Sivan Design
Corporate Overview

**Founded**
- Founded in 1996 privately held

**Core Business**
- GIS integrated IT turnkey solutions
- 3D simulation and visualization software
- Large scale mapping
- Surveying, mapping and Civil Engineering software

**Products and solutions**
- GeoERP is a GIS based IT solution suite for the management of a country’s most viable resources
- Civil Simulate – 3D simulation at a click
- CivilCAD 2012 – civil engineering software suite

**Worldwide Locations**
- USA, Israel, Canada, Romania, Nigeria, Portugal, India, Belgium, China, Kenya, Ghana, Ethiopia, Uganda

**Solid Financial Backing**
- 15% Yearly Revenue Growth

**Strategic relationships**
- Autodesk
- Microsoft
- BRICSYS
LAPS – Land and Property System
Past Experience

LAPS was implemented in the following States in Nigeria:

- Kaduna
- Plateau
- Niger
- Benue
- Kwara
- Nasarawa
- Bauchi

Each project included implementation of:

- Network and satellite internet
- Hardware installation
- Customized LAPS software
- Data gathering and processing
- Training, support and maintenance
**Background**

“30% of a developed country economy is based on real-estate transactions”
(Source – world bank)

- Land titling and registration unlock DEAD CAPITAL in land.
- Our target - To guarantee title to land and engender confident market transactions in landed properties.

**LAPS highlights**

- LAPS can issue **New Titles**, process **Re-Certification** of Existing Titles and handle **Sub-Transactions** such as Sub-Lease, Assignment, Mortgage etc.
- The system enables easy **Storage, Retrieval and Processing** of titles. Auditing and accounting **Reports** can automatically be generated and **Legal Searches** can easily be conducted.
- A **GIS (Geographic Information System)** integrated module enables linkage between the Geographical plot of land boundaries and its ownership information.
- Advanced **billing module** provides an intuitive tool to manage all land related financial transactions.
- LAPS is the only system in Nigeria which was implemented both in Federal level (FELIS) and in 6 States so far: Kaduna, Benue, Kwara, Plateau, Nasarawa & Niger.
System benefits

• Support resolution of land disputes and encroachments which were normally resort in legal disputes in the past
• Increase the state revenue generation
• Boost the economy for both banks and individuals through mortgage and real-estate loans
• Speed-up the process of land related transactions
• Support town planning, development control and industrial development

Challenges for best practice

• Implementation: fear of change, acceptance of computerized systems, definition of new roles and taking ownership on the system and content
• Build citizens trust
• Internally Generated Revenue (IGR) – debt collection
• Mapping - source of revenue generating land plots is small
• Legal Framework – traditional rulers cooperation
• Infrastructure – Internet and electricity
• R&D – flexible design to fit Nigeria requirements and
• Manpower and capacity building – Handing over to operations, Motivation plans!
• Long term contracts/ PPP model – Maintenance & support
Summary

- Land registration is a basic element in the foundation of a state/country.
- Computerization of the Land Registry and titling process has a major role in creating a unified and harmonized land depository at both the state and nation levels.

And now for a live demo...

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Where CAD and GIS Meet 3D

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