the same time High quality imaging with 4 MP resolution for both bullet channel and PTZ channel 24/7 colorful imaging and excellent low-light performance with DarkFighter technology Bullet channel tilt adjustable from 7° to 17° Secures an expansive area with 42 × optical zoom and 16 × digital zoom Expansive night view with up to 30 m white light distance and 300 m IR distance Supports deep learning functions Water and dust resistant.

270° Panoramic & PTZ Camera High quality imaging with 24 MP resolution, up to 8160×2400 @30 fps f or panoramic channels Excellent low-light performance with Dark Fighter technology 40x optical zoom and 16x digital zoom

provide close up views over expansive areas Expansive night view with up to 250 m R distance With one click on the panoramic channel, the PTZ channel shows the details automatically
Continous and stable manual tracking, auto-tracking, and panorama tracking Automatic switch between multiple targets Supports 7 alarm inputs, 2 alarm outputs, 1 audio input, and 1 audio output.

Operational Camera

The Security helmet camera for surveillance can record and transmit to the control center via satellite transmission with advance global positioning this will give the control center ability to locate and view all the operation in combat field remotely especially if they send them to the remote location.





Our body camera has the capacity to take pictures and send the video to control center at real time as well as can make face capture for confrasom and automatically detect criminal if the criminal face was uploaded on the server and integrates a body camera with a Push-to-Talk over Cellular voice communications to capture, store, and share video, audio and images in the field. The VM780 is used in security, construction, and process control applications for group communications and sharing video.

- All-in-one design reduces equipment costs and simplifies communications.
- Supports individual and group calls between dispatch,
- Rotating camera records real-time HD 1080P video with AES256 advanced encryption
- Stream video over the networks for nationwide monitoring of events

The Police patrol vehicles: They are typically equipped with an advanced range of equipment to assist the security agencies in carrying out their duties while on patrol. Below are some of the equipment / facilities.

- Advanced Communications equipment: The Police patrol vehicles are equipped with radios that allow officers to communicate with each other, dispatch, and other emergency services and can communicate from anywhere this call communication without boarder.





- Installed computer: This allows the officers to access criminal databases, check for warrants, and file reports from the field or any traffic violation and equipped with a GPS navigation system to help officers find their way to a location or track the location of a suspect.
- The vehicle is also equipped with cameras that in-built with 3 Generation deep learning systems, face recognition systems can easily identify criminal face after upload by the security agent and recognize missing vehicle after reporting. This will allow the police and other security agencies to reach a target and the control center can view all what the vehicle camera is reporting, and the controller can also monito the police on duty to make sure is doing the right things.

We will provide an advance communication equipment for all security agencies in which will give them ability to communicate from anywhere in the world and they can have inter-communication systems, the police can communicate with DSS or Road Safety, immigration on different channels and make secure in traction without any problems.



In-vehicle IMSI Catcher

Model: ATIP-2345-09

In order to meet the needs of the technical investigation work of the public security departments and security departments, it is necessary to obtain accurate location information of mobile phone users in the designated area. In-vehicle IMSI Catcher is a mobile phone positioning product, which combines advanced technologies in the field of wireless communication, is a set of police equipment tailored to locate criminal suspects for the investigators from security departments.

The In-vehicle IMSI Catcher mainly uses wireless communication means to accurately locate the target mobile phone without affecting the user's normal communication, especially in densely populated cities and high-rise buildings, the role of this product is particularly prominent, and it is easy to carry and easy to operate. It combines with the related 2G/3G/4G wireless communication protocol, after obtaining the approximate location area of the target mobile phone, turns on the device to scan the nearby public network base stations to obtain system parameters, and then configures its working environment according to the system parameters, and then enters the
IMSI of the target phone into the target list through the APP.

It will actively send out signals, and lures nearby mobile phones to update the location to the IMSI Catcher. After searching for the IMSI of a single or multiple target mobile phones, the IMSI Catcher checks the user's signal strength by monitoring the uplink and downlink signals. Measures the strength of the wireless signal emitted by the target mobile phone, approaches the target phone according to the signal strength, and uses safe signalling to make the target mobile phone imperceptibly lure the target mobile phone to the IMSI Catcher; finally uses the Direction Finder to obtain the signal strength of the target mobile phone and accurately locks the actual location of the target mobile phone.



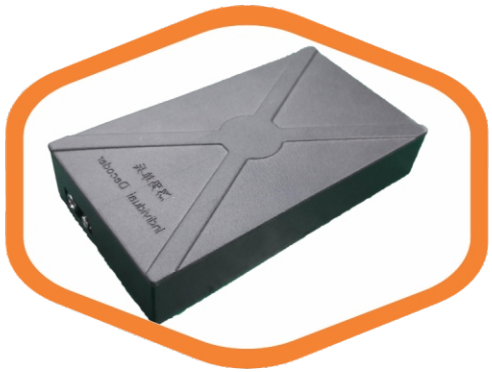
Features

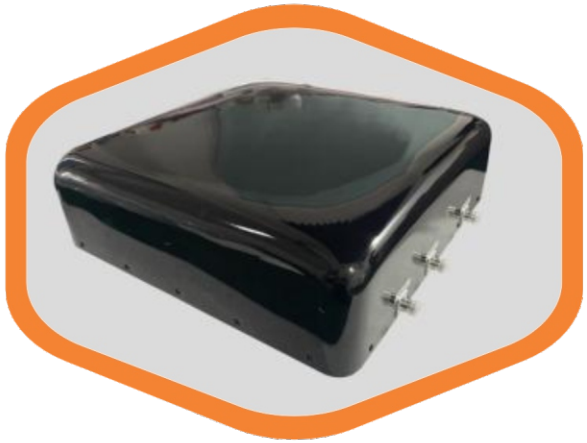
- **Mobile Phone Detection**, support IMSI collection function for mobile phones in all frequency bands
- **Positioning**, the portrait tag is shown on the supporting APP when any IMSI number from target list is detected, and the target mobile phone can be approached according to the field strength. Precise positioning can be carried out with Direction Finder
- **Scan and sync**, support automatic scanning at startup, automatic air interface synchronization and GPS synchronization
- **Intelligent configuration**, support automatically calculating frequency, PCI, TAC
- **Voice broadcast** , the supporting APP can broadcast the field strength value by voice
- **Collision analysis** , the supporting APP supports collision analysis

Installation Type

In-vehicle

Untraceable Antenna:





Direction Finder

MODEL: ATMCIM - 2345-01

Direction Finder works with In-vehicle IMSI Catcher together, it is an auxiliary device. When the In-vehicle IMSI Catcher detects the target mobile phone and approaches to the target mobile phone, if the target mobile phone is inside a building, the IMSI Catcher keeps working outside, the Direction Findercan take the positioning mission, it can be configured to detect and display the field strength only from the target mobile phone, so the very cleared field strength can be obtained, then the Direction Finder can infinitely approach to the target mobile phone according to the field strength.

Vehicular Active Interception System

Model: ATMIU-2345G-13

Vehicular active interception system is a vehicular solution that focus on voice & SMS interception and Location for target mobile phone under 5G/LTE/WCDMA/GSM network. This solution adopts the vehicle-mounted form and active working mode. When the target mobile phone is captured and registered to the system successfully, the system can be used to play role as Man-in-Middle and intercept communication content, call and SMS, of specified target. In addition, with individual positioning device, the precise positioning of the target can be implemented.

Unlike traditional active interception system, our system adopts network migration technology instead of jammer to force specified target degrade from 5G/LTE/WCDMA to GSM network. The network migration mechanism will affect only the target without disabling surrounding 5G/LTE/WCDMA network. In addition to interception and locating, the system also provides other functions under the telecom carrier's network including IMSI catching, target MSISDN acquisition, black/white list control, forged call/SMS and other analysis features.



- **Real-time Interception**

For the mobile phone target under the network of 5G/LTE/WCDMA/GSM, it can be migrated to the GSM network, and the voice and SMS can be intercepted in real time. In addition, the intercepted SMS can be tampered and transfer to the target. It can also be disguised as the target to send SMS and call.



