

LAND PROPERTY REGISTRY

APPLICANTS:

- (1) Department of Information Technology in St. Kitts
- (2) Ministry of Science, Innovation and Technology in Barbados (MIST)

COUNTRY OF INCORPORATION:

- (1) ST. KITTS
- (2) BARBADOS

BENEFICIARIES / SUPPORTING AGENCIES / PROJECT PARTNERS

LAND REGISTRY DEPARTMENTS and Vehicle Registry

DESCRIPTION OF APPLICANT

- (1) The Department of Information Technology St. Kitts is an agency within the Ministry of Justice, Legal Affairs and communication. Their mandate is to provide technical, project management and compliance support regarding National ICT initiatives and policy directives for the government of St. Kitts and Nevis.
- (2) The Ministry of Science, Innovation and Technology of Barbados is the Ministry of Barbados with the mandate to digitally transