

NATIONAL SECURITY INTEGRATED LAND DATABANK
[NASILADAB] FOR NIGERIA
PRESENTED
AS TECHNICAL PAPER TO THE

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BY

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Implementations.

This Paper is one of the most challenging papers in this global community of Survey professionals. Not only does the paper fit in most perfectly to the theme of this year's conference; Surveying the world of tomorrow – From digitalization to augmented reality. It is also advocating the amalgamation of all encompassing vital data/information on LAND including Security intelligence information to a data base for reference. Hitherto our mindset have been to solving problems of boundaries, locations, land in disputes, Subdivisions, mapping and property descriptions for sundry purposes as enumerated herein. In this information and technological age we need to program our mind into producing a security induced 3 Dimensional Land Databank that will house all Land data in Nigeria including Security infrastructures data therein with a view to sending information/activity alerts to a base station for immediate attention of the relevant Security and government agencies.

A consolidated network of Surveyors with Security intelligence and ICT experts, and others in a consortium of management experts which should emerge at this conference to present a common front

GLANCE AT A GLANCE

GEOGRAPHICAL COMPONENT DATABANK

SECURITY DATABANK COMPONENT:

CADASRAL MANAGEMENT COMPONENT

COMMERCIAL/INDUSTRIAL INSTITUTIONS Database

RELIGIOUS INSTITUTIONS Database

ECONOMIC MANAGEMENT COMPONENT Database

ADMINISTRATIVE COMPONENT Database

EDUCATIONAL COMPONENTS Database

MINERAL RESOURCES Database

AGRICULTURAL COMPONENTS Database

E T C.

THE COMPONENTS ARE LIMITLESS DEPENDING ON HOW ROBUST THE DATABANK IS INTENDED.

1.0 INTRODUCTION

- ▶ I am hereby introducing National Security Intelligence Land Databank [**NASILADAB**], a multifaceted and multi-disciplinary digital intelligence gathering blueprint for consideration and adoption
- ▶ A Comprehensive **National Depository System** as a **BACKUP** for all land transactions
- ▶ A mechanism for land valuation and updating of same
- ▶ A **MULTILEVEL DATABAS**, a strong room and a warehouse where all matters that have weight and occupy space on the geographical space called Nigeria is deposited for keeps.
- ▶ Finally, this system has **built in location codes and alerts system in the Security and Safety components to help in monitoring what happens anywhere in Nigeria.**
- ▶ Close circuit TV cameras induced with Explosive detection, detonation and crime detective electromagnetic radiation devices
- ▶ A system with remote sensors laden with powerful and current detectors are also a significant feature of the National Security Integrated Land Databank [**NASILADAB**].

A digital means to locate and detect explosives

Proper international, State and Local government boundary delineation, delimitation and demarcations.

To ensure demarcation of cadastral boundaries and title holdings

To enable Individuals, corporate, and organizations possessory rights to land

To have a comprehensive repository for land title holdings and records

> A tool for veritable mechanism for land management.

> A guide and advice for urban planners and the government of both surface and underground infrastructures.

>

FUNCTIONS OF NASILADAB

- ▶ TO AMALGAMATE ALL EXISTING GIS INSTITUTIONS IN NIGERIA TO A DATABASE.
- ▶ AND ESTABLISH A COMPREHENSIVE GIS INSTITUTION FOR THE NATION
- ▶ INTEGRATING ALL THE GIS DATABASE FROM DIFFERENT COMPONENTS
- ▶ AMALGAMATION OF SECURITY GADGETS INTO A DATABASE FOR MONITORING AND SURVEILLANCE OF THE NTIRE NATION
- ▶ ENRISHING LAND RECORDS SERVICES FOR ENDURING CADASTRE DATABASE
- ▶ TO PROVIDE BASIS FOR SPARTIAL ANALYSIS

ADVANTAGES OF NASILADAB

- ▶ **ECONOMIC ADVANTAGE**
 - ▶ **TECHNICAL ADVANTAGE**
 - ▶ **RESOURCE WASTAGE/FRAUD CONTROL**
 - ▶ **PLANNING AND MANAGEMENT**
 - ▶ **BUDGETING ENHANCEMENT**
 - ▶ **MONITORING ENHANCEMENT**
 - ▶ **COST REDUCTION IN CENSUS/ELECTION EXERCISES**
 - ▶ **CRIME DETECTION AND CONTROL**
 - ▶ **VALUE ADDITION**
 - ▶ **JOB CREATION**
 - ▶ **LAND ARBITRATION**
 - ▶ **REVENUE GENERATION**
 - ▶ **STATE SECURITY ADVANTAGE:**
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PHASES OF NASILADAB DEVELOPMENT

- ▶ PHASE I: BASIC GIS
 - ▶ PHASE II: ADMINISTRATIVE GIS
 - ▶ PHASE III: COMMERCIAL/ENTERPRISE GIS
 - ▶ PHASE IV: SOCIO/ECONOMIC GIS
 - ▶ PHASE V : ENVIRONMENTAL SECURITY PROOF
GIS
- 

INSTRUMENTATIONS

- ▶ **Gripen Aircraft system**
- ▶ **Digital Mapping equipments**
- ▶ **High resolution computer hardware**
- ▶ **Relevant and latest software** for acquisition of data, storing, processing and integration of data are required for the exercise. Like **GEO-ROVER-SOFTWARE. GEO ANALYSER** a high performance browser-based application **REGIONAL SHORE INSTALLATION MANAGEMENT SYSTEM (RSIMS), ARCGIS, ARC READER, ASIMMETRICAL SOFTWARE KIT (ASK) DISTRIBUTED GEOSPATIAL INTELLIGENCE NETWORK (DGI-net)**
- ▶ **MOBILE DETECTION SYSTEMS (MDS) and Arc-IMS software** is the foundation for distribution of GIS DATA and application in the internet. **Commercial/Joint Mapping Toolkit C/JMTK**
- ▶ **State of the art global positioning system**
- ▶ **Laser and other high sensitive security devises**
- ▶ **Other high resolution CCTV cameras with detective devices**
- ▶ **Latest digital electromagnetic radiation remote sensors.**
- ▶ **Latest digital high resolution imageries of various brands will be explored for clarity of data acquired.**

NASILADAB CONSORTIUM

- ▶ As it is in financial institutions all over the world that though the bankers and the economics are the major players at the CENTRAL BANK. *The volume and enormity of the information involved in this exercise made it inevitable for experts from major fields to combine their expertise in the evolution, maintenance and administration of an endurable, dependable, Secured and Central Security LDB.*
- ▶ Though the spatial engineers or GIS experts or the Surveyors are to produce the basic and primary database framework which other professionals built upon, they are also very vital to the maintenance and hence must team up with others as permanent custodian of this treasury of information.

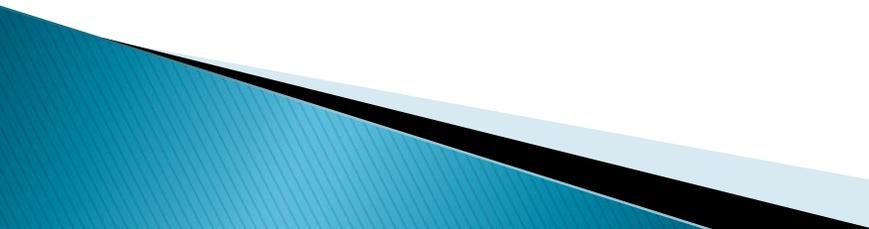
MAJOR PROFESSIONAL PLAYERS IN NASILADAB

- **NATIONAL SPACE RESEARCH AND DEVELOPMENT AGENCY [NASRDA]:** The custodian of National Geo-information NGI policy. They are to provide Satellite data/information at stipulated cost per use.
- **GEODESTS, LAND SURVEYORS/SPATIAL ENGINEERS:** To provide spatial data like controls, cadastral framework, topographical information, As-built Surveys.
- **REMOTE SENSING EXPERTS:** They interface with the Security infrastructural facilities.
- **ESTATE SURVEYORS:** They provide ownership and valuation reports for integration.
- **GEOLOGIST/ ENVIRONMENTAL SCIENTISTS:** They supplies mineral deposit data for integration.
- **URBAN AND REGIONAL PLANNERS:** They design of modern City Architecture, Urban renewal etc.
- **ICT EXPERTS:** To interface the digital map with the security infrastructure.
- **IT SECURITY EXPERTS:** To provide digital security infrastructures nationwide
- **Community Relation experts and marketers:** They interface between the government and the people.
- **QUANTITY SURVEYORS:** To provide estimated cost of infrastructures like bridges, roads, Dams.
- **GEOGRAPHERS/GIS/PLANNING EXPERTS:** To integrate the economic/social

•RESEARCH AND DEVELOPMENT TEAM

- ▶ NASILADAB ICT TEAM
 - ▶ NASILADAB MARKETING/MEDIA TEAM
 - ▶ NASILADAB TRAINING TEAM
 - ▶ COMMUNITY RELATIONS REVENUE CONSULTANCY TEAM
 - ▶ MANAGEMENT TEAM OF NASILADAB
 - ▶ SUGESTIONS ON THE MANAGEMENT TEAM
 - ▶ TECHNICAL TEAM
 - ▶ BOARD OF DIRECTORS
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FUNDING

- ▶ THIS SYSTEM IF WELL ARTICULATED BY FIG CAN BE FUNDED BY IMF, WORLD BANK ETC
 - ▶ IT MAY ALSO ATTRACT THE ATTENTION OF THE UNITED NATION OR ITS SUBGROUP ON ENVIRONMENT AND SECURITY.
 - ▶ **COST/BENEFIT CONSIDERATIONS:** This concept is money spinning machine for the governments and array of individuals and corporate bodies involved in all ramifications.
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ORGANOGRAM [NATIONAL, STATES AND LG LEVELS

- ▶ ITS UNIQUENESS LIES IN ITS ABILITY TO REDUCE OVERHEAD COST TO THE BEAREST MINIMUM
 - ▶ IT COMBINE MANY AGENCIES TO ONE FORMIDABLE BODY TO CUT COST OF GOVERNANCE
 - ▶ THE ORGANOGRAM IS ALL EMBRACING AND WILL PUT ALL THE DIRECTORS TO WORK AT THEIR AGENCIES/PARASTATALS
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SUMMARY:

- ▶ **.NASILADAB IS LAND RESOURCE LIBRARY WHERE ALL LAND ENQUIRIES ARE ANSWERED**
- ▶ **IT PROPOSES A SECURITY PROOF ENVIRONMENT USING THE LATEST DIGITAL AND INFORMATION TECHNOLOGY.**