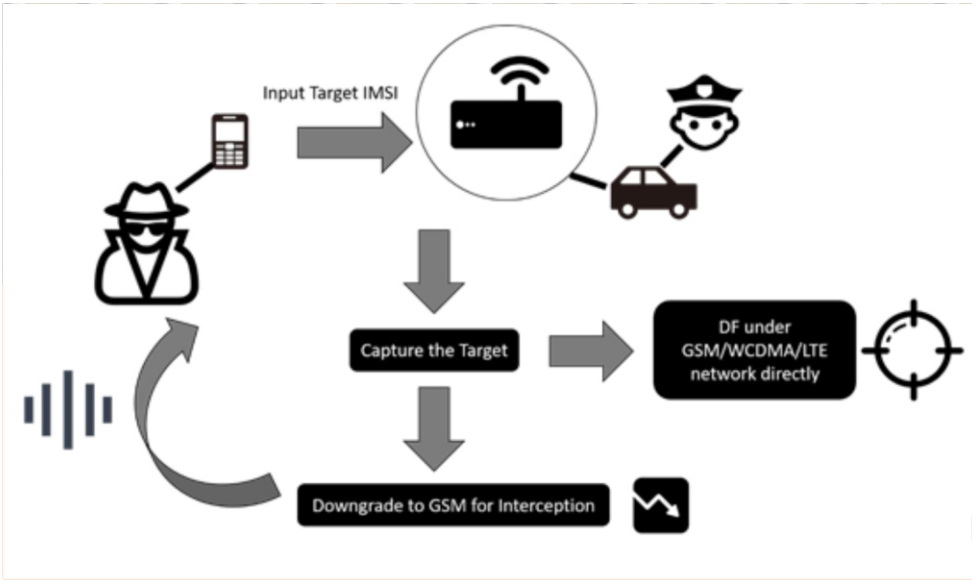
Communication Block

At the scene of a mass incident, the 5G/LTE/WCDMA/GSM blocking mode can be activated, so that on-site mobile phone users cannot communicate. For individual targets, selective blocking mode can be activated to prevent specific target.



- **Positioning and capture**

For the target of 5G/LTE/WCDMA/GSM mobile phones, the target signal can be locked within the coverage area. The hand-held individual device can be used to perform approach Successive Approximation Positioning (SAP) with the accuracy less than 1 meter.





- Support simultaneous operation under 5G/LTE/WCDMA/GSM telecom carrier network.
- Records voice sessions, SMS messages and call related information of selected targets.
- Quickly detects mobile phone's location within the working area.
- Supports the Successive Approximation Positioning (SAP).
- Selective block for registered mobile phones.
- IMSI/IMEI identities capture and collection.
- Support target's MSISDN acquisition.

Backpack IMSI Catcher

In order to meet the needs of the technical investigation work of the public security departments and security departments, it is necessary to obtain accurate location information of mobile phone users in the designated area. Backpack IMSI Catcher is a 2G/3G/4G mobile phone positioning product, which combines advanced technologies in the field of wireless communication, is a set of police equipment tailored to locate criminal suspects for the investigators from security departments.

The Backpack IMSI Catcher mainly uses wireless communication means to accurately locate the target mobile phone without affecting the user's normal communication, especially in densely populated cities and high-rise buildings, the role of this product is particularly prominent, and it is easy to carry and easy to operate. It combines with the related 2G/3G/4G wireless communication protocol, after obtaining the approximate location area of the target mobile phone, turns on the device to scan the nearby public network base stations to obtain system parameters, and then configures its working environment according to the system parameters, and then enters the IMSI of the target phone into the target list through the APP. It will actively send out signals, and lures nearby mobile phones to update the location to the IMSI Catcher.

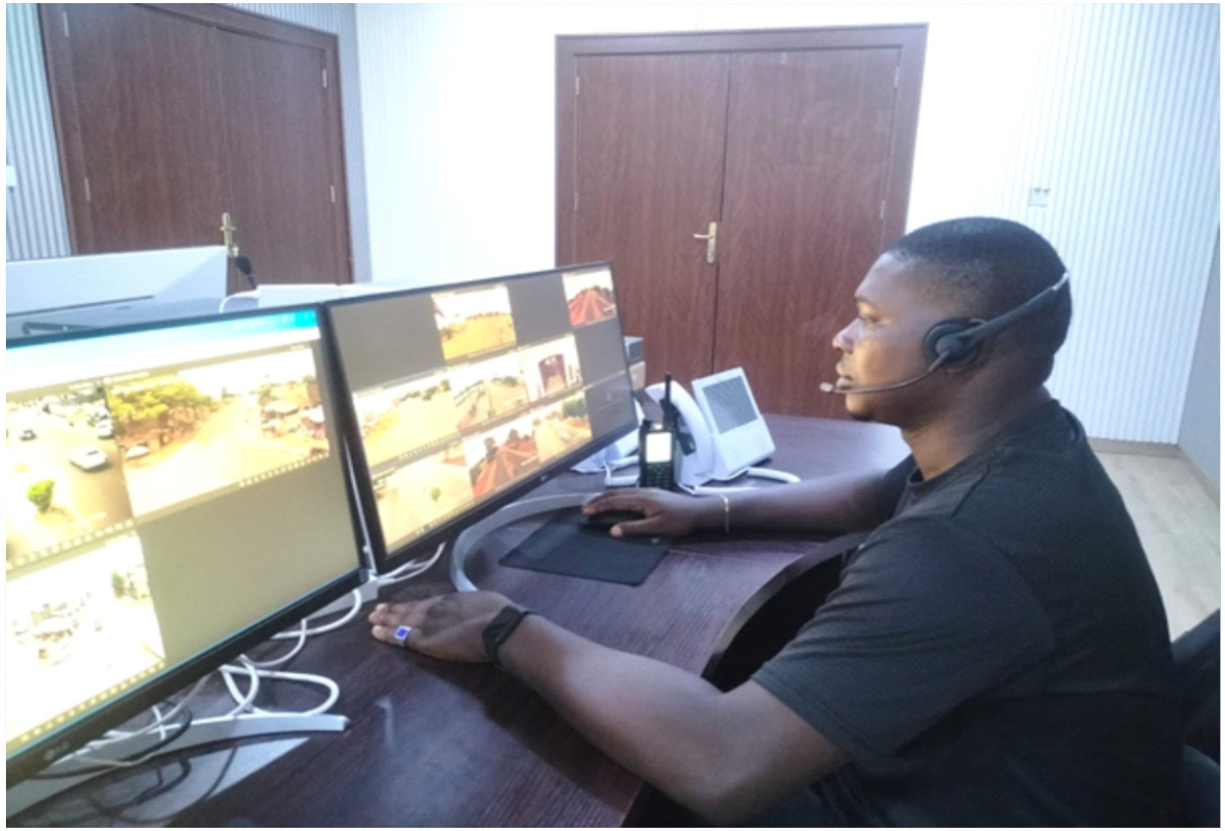


After searching for the IMSI of a single or multiple target mobile phones, the IMSI Catcher checks the user's signal strength by monitoring the uplink and downlink signals. Measures the strength of the wireless signal emitted by the target mobile phone, approaches the target phone according to the signal strength, and uses safe signaling to make the target mobile phone imperceptibly lure the target mobile phone to the IMSI Catcher



HajaraIhsan provides world leading PMR solutions, and key applications to various types of command & control centers across the globe. From small Emergency Call Centers in developing countries, to large, state-of-art, multi-functional Command Centers in developed countries. Our ICC can receive the call from informer and assign a dispatcher to that incidence and monitor the moving security agent real time and followup with real time surveillance systems.

And you geofence or circle station police and redirect them to the place immediately. Various ways of alarm receiving to get the alerts and alarms instantly and collectively, besides legacy alarm call, Integration Platform solution also supports SMS alarm, social media alarm, video surveillance, pre-warning alert.



