

# GlobalVox

Public Sector Profile





**GLOBAL VOX**

*Large, mission-critical government projects continue to be a strong area of focus for GlobalVox.*



**Uganda (Africa)**  
Land Governance  
Buganda Land Board (BLB)

**Kenya (Africa)**  
Watchlist Screening  
Kenya Trade Network Agency (Kentrade)

**Mexico**  
Land Governance  
Cartography

Country of implementation : Uganda (Africa)

Department : Buganda Land Board (BLB)



## Objective

- Digitization of land records to contain corruption and other illegitimate claim of lands
- Build a digitized land title and identity vetting solution in the Kingdom of Buganda (Uganda), aka The Digital Land Electronic Registration & Compliance System.
- Land titles have been held onto in the traditional manner, between tribes, owners, leaseholders and traditional grants for a multitude of years in remote areas and up country - the intent is to eventually have all of them subscribe to this platform.
- Ensuring a secure land title for every landowner
- Enabling biometrics-based land title verification
- Digital land records for ease of transactions
- Land registry and land board MIS integration for the use of digital records across the system
- Enabling the system to be used for land sales, transfers, change of use and other transactions
- Providing ease of payment using m-PESA (mobile money) capabilities
- Add additional services over time



Country of implementation : Uganda (Africa)

Department : Buganda Land Board (BLB)

### Scope

- Cover all land-owners in the Kingdom, estimated at up to 5 million.

### Solution Delivered

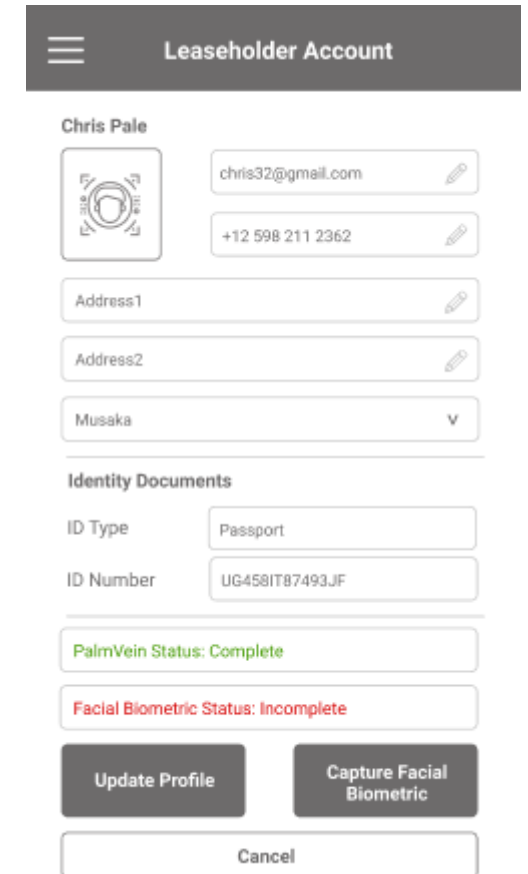
- We created an LE Card (Land Electronic Card) for each land-owner
- This card was an RFID card with a unique identifier
- The identifier was linked to the land-owner via biometrics (face recognition, finger-print and palm vein records)
- Interface 1: Mobile application for land-owners
- Interface 2: Mobile application for field-executives – which are executives of the government to collect taxes, map land parcels and more
- Interface 3: Web based admin panel to manage all land records, allocate geographies to field executives, manage tax collection
- Interface 4: Biometric integrations



Country of implementation : Uganda (Africa)  
Department : Buganda Land Board (BLB)

### Innovation & Integrations

- Introduction of palm vein technology (patented by Fujitsu) – far advanced as compared to fingerprints.
- Inhouse developed facial recognition technology
- Integration with banks where-by showing the LE Card and palm vein (and/or facial recognition) ownership of a land parcel is established. This can be then utilized to issue loans to the land-owners.
- Setup of small kiosks with hardware to register, capture facial biometrics, capture palm veins and fingerprints and finally print a Land Electronic RFID card on the spot.