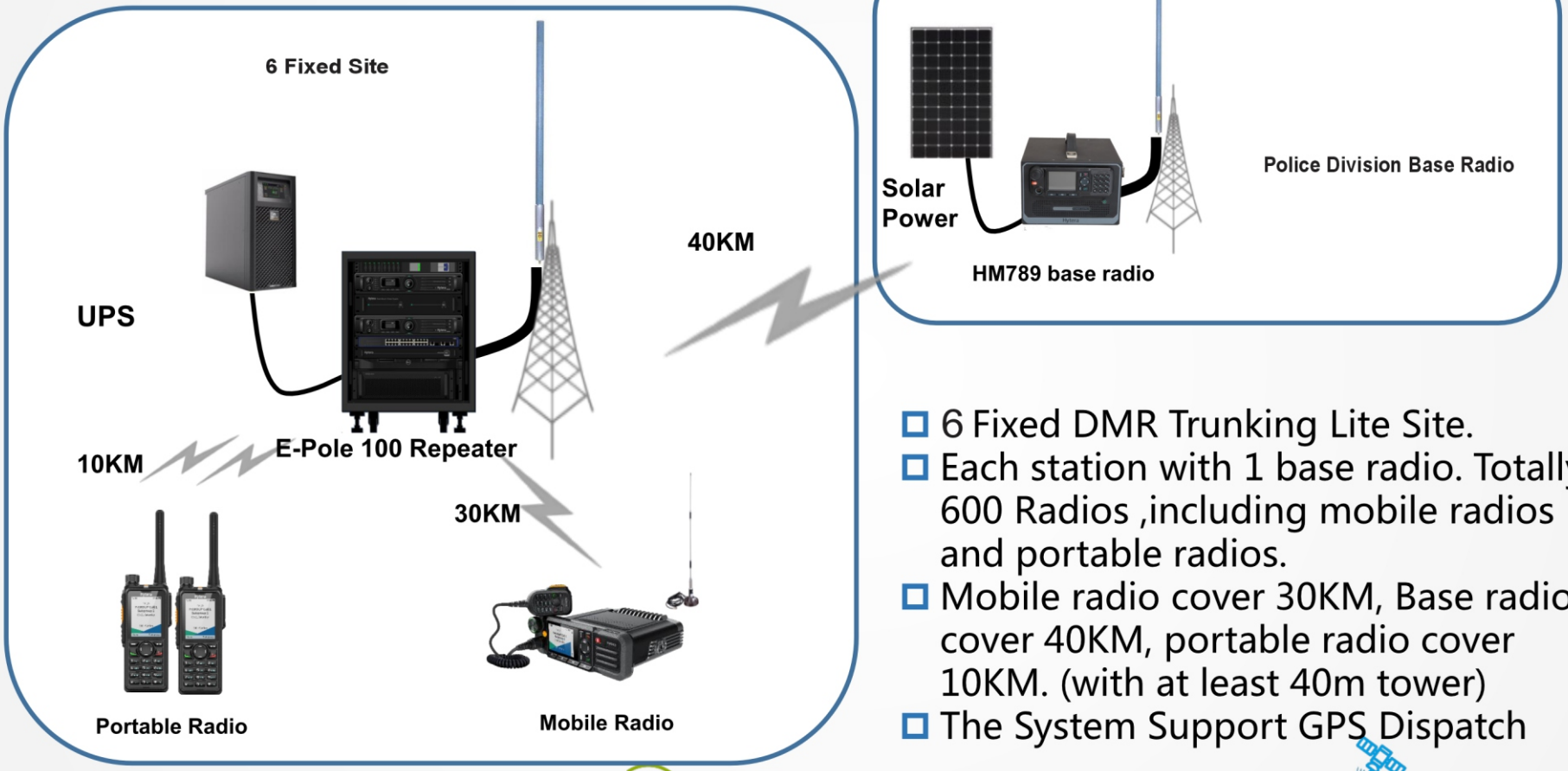
Supporting flexible workflow and agency deployment the incident created in the call taking & handling system can be forwarded to the Attendance and Response Registration for dispatch. The clients can be deployed in the same agency or in different agencies to support both unified and separate call takers and dispatchers.

GIS map-based event dynamic analysis unified GIS map-based incident-relevant and situational status information display, including but not limited to dynamic resource management, real-time viewing of available field unit and division resources comprising of officers, hand-held/carried/vehicle-mounted radio devices, CCTV cameras, police stations, jurisdictional areas, IoT sensors, critical buildings/campus, etc.

Unified communication platform unified communication platform integrating all sorts of private mobile radio systems and terminals, public telecommunication, IP network, CCTV systems, with GPS poll and map data, to fulfil unified communication, as well as dispatch across different platforms and devices.

Communication

fixed repeater site solution



- 6 Fixed DMR Trunking Lite Site.
- Each station with 1 base radio. Totally 600 Radios ,including mobile radios and portable radios.
- Mobile radio cover 30KM, Base radio cover 40KM, portable radio cover 10KM. (with at least 40m tower)
- The System Support GPS Dispatch

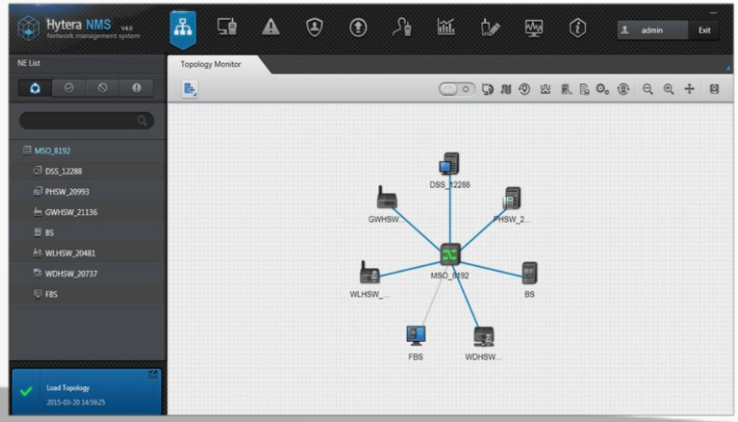
Proposed Police Division Radio Room

- Display TV
- Base Radio
- Dispatch System
- Network Management System
- DMR Base Station

GPS Dispatch



Network Management



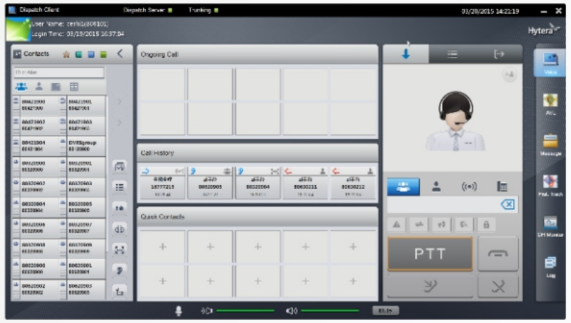
Work desktop



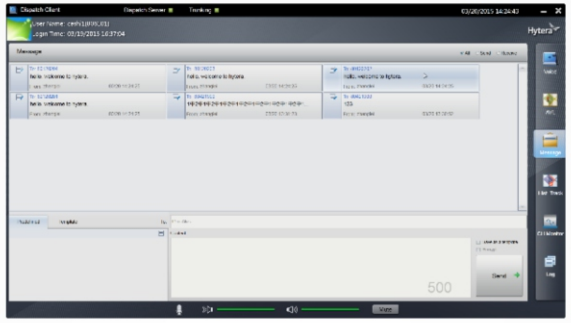
Base Radio



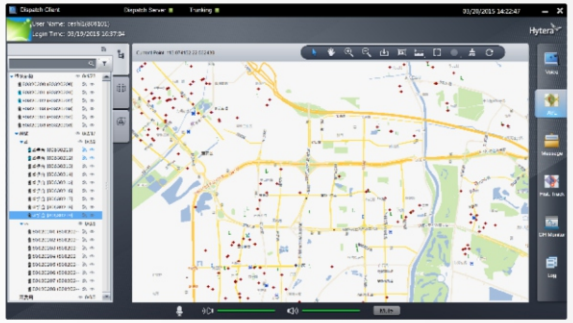
DWS—Simple & Easy Dispatching



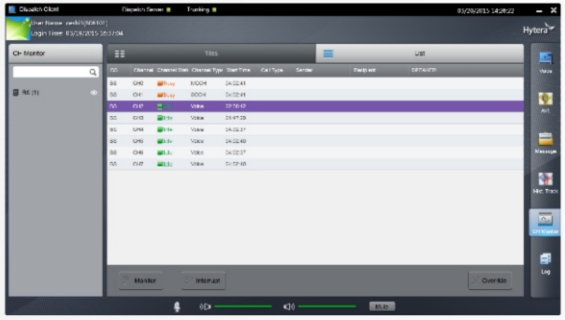
Interrupt/Override
Kill/Stun/Revive



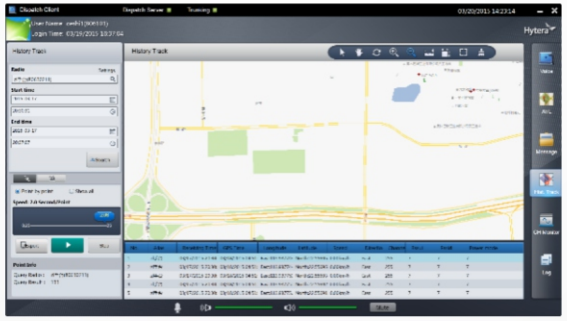
Short message
Status message



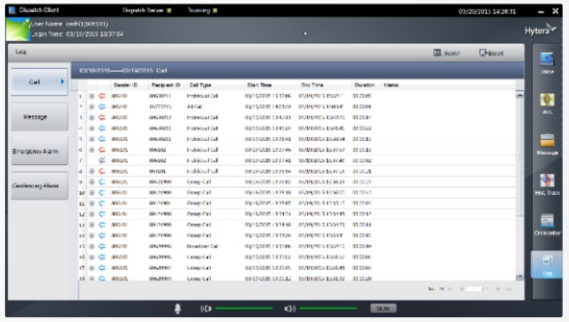
Online/Offline Map
GPS Polling/Geo-fencing



Channel monitor



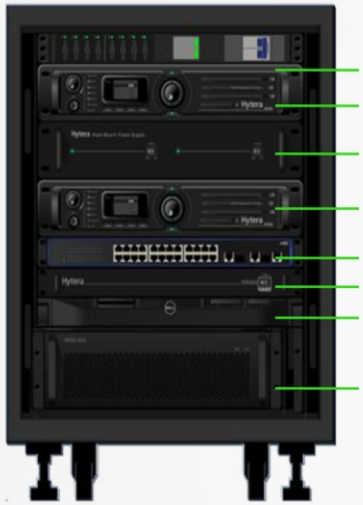
Voice playback
History track



Event Log/Call Log

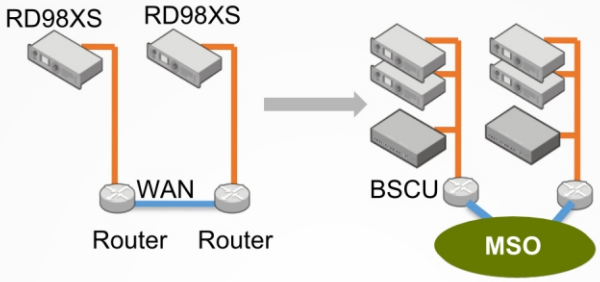
*DWS : Dispatch Workstation System

DMR Trunking Lite Base Station



Dimensions (H×W×D):
13U: 675 x 600 x 600 mm
37U:1,750 x 600 x 600 mm

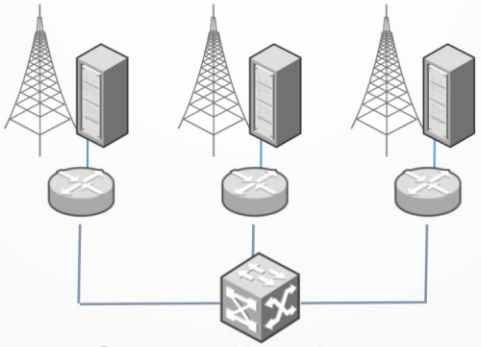
Weight:
2-carrier: ≤110 kg
4-carrier: ≤200 kg;
8-carrier: ≤400 kg



Smooth upgrade



MPT & DMR hybrid BS



Centralized or non-centralized network



Cost effective

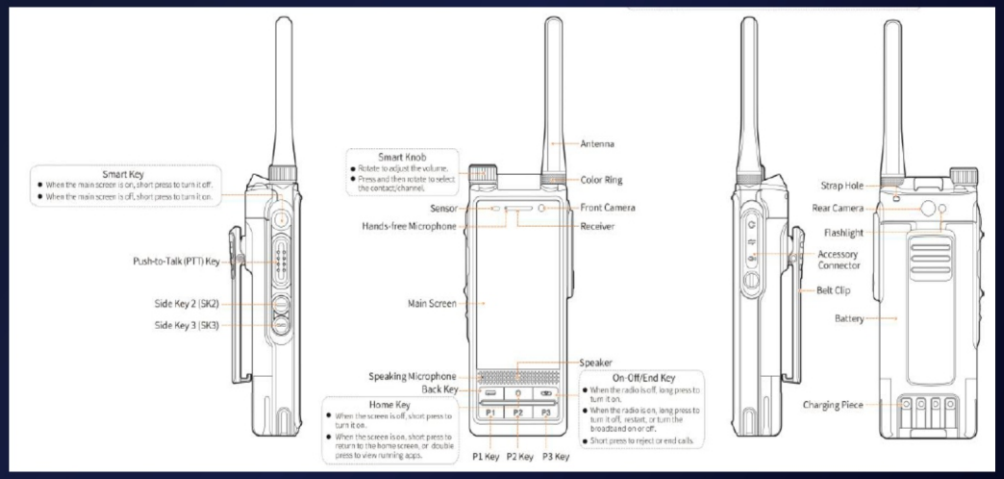
HP789 Portable Radio



PDC680 Hybrid Radio



- PDC680 Hybrid Radio (DMR with POC with smart phone all in one portable radio)
  - POC for National wide communication (No limited of coverage, the same as smart phone)
  - DMR for regional wide (10KM radius)



HM789 Mobile/Base Radio

Standard control head



Desktop Solution



Remote single control head*



Remote dual control head*









Connection cable
Thinner (Diameter = 6mm)
Longer: 3m, 10m, 40m
120m(Need to be customized)

HM789 Base Radio

Fixed/Base Station



N type
Adaptor

High Gain Omni-Directional
Fiberglass Antenna



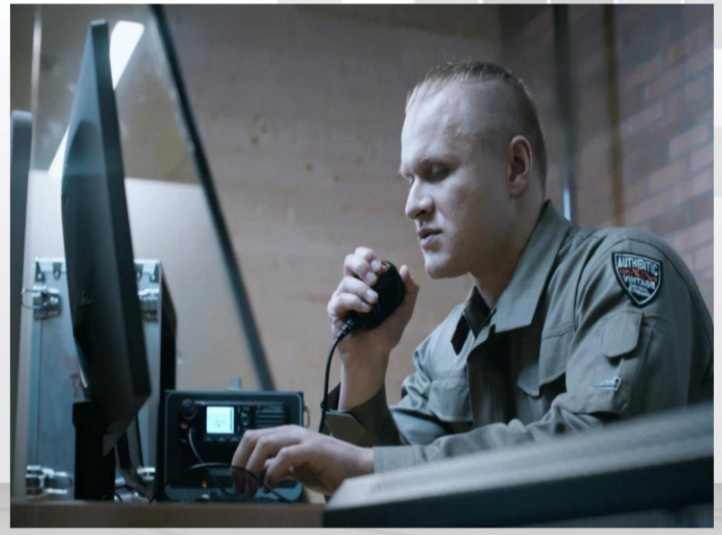
Easy Operation
Palm Microphone with Keypad

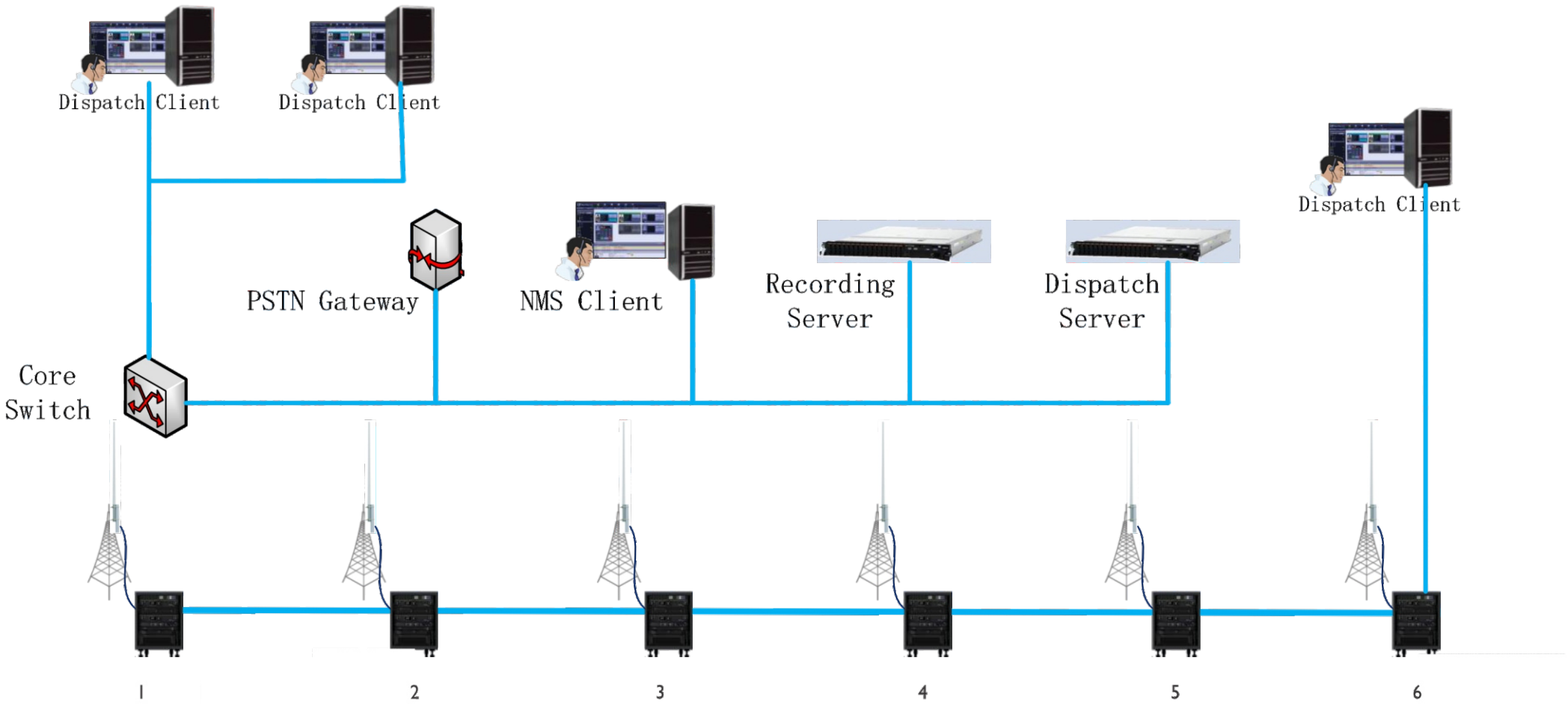


PS16001



Special Designed
Base Station Cabinet
with Power Supply





DMR 2/4 Carriers BS

Safe Border Project

The security of Nigeria's borders is crucial to ensure the safety of its citizens and prevent illegal activities such as smuggling, human trafficking, and terrorism. One way to enhance the security of Nigerian borders is by using camera technology. This proposal aims to outline a plan for implementing a camera-based security system at the Nigerian border. The primary objective of this proposal is to improve the security of Nigerian borders by utilizing camera technology to monitor and detect any suspicious activities. The following are specific goals that the camera-based security system aims to achieve:

- Enhance border surveillance to prevent illegal entry and exit of people and goods.
- Detect and prevent human trafficking and smuggling of illegal substances and weapons.
- Improve the efficiency of border security operations by reducing from manual to advance surveillance.
- Provide real-time monitoring and situational awareness to security personnel.
- Deter criminal activities and enhance the safety and security of citizens.