A screenshot of a mobile application interface for a "Leaseholder Account". The page is titled "Leaseholder Account" and shows the profile of "Chris Pale". It includes fields for email (chris32@gmail.com), phone number (+12 598 211 2362), and two address fields (Address1 and Address2). There is a dropdown menu for "Musaka" with a downward arrow. Below these fields is a section for "Identity Documents" with fields for "ID Type" (set to "Passport") and "ID Number" (set to "UG458IT87493JF"). At the bottom, there are three buttons: "Update Profile" (dark grey), "Capture Facial Biometric" (dark grey), and "Cancel" (white with a grey border). The status of biometric capture is shown as "PalmVein Status: Complete" in green and "Facial Biometric Status: Incomplete" in red.

Leaseholder Account

Chris Pale

chris32@gmail.com

+12 598 211 2362

Address1

Address2

Musaka v

Identity Documents

ID Type Passport

ID Number UG458IT87493JF

PalmVein Status: Complete

Facial Biometric Status: Incomplete

Update Profile Capture Facial Biometric

Cancel

Country of implementation : Kenya (Africa)  
Department : Kenya Trade Network Agency (Kentrade)



## Introduction

- Kenya Trade Network Agency (KenTrade) is a State Corporation under the National Treasury established in January 2011 to establish, implement and manage the National Electronic Single Window System (KenyaTradeNet System) and to facilitate trade.
- Kenya TradeNet System is an online platform that serves as a single entry point for parties involved in international trade and transport logistics to store documents electronically, for processing, approvals and to make payments electronically for fees, levies, duties and taxes due to the Government, on goods imported or exported in the country.



Country of implementation : Kenya (Africa)  
Department : Kenya Trade Network Agency (Kentrade)

### Scope & Objective

- Develop a **Watchlist Screening** platform for the Kenyan Trade Lobby (**Kentrade**) to rapidly identify individuals against multiple national and international lists.

### Solution Delivered

- Watchlist Screening (Individual Entity)
- Single and Multiple Screening
- Quick Search
- Subscription Model
- Watchlist management
- Screening History Management
- Sub-user management





## Country of implementation : Mexico

### Department : Progresso County – Cartography & Property Tax Department

#### Introduction & Scope

- There are hundreds of counties in Mexico where less than 50% of the properties are registered for tax. This causes huge revenue loss to the Property Tax department.
- Also a very high %age of these properties have wrong purposes. For eg. a piece of land with a office building on it – would be showing as an open parcel of land in the department records. This also results in revenue loss.
- Also the current software system used by the department was 20+ years old and desktop based (developed in visual pro). The executives literally move data from one computer to the other using pen drives or over local network.
- The scope was to redesign the entire software – also develop mechanisms to capture maximum territory under tax bracket. Additionally it was to be made sure that the registered purpose of the property and the actual usage of the property are in sync.
- We had to develop the catastro software, finance department software, public registry software integrations and a smart card.



# Technology Spectrum

- JAVA : Spring boot, Spring and Struts frameworks
- Blockchain : Hyperledger, Solidity, Solana (NFT, Exchanges, Smart contracts)
- Angular : Angular 2 till latest Angular 10 – all versions
- React JS
- HTML/CSS/JS : LASS/SASS/CSS/HTML5 etc.
- Oracle : EBS, PeopleSoft, Oracle DB, Oracle APEX and Oracle Apps
- Managed Cloud Infrastructure – Azure, AWS, GCP, OCI
- Server hardening and performance tuning
- SAP – ECC, S4H, S4HC, C4C
- Mobile Development – Android, iOS, Cross Platform