To achieve the objectives of this proposal, we recommend implementing an advance security surveillance system that leverages the latest advancements in video analytics and artificial intelligence. The system will consist of high-resolution cameras that are strategically placed at different locations along the Nigerian border.

To achieve the objectives of this proposal, we recommend implementing an advance security surveillance system that leverages the latest advancements in video analytics and artificial intelligence. The system will consist of high-resolution cameras that are strategically placed at different locations along the Nigerian border.

The cameras will be equipped with advanced video analytics software that can detect and track suspicious activities such as people crossing the border illegally, vehicles carrying illegal substances, and suspicious behavior of individuals. The system will be integrated with a centralized monitoring and control center that will provide real-time video feeds to security personnel.

The monitoring center will have trained operators who will be responsible for analyzing the video feeds and identifying any suspicious activities. The operators will have the authority to initiate appropriate responses such as dispatching patrol teams, notifying law enforcement agencies, or triggering alarm systems.

We design this project as modular or flexible that can be incrementally from 36kml radius to over 1000kml segment by segment. This kind of project is first of its kind in the world which can enable the States and the Nation at large to fully secure the forest and boarders no matter how long it is. Based on our experience in the field we design the project to be cost effective and easy to operate. We have implemented deep mind technology on which the computer can analyze and detect problem and report immediately for the action even if the command-and-control attendance is not on sit. We have improved the technology better than what we implement in Kano State.

The Tower will be constructed in each of the strategic location with height of 80meters and all surveillances equipment, Radars and other gadget will be install on the Tower this will give you the aerial overview of the whole area. Our cameras are capable to cover 18km with thermal view that can enable you to detect person or any vehicle at this range and it can turn 360°, Tilt range -45° to +45°, this will give chance to monitor the hole express way and checkmate everything at a fingertip.

We will provide communication facilities that will give all the security agents opportunities to communicate and send massages to command-and-control center vis-à-vis.

We would construct and equip the command-and-control center at the border with 32pcs of 65inch Oled Monitor this will give the ability to stream 4K video at the center. All the surveillance and communication information can be view at central command and control center in Abuja as well as president office and other relevant personnel will have ability to stream the video, communicate with center from anywhere in the world. We will also provide office of the President, and other relevant personnel with gadgets that can communicate and monitor the Boarder ways as well as the personnel that are working in the center from anywhere in the world.

- We will install the 36 pieces of cameras with coverage of 360°, and each camera can turn and zoom independently.
- We will provide 5 pieces of streaming server and deep learning GPU card which will gives ability to stream best and better quality video in the center and a round the world if you have access.
- We will provide 4U, 45 Bay storage each bay with capacity of 14tirrabity and the total of 135 hard disk (HDD) the total capacity 1,890 terabyte this can store all our video and communication backup for one year.
- We will provide 15 pieces of LG UltraFine display Ergo 32UN880-B 31.5" 16:9 4K HDR on each table in the control room which will be equipped with 3 monitors and the total number of the tables are 5 and each table will be equipped with MSI Gaming desktop, communication equipment, as well as 10G fiber optic connection.

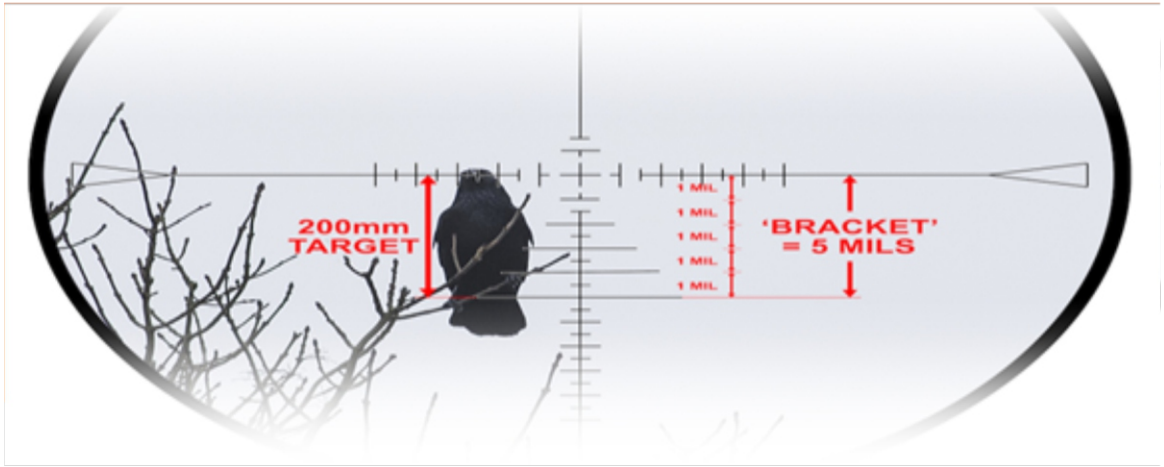
The command and control center will be equipped with attendance room to be provided with all necessary equipment that can take pictures and biometric of all personnel working in the command center and cantonment access to the facilities, this will give the high authorities to track every movement in the center and cantonment and any visitor can only be granted access from the head office of the Department of the State Security Service (DSS) if not cannot have access to the center and cantonment and if any staff give him access to the center or other facilities can be track from the head office.

We will provide the internet connection of STM-4 620mbps bandwidths connection. This will give office of the President, DG DSS, and other relevant personnel to monitor, communicate, surveillances from anywhere in the world.

Dormitory We will equip the Cantonment with cutting edge facilities especially communication and surveillances systems, 15 pieces of bed for the security personnel to rest if they are not on duty and the cafeteria attached to the building. This will give them chance for having relaxation period, eat and we will provide all the necessary equipment for the exercise and all the doors will be equipped with facial recognitions.

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- Camera In-built with Advanced Lenses: Our camera in-built with advanced lenses that can detect Vehicle at 18km; Recognition at 6.7km; Identification at 3.3km and can detect human at 8km; this kind of the lens configuration will give the camera actual stabilization
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Financial Sustainability Plan

Finance is usually a key aspect of any project be it public or private. No project will ever succeed if it is underfunded or fall short of fund to finance its operations hence we conceptualized this project in form of income generating activity. So the camera technology will have the capacity to check all traffic violation which will opportune the Federal and State Governments to generate substantial revenue from which they can continue supporting the implementation of this project. However, for a balanced financial responsibility the Governments can come out with the revenue sharing formula between them and at the same time decide the percentage of fund allocation seems feasible to cater the security agencies cost of maintenance and logistics for sustainability of their activities

Sustainability Objectives

1. To achieve hitch-free project operation
2. To generate substantial revenue for sustainable project financing
3. To increase revenue generation to the Governments for sponsoring and implementing the project expansion phase across the Nation.

Note :- All This Data Is Base On Sampling In Kano State

Assumptions

	Unit	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Country		Nigeria										
Local Currrency		Naira										
Business Products/Services												
Product/Service 1		SVIS Registration for Cars and Buses										
Product/Service 2		SVIS Registration for Trucks										
Product/Service 3		SVIS Registration for Tricycles										
		Traffic Violation Detections and Fines										
Company tax rate	%	5%										
Bank interest rate	%	24%										
Inflation rate	%	15%										
Depreciation rates:												
Land and Building	%	10%										
Equipment/Machinery	%	20%										

B. Growth Rates

Revenue												
SVIS Registration for Cars and Buses												
Sales volume	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Price	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
SVIS Registration for Trucks												
Sales volume	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Price	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
SVIS Registration for Tricycles												
Sales volume	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Price	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Traffic Violation Detections and Fines												
Sales volume	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Price	%		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Costs												
Direct costs	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Salaries	%		0%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Rent	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Utilities*	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Marketing/Advertisement	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Administrative	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Maintenance	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Insurance	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Transport	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Subscription/Licenses	%		0%	2%	2%	2%	2%	2%	2%	2%	2%	2%

Glossary
□tilities□ co□ers costs □or electricity□ □ater□ gas□ internet and telephone usage
S□IS□ Security □ehicle Identi□ication System

C. Startup Costs

Enter the costs you expect to incur in the process of setting up your business below. Note that not all costs may be relevant to your business, so only fill where necessary

Construction of command & Control Room	₦	350,232,743.90	350,232,743.90	-	-	-	-	-	-	-	-	-
Equipment, vehicles (VAT, Installation Inclusive)	₦	9,587,597,999.01	9,587,597,999.01	-	-	-	-	-	-	-	-	38,787,181,251.75
	₦			-	-	-	-	-	-	-	-	-
	₦			-	-	-	-	-	-	-	-	-
	₦			-	-	-	-	-	-	-	-	-
	₦			-	-	-	-	-	-	-	-	-
Opening Inventory/consumables	₦		3,872,175.00	*5 months' worth of Direct Cost*								
Initial Working Capital	₦		48,339,155.17	*6 months' worth of Operating Expenses*								
Contingency	₦		9,957,926.92	0.1% of total project cost								
Total	₦		**10,000,000,000.00**	0.00	-	-	-	-	-	-	-	38,787,181,251.75

D. Staff requirement and Cost

Benefits* % of salary	%	0.05										
Senior Management (CEO)			** Future salary costs are automatically computed from annual growth rates entered in Section B above*									
Number of employees	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary	₦	2,400,000.00	2,400,000.00	2,520,000.00	2,646,000.00	2,778,300.00	2,917,215.00	3,063,075.75	3,216,229.54	3,377,041.01	3,545,893.07	3,723,187.72

Total Salaries & Benefits for Senior Management personnel			2,520,000.00	2,646,000.00	2,778,300.00	2,917,215.00	3,063,075.75	3,216,229.54	3,377,041.01	3,545,893.07	3,723,187.72	3,909,347.10
Business Development*												
No. of employees (Manager)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
No.of employees (Associate)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary (Manager)	₦	1,800,000.00	1,800,000.00	1,890,000.00	1,984,500.00	2,083,725.00	2,187,911.25	2,297,306.81	2,412,172.15	2,532,780.76	2,659,419.80	2,792,390.79
Basic annual salary (Associate))	₦	1,200,000.00	1,200,000.00	1,260,000.00	1,323,000.00	1,389,150.00	1,458,607.50	1,531,537.88	1,608,114.77	1,688,520.51	1,772,946.53	1,861,593.86
Total Salaries & Benefits for Business Development personnel			3,150,000.00	3,307,500.00	3,472,875.00	3,646,518.75	3,828,844.69	4,020,286.92	4,221,301.27	4,432,366.33	4,653,984.65	4,886,683.88
Sales/Customer Support												
No. of employees (Manager)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
No.of employees (Associate))	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary (Manager)	₦	1,800,000.00	1,800,000.00	1,890,000.00	1,984,500.00	2,083,725.00	2,187,911.25	2,297,306.81	2,412,172.15	2,532,780.76	2,659,419.80	2,792,390.79
Basic annual salary (Associate)	₦	1,200,000.00	1,200,000.00	1,260,000.00	1,323,000.00	1,389,150.00	1,458,607.50	1,531,537.88	1,608,114.77	1,688,520.51	1,772,946.53	1,861,593.86
Total Salaries & Benefits for Sales/Customer Support personnel			3,150,000.00	3,307,500.00	3,472,875.00	3,646,518.75	3,828,844.69	4,020,286.92	4,221,301.27	4,432,366.33	4,653,984.65	4,886,683.88
Marketing and Publicity												
No. of employees (Manager)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
No.of employees (Associate))	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary (Manager)	₦	1,800,000.00	1,800,000.00	1,890,000.00	1,984,500.00	2,083,725.00	2,187,911.25	2,297,306.81	2,412,172.15	2,532,780.76	2,659,419.80	2,792,390.79
Basic annual salary (Associate)	₦	1,200,000.00	1,200,000.00	1,260,000.00	1,323,000.00	1,389,150.00	1,458,607.50	1,531,537.88	1,608,114.77	1,688,520.51	1,772,946.53	1,861,593.86
Total Salaries & Benefits for Marketing & Publicity personnel			3,150,000.00	3,307,500.00	3,472,875.00	3,646,518.75	3,828,844.69	4,020,286.92	4,221,301.27	4,432,366.33	4,653,984.65	4,886,683.88
IT												
No. of employees (Manager)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
No.of employees (Associate)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary (Manager)	₦	1,800,000.00	1,800,000.00	1,890,000.00	1,984,500.00	2,083,725.00	2,187,911.25	2,297,306.81	2,412,172.15	2,532,780.76	2,659,419.80	2,792,390.79
Basic annual salary (Associate)	₦	1,200,000.00	1,200,000.00	1,260,000.00	1,323,000.00	1,389,150.00	1,458,607.50	1,531,537.88	1,608,114.77	1,688,520.51	1,772,946.53	1,861,593.86
Total Salaries & Benefits for IT personnel			3,150,000.00	3,307,500.00	3,472,875.00	3,646,518.75	3,828,844.69	4,020,286.92	4,221,301.27	4,432,366.33	4,653,984.65	4,886,683.88
Finance and Administration (F&A)												
No. of employees (Manager)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
No.of employees (Associate)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary (Manager)	₦	1,800,000.00	1,800,000.00	1,890,000.00	1,984,500.00	2,083,725.00	2,187,911.25	2,297,306.81	2,412,172.15	2,532,780.76	2,659,419.80	2,792,390.79
Basic annual salary (Associate)	₦	1,200,000.00	1,200,000.00	1,260,000.00	1,323,000.00	1,389,150.00	1,458,607.50	1,531,537.88	1,608,114.77	1,688,520.51	1,772,946.53	1,861,593.86
Total Salaries & Benefits for F&A personnel			3,150,000.00	3,307,500.00	3,472,875.00	3,646,518.75	3,828,844.69	4,020,286.92	4,221,301.27	4,432,366.33	4,653,984.65	4,886,683.88
Facility Management												
No. of employees (Manager)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
No.of employees (Associate)	#		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Basic annual salary (Manager)	₦	1,200,000.00	1,200,000.00	1,260,000.00	1,323,000.00	1,389,150.00	1,458,607.50	1,531,537.88	1,608,114.77	1,688,520.51	1,772,946.53	1,861,593.86
Basic annual salary (Associate)	₦	840,000.00	840,000.00	882,000.00	926,100.00	972,405.00	1,021,025.25	1,072,076.51	1,125,680.34	1,181,964.36	1,241,062.57	1,303,115.70
Total Salaries & Benefits for facility management personnel			2,142,000.00	2,249,100.00	2,361,555.00	2,479,632.75	2,603,614.39	2,733,795.11	2,870,484.86	3,014,009.11	3,164,709.56	3,322,945.04

Glossary

Benefits: other elements of the employee remuneration package expected to cover medical insurance, allowances, pension, training and development, etc or extensive engagement with customers to identify the best-fit product

E. Operating Costs

Fill the following with data for your business. Note that not all fields may be relevant for your business, so fill as required.

Direct costs												
Consummables	₦	1,000,000.00	1,000,000.00	1,020,000.00	1,040,400.00	1,061,208.00	1,082,432.16	1,104,080.80	1,126,162.42	1,148,685.67	1,171,659.38	1,195,092.57
Direct labor	₦	3,000,000.00	3,000,000.00	3,060,000.00	3,121,200.00	3,183,624.00	3,247,296.48	3,312,242.41	3,378,487.26	3,446,057.00	3,514,978.14	3,585,277.71
Factory overheads	₦	4,911,000.00	4,911,000.00	5,009,220.00	5,109,404.40	5,211,592.49	5,315,824.34	5,422,140.82	5,530,583.64	5,641,195.31	5,754,019.22	5,869,099.60
Training and Development	₦	12,000,000.00	12,000,000.00	12,240,000.00	12,484,800.00	12,734,496.00	12,989,185.92	13,248,969.64	13,513,949.03	13,784,228.01	14,059,912.57	14,341,110.82
Fixed costs												
Salaries and Wages	₦		20,412,000.00	21,432,600.00	22,504,230.00	23,629,441.50	24,810,913.58	26,051,459.25	27,354,032.22	28,721,733.83	30,157,820.52	31,665,711.54
Rent	₦		-	-	-	-	-	-	-	-	-	-
Utilities (Telephone, Electricity etc.)	₦	3,000,000.00	3,000,000.00	3,060,000.00	3,121,200.00	3,183,624.00	3,247,296.48	3,312,242.41	3,378,487.26	3,446,057.00	3,514,978.14	3,585,277.71
Marketing/Advertisement	₦	2,000,000.00	2,000,000.00	2,040,000.00	2,080,800.00	2,122,416.00	2,164,864.32	2,208,161.61	2,252,324.84	2,297,371.34	2,343,318.76	2,390,185.14
Administrative	₦	1,000,000.00	1,000,000.00	1,020,000.00	1,040,400.00	1,061,208.00	1,082,432.16	1,104,080.80	1,126,162.42	1,148,685.67	1,171,659.38	1,195,092.57
Maintenance	₦	200,000,000.00	200,000,000.00	204,000,000.00	208,080,000.00	212,241,600.00	216,486,432.00	220,816,160.64	225,232,483.85	229,737,133.53	234,331,876.20	239,018,513.72
Insurance	₦	500,000.00	500,000.00	510,000.00	520,200.00	530,604.00	541,216.08	552,040.40	563,081.21	574,342.83	585,829.69	597,546.28
Transport and Logistics	₦	300,000.00	300,000.00	306,000.00	312,120.00	318,362.40	324,729.65	331,224.24	337,848.73	344,605.70	351,497.81	358,527.77
Subscription/Licenses	₦	12,000,000.00	12,000,000.00	12,240,000.00	12,484,800.00	12,734,496.00	12,989,185.92	13,248,969.64	13,513,949.03	13,784,228.01	14,059,912.57	14,341,110.82