**ORACLE®**  
Cloud Infrastructure



  
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Applications

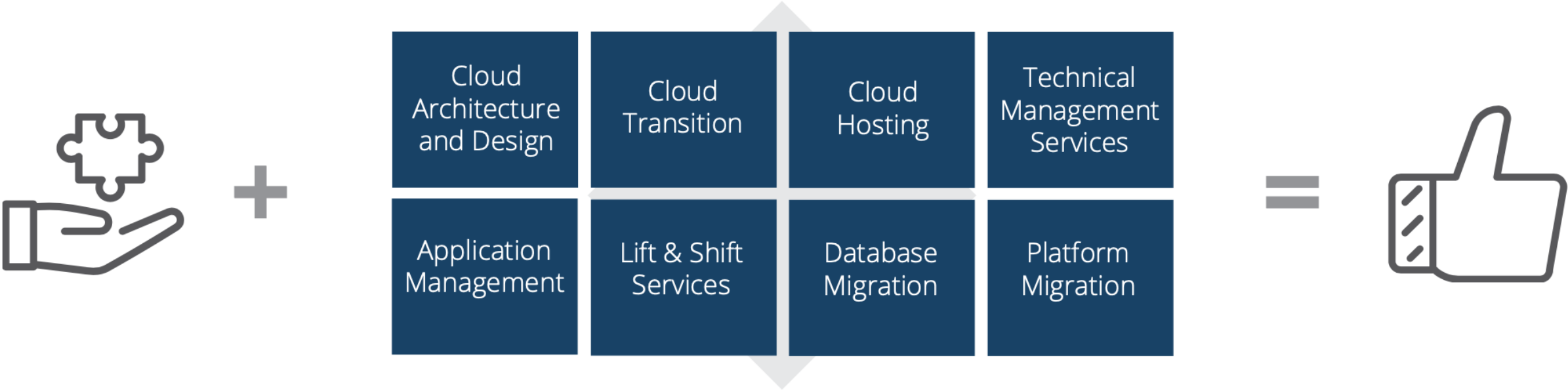
**12** **ORACLE®**  
E-Business Suite



**ORACLE®**



# GlobalVox : Cloud Expertise



## CLIENT CLOUD STRATEGY

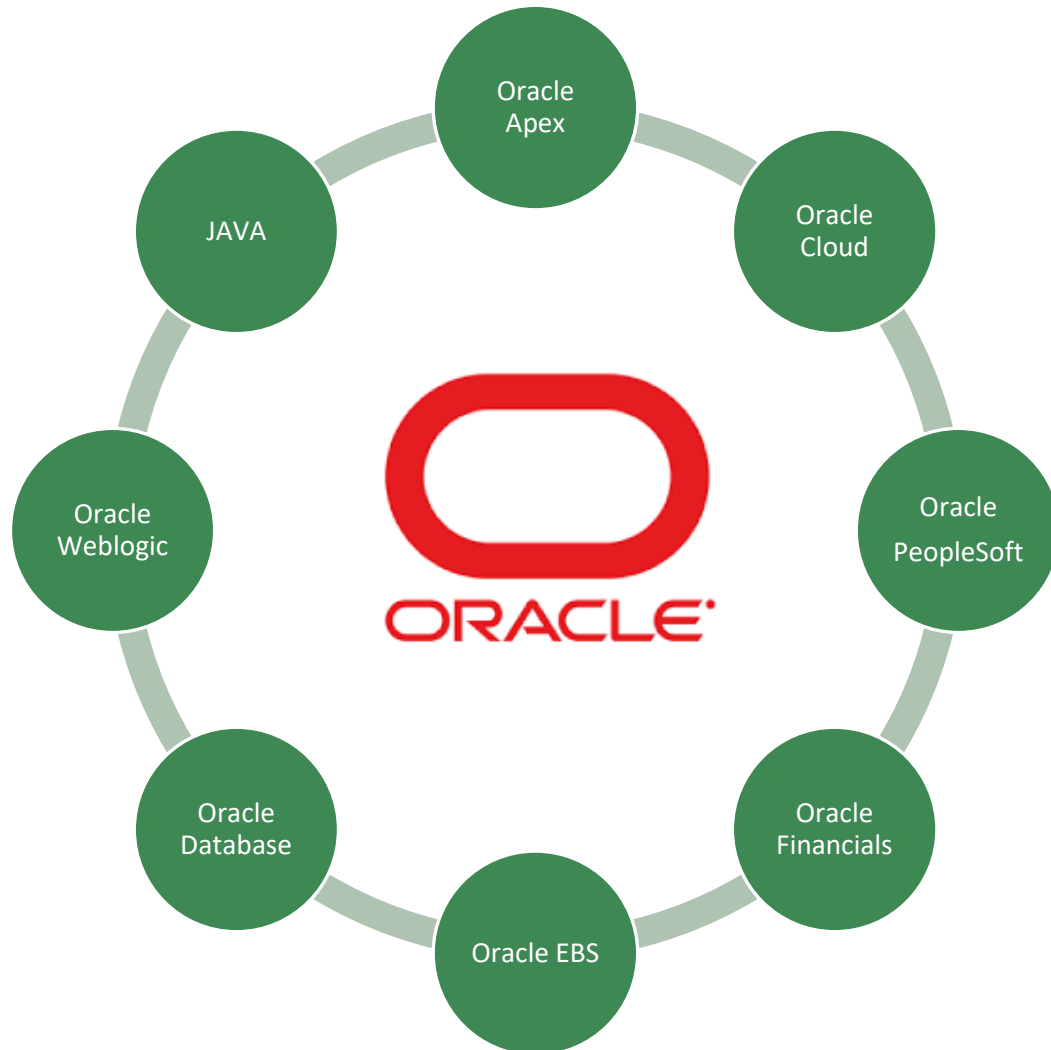
## OUR SERVICES

## SUCCESS

Using our services and proven approach, we can provide you with the capacity and capability to effectively keep your applications aligned with your business strategies.



# GlobalVox : Oracle Expertise

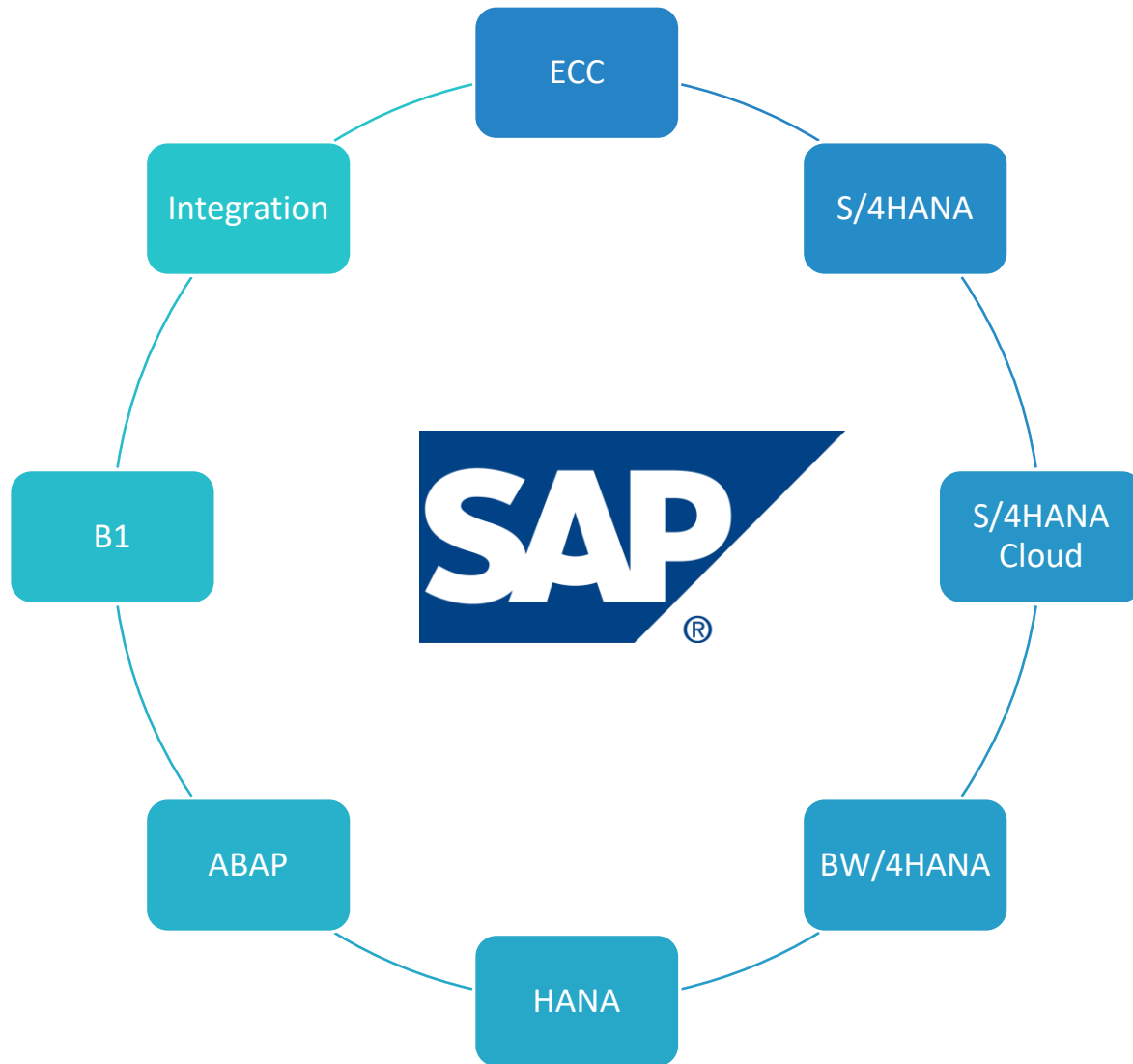


GlobalVox has been an Oracle Gold partner for more than 5 years now. Our expertise in the Oracle domain covers the following and more –

- Oracle Cloud Infrastructure
- Oracle Financials
- Oracle Apps
- Oracle E-Business Suite
- Oracle PeopleSoft
- Oracle WebLogic
- Oracle Database
- JAVA
- and more..

- **20+ Oracle certified professionals**
- **10+ Java certified professionals**

# GlobalVox : SAP Expertise



GlobalVox is a SAP silver partner. Our expertise in the SAP domain covers the following and more –

- *SAP ECC*
- *SAP S/4HANA*
- *SAP S/4HANA Cloud*
- *SAP BW/4HANA*
- *SAP HANA ABAP Development*
- *SAP Integration*

and more..

- ***40+ Experienced SAP consultants***
- ***20+ ABAP professionals***

# GlobalVox : Blockchain Expertise



**Hyperledger** : Private, permissioned enterprise blockchain solutions for businesses

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**Solidity** : Highly-compatible smart contract-based decentralized applications (dApps)

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**BitCoin** : Bitcoin based applications based on BitcoinJ (java based BTC library)

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**Steem** : Decentralized Social Networks based on Steem Blockchain

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**BSC** : Decentralized apps based on Binance Smart Chain

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**ERC20** : Ethereum based token development for any business case

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**ERC-721, ERC-1155, ERC-998, and TRC-721** : NFT Development

- Over the last 3 years, we have got a considerable experience in building blockchain based applications.
- We have inhouse team of blockchain developers.
- We started with building a peer to peer crypto exchange in 2017, similar to the very popular exchange localbitcoins.com
- We have worked on NFT platform
- We have worked on Defi – lending platform
- We have worked on a crypto-investment and staking project
- We are currently working on a decentralized social network based on HIVE/STEEMIT blockchain
- *Experienced BitcoinJ, Solidity, Solana (RUST), Hyperledger developers.*

# The Top Management Team



**KUNALSINH VAGHELA**

CEO



**PRATIK JAIN**

Director



**DEAN KERSHAW**

Chief Of Staff



**HIREN BHIMANI**

VP – ERP Business



**VIKRAM PATEL**

Chief of network & security



**PANKAJ PATEL**

Head of Cloud Infra

**Thank you**