F. Revenue

SVIS Registration for Cars and Buses		
Monthly Registration volume	#	41,668.00
Registration Fee per Unit	₦	10,000.00

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly sales volume	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00	41668.00
% of sales revenue realized	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Annual sales volume	#	500,016.00	550,017.60	605,019.36	665,521.30	732,073.43	805,280.77	885,808.84	974,389.73	1,071,828.70	1,179,011.57	1,296,912.73
Annual product/service price	₦	10,000.00	11,000.00	12,100.00	13,310.00	14,641.00	16,105.10	17,715.61	19,487.17	21,435.89	23,579.48	25,937.42

SVIS Registration for Trucks

Monthly Registration volume	#	8,334.00
Registration Fee per Unit	₦	20,000.00

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly sales volume	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00	8334.00
% of sales revenue realized	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Reason for seasonality												

Annual sales volume	#	100,008.00	110,008.80	121,009.68	133,110.65	146,421.71	161,063.88	177,170.27	194,887.30	214,376.03	235,813.63	259,395.00
Annual product/service price	₦	20,000.00	22,000.00	24,200.00	26,620.00	29,282.00	32,210.20	35,431.22	38,974.34	42,871.78	47,158.95	51,874.85

SVIS Registration for Tricycles

Monthly Registration volume	#	2,500.00
Registration Fee per Unit	₦	5,000.00

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Turnover	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00	2500.00
% of revenue realized	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Annual Turnover	#	30,000.00	30,000.00	33,000.00	36,300.00	39,930.00	43,923.00	48,315.30	53,146.83	58,461.51	64,307.66	70,738.43
Registration Fee	₦	5,000.00	5,000.00	5,500.00	6,050.00	6,655.00	7,320.50	8,052.55	8,857.81	9,743.59	10,717.94	11,789.74

Traffic Violation Detections and Fines

Monthly Turnover/ Detection rate	#	10,000.00
Fine per Unit	₦	5,000.00

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Turnover	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
% of revenue realized	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Annual Turnover	#	120,000.00	132,000.00	145,200.00	159,720.00	175,692.00	193,261.20	212,587.32	233,846.05	257,230.66	282,953.72	311,249.10
Registration fee per Unit	₦	5,000.00	5,500.00	6,050.00	6,655.00	7,320.50	8,052.55	8,857.81	9,743.59	10,717.94	11,789.74	12,968.71

G. Working Capital

Receivable Days	days	7
Payable Days	days	7
Inventory Days	days	7

H. Startup Financing

Personal savings (Owner's Capital)	%	0%
Grants	%	0%
Equity	%	100%
Debt	%	0%
		□□□%

I. Equity Financing

Equity Injection	₦	10,000,000,000.00										
Opening Balance	₦		10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00
Closing Balance	₦	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00	10,000,000,000.00

J. Debt Financing

Debt Facility 1

Year loan will be borrowed	year	
Amount to be borrowed	₦	-
Repayment period	years	0
Loan end	years	0

Schedules

Debt Amortization Schedule (straight-line)

Year of operation		1	2	3	4	5	6	7	8	9	10
Debt Facility											
Opening	₦	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Addition	₦	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Principal Repayment	₦	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing	₦	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest Expense	₦	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Debt Service	₦	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Annual Debt											
Total Loan Taken	₦	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Total Loan Repayment	₦	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Total Interest Expense	₦	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Total Loan Balance	₦	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Working Capital Schedule

Days Receivable	₦	95,893,479.45	116,031,110.14	140,397,643.27	169,881,148.35	205,556,189.51	248,722,989.30	300,954,817.05	364,155,328.64	440,627,947.65	533,159,816.66
Inventory	₦	401,032.88	409,053.53	417,234.60	425,579.30	434,090.88	442,772.70	451,628.15	460,660.72	469,873.93	479,271.41
Days Payable	₦	4,587,627.40	4,691,123.84	4,797,277.40	4,906,170.58	5,017,889.02	5,132,521.57	5,250,160.51	5,370,901.66	5,494,844.52	5,622,092.49
Net Working Capital	₦	91,706,884.93	111,749,039.84	136,017,600.47	165,400,557.06	200,972,391.37	244,033,240.43	296,156,284.70	359,245,087.70	435,602,977.06	528,016,995.58
Change in Net Working Capital	₦	**91,706,884.93**	**20,042,154.90**	**24,268,560.64**	**29,382,956.59**	**35,571,834.31**	**43,060,849.06**	**52,123,044.27**	**63,088,803.00**	**76,357,889.36**	**92,414,018.52**

PPE & Depreciation Schedule

Year of operation		1	2	3	4	5	6	7	8	9	10
Cost											
Opening											
Construction of command & Control Room	₦	-	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90
Equipment, vehicles (VAT, Installation Inclusive)	₦	-	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**-**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**
Additions											
Construction of command & Control Room	₦	350,232,743.90	-	-	-	-	-	-	-	-	-
Equipment, vehicles (VAT, Installation Inclusive)	₦	9,587,597,999.01	-	-	-	-	-	-	-	-	38,787,181,251.75
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**9,937,830,742.91**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**38,787,181,251.75**
Closing											
Construction of command & Control Room	₦	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90
Equipment, vehicles (VAT, Installation Inclusive)	₦	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	9,587,597,999.01	48,374,779,250.76
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**9,937,830,742.91**	**48,725,011,994.66**
Accumulated Depreciation											
Opening											
Construction of command & Control Room	₦	-	-	-	-	-	-	-	-	-	-
Equipment, vehicles (VAT, Installation Inclusive)	₦	-	958,759,799.90	1,917,519,599.80	2,876,279,399.70	3,835,039,199.60	4,793,798,999.51	5,752,558,799.41	6,711,318,599.31	7,670,078,399.21	8,628,838,199.11
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**-**	**958,759,799.90**	**1,917,519,599.80**	**2,876,279,399.70**	**3,835,039,199.60**	**4,793,798,999.51**	**5,752,558,799.41**	**6,711,318,599.31**	**7,670,078,399.21**	**8,628,838,199.11**
Charge for the Year											
Construction of command & Control Room	₦	-	-	-	-	-	-	-	-	-	-
Equipment, vehicles (VAT, Installation Inclusive)	₦	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90	958,759,799.90
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**958,759,799.90**	**4,837,477,925.08**
Closing											
Construction of command & Control Room	₦	-	-	-	-	-	-	-	-	-	-
Equipment, vehicles (VAT, Installation Inclusive)	₦	958,759,799.90	1,917,519,599.80	2,876,279,399.70	3,835,039,199.60	4,793,798,999.51	5,752,558,799.41	6,711,318,599.31	7,670,078,399.21	8,628,838,199.11	13,466,316,124.19
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**958,759,799.90**	**1,917,519,599.80**	**2,876,279,399.70**	**3,835,039,199.60**	**4,793,798,999.51**	**5,752,558,799.41**	**6,711,318,599.31**	**7,670,078,399.21**	**8,628,838,199.11**	**13,466,316,124.19**
Net Book Value											
Construction of command & Control Room	₦	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90	350,232,743.90
Equipment, vehicles (VAT, Installation Inclusive)	₦	8,628,838,199.11	7,670,078,399.21	6,711,318,599.31	5,752,558,799.41	4,793,798,999.51	3,835,039,199.60	2,876,279,399.70	1,917,519,599.80	958,759,799.90	34,908,463,126.58
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
	₦	-	-	-	-	-	-	-	-	-	-
Total	₦	**8,979,070,943.01**	**8,020,311,143.11**	**7,061,551,343.21**	**6,102,791,543.31**	**5,144,031,743.41**	**4,185,271,943.50**	**3,226,512,143.60**	**2,267,752,343.70**	**1,308,992,543.80**	**35,258,695,870.48**

Income Statement

All figures expressed in Thousands

	Units	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
		000	*000*	*000*	*000*	*000*	*000*	*000*	*000*	*000*	*000*
Revenue											
SVIS Registration for Cars and Buses	₦	5,000,160	6,050,194	7,320,734	8,858,088	10,718,287	12,969,127	15,692,644	18,988,099	22,975,600	27,800,476
SVIS Registration for Trucks	₦	2,000,160	2,420,194	2,928,434	3,543,405	4,287,521	5,187,900	6,277,359	7,595,604	9,190,681	11,120,724
SVIS Registration for Tricycle	₦	150,000	181,500	219,615	265,734	321,538	389,061	470,764	569,624	689,245	833,987
Traffic Violation Detection with Fines	₦	600,000	726,000	878,460	1,062,937	1,286,153	1,556,245	1,883,057	2,278,499	2,756,984	3,335,950
Total Revenue	₦	7,750,320	9,377,888	11,347,243	13,730,164	16,613,499	20,102,333	24,323,824	29,431,826	35,612,510	43,091,137
Direct Costs	₦	20,911	21,329	21,756	22,191	22,635	23,087	23,549	24,020	24,501	24,991
Gross Profit	₦	7,729,409	9,356,559	11,325,487	13,707,973	16,590,864	20,079,246	24,300,275	29,407,806	35,588,009	43,066,146
	₦										
Salaries and Wages	₦	20,412	21,433	22,504	23,629	24,811	26,051	27,354	28,722	30,158	31,666
Utilities	₦	3,000	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585
Marketing/Advertisement	₦	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390
Administrative	₦	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195
Maintenance	₦	200,000	204,000	208,080	212,242	216,486	220,816	225,232	229,737	234,332	239,019
Insurance	₦	500	510	520	531	541	552	563	574	586	598
Transports and Logistics	₦	300	306	312	318	325	331	338	345	351	359
Subscription	₦	12,000	12,240	12,485	12,734	12,989	13,249	13,514	13,784	14,060	14,341
Depreciation	₦	958,760	958,760	958,760	958,760	958,760	958,760	958,760	958,760	958,760	4,837,478
Operating Profit	₦	6,531,437	8,153,190	10,116,584	12,493,391	15,370,457	18,852,862	23,067,757	28,168,992	34,342,732	37,935,516
Interest Expense	₦	-	-	-	-	-	-	-	-	-	-
Profit Before Tax	₦	6,531,437	8,153,190	10,116,584	12,493,391	15,370,457	18,852,862	23,067,757	28,168,992	34,342,732	37,935,516
Taxation	₦	394,072	489,334	604,656	744,250	913,215	1,117,721	1,365,232	1,664,781	2,027,297	2,272,070
Profit After Tax/ Net Income	₦	6,137,365	7,663,856	9,511,928	11,749,141	14,457,242	17,735,141	21,702,525	26,504,211	32,315,435	35,663,446

Cash flow Statement

All figures expressed in thousands	Uints	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
		000	000	000	000	000	000	000	000	000	000
Operating Activities											
Net Earnings		6,137,365	7,663,856	9,511,928	11,749,141	14,457,242	17,735,141	21,702,525	26,504,211	32,315,435	35,663,446
Plus: Taxation		394,072	489,334	604,656	744,250	913,215	1,117,721	1,365,232	1,664,781	2,027,297	2,272,070
Plus: Interest Expense		-	-	-	-	-	-	-	-	-	-
Plus: Depreciation		958,760	958,760	958,760	958,760	958,760	958,760	958,760	958,760	958,760	4,837,478
Minus: Changes in Working Capital		(91,707)	(20,042)	(24,269)	(29,383)	(35,572)	(43,061)	(52,123)	(63,089)	(76,358)	(92,414)
Net Operating Cash flow		**7,398,490**	**9,091,908**	**11,051,075**	**13,422,768**	**16,293,645**	**19,768,561**	**23,974,394**	**29,064,663**	**35,225,134**	**42,680,580**
Investing Activities											
Purchase of CAPEX		(9,937,831)	-	-							(38,787,181)
Net Investing Casflow		**(9,937,831)**	**-**	**-**							**(38,787,181)**
Finacing Activites											
Equity Injection		10,000,000									
Loan Taken		-									
Loan Repayment		-	-	-	-	-	-	-	-		
Loan Interest		-	-	-	-	-	-	-	-		
Net Financing Cashflow		**10,000,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Cash Generated During the Year		7,460,659	9,091,908	11,051,075	13,422,768	16,293,645	19,768,561	23,974,394	29,064,663	35,225,134	3,893,399
Cash at the Beginning of the Year		-	7,460,659	16,552,567	27,603,643	41,026,411	57,320,056	77,088,616	101,063,010	130,127,673	165,352,807
Cash at the End of the Year		**7,460,659**	**16,552,567**	**27,603,643**	**41,026,411**	**57,320,056**	**77,088,616**	**101,063,010**	**130,127,673**	**165,352,807**	**169,246,206**

Balance sheet

All figures exprressed in thousands	Units	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
		000	*000*	*000*	*000*	*000*	*000*	*000*	*000*	*000*	*000*
Assets:											
Current Assets	₦										
Cash & cash equivalent	₦	7,460,659	16,552,567	27,603,643	41,026,411	57,320,056	77,088,616	101,063,010	130,127,673	165,352,807	169,246,206
Account receivable	₦	95,893	116,031	140,398	169,881	205,556	248,723	300,955	364,155	440,628	533,160
Inventory	₦	401	409	417	426	434	443	452	461	470	479
Total	₦	7,556,953	16,669,007	27,744,458	41,196,718	57,526,046	77,337,782	101,364,417	130,492,289	165,793,905	169,779,845
Non-Current Assets	₦										
Property, Plant and Equipment	₦	8,979,071	8,020,311	7,061,551	6,102,792	5,144,032	4,185,272	3,226,512	2,267,752	1,308,993	35,258,696
Total Assets	₦	**16,536,024**	**24,689,318**	**34,806,009**	**47,299,510**	**62,670,078**	**81,523,054**	**104,590,929**	**132,760,041**	**167,102,898**	**205,038,541**
Liabilities and Equity											
Liabilities	₦										
Account Payable	₦	4,588	4,691	4,797	4,906	5,018	5,133	5,250	5,371	5,495	5,622
Tax Payable	₦										
Total	₦	4,588	4,691	4,797	4,906	5,018	5,133	5,250	5,371	5,495	5,622
Non-Current Liabilities											
Long-term Loan	₦	-	-	-	-	-	-	-	-	-	-
Shareholder's Equity											
Investment Capital	₦	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Retained Earning	₦	6,531,436	14,684,627	24,801,212	37,294,604	52,665,060	71,517,921	94,585,679	122,754,670	157,097,403	195,032,919
Total	₦	16,531,436	24,684,627	34,801,212	47,294,604	62,665,060	81,517,921	104,585,679	132,754,670	167,097,403	205,032,919
Total Liabilities & Equity	₦	**16,536,024**	**24,689,318**	**34,806,009**	**47,299,510**	**62,670,078**	**81,523,054**	**104,590,929**	**132,760,041**	**167,102,898**	**205,038,541**

All figures expressed in thousands					
Year	Revenue (₦)	Cost (₦)	(DF) 30%	Discounted Revenue (₦)	Discounted Cost (₦)
	000	*000*		*000*	*000*
1	7,750,320	1,218,883	0.769	5,961,546	937,565
2	9,377,888	1,224,698	0.592	5,548,896	724,654
3	11,347,243	1,230,660	0.455	5,165,265	560,196
4	13,730,164	1,236,773	0.350	4,808,303	433,118
5	16,613,499	1,243,042	0.269	4,474,015	334,751
6	20,102,333	1,249,471	0.207	4,165,203	258,890
7	24,323,824	1,256,067	0.159	3,877,218	200,217
8	29,431,826	1,262,834	0.123	3,608,342	154,823
9	35,612,510	1,269,778	0.094	3,358,260	119,740
10	43,091,137	5,155,621	0.073	3,124,107	373,783
Total	**211,380,744**	**16,347,827**		**44,091,156**	**4,097,737**

Analysis:	
NPV =	39,993,419
BCR =	10.8
IRR =	Ø 30%

Project Viability Analysis

The economic analysis in above Table shows a Ten year revenue and cost of this project at 30% discounted revenue and cost. Result obtained shows that the Net Present Value (NPV) of NGN 39,993,419,000.00 is feasible in ten years; this implies an NPV of NGN 3,999,341,900 per annum. This indicates that the present value of revenue is greater than that of cost during the ten years period under consideration thus, the business is financially viable. The result further reveal that for every NGN 1.0 invested in this business, NGN 10.8 would be generated. Results of the economic analysis also revealed that this business can even withstand interest on borrowing greater than 30% (IRR > 30%).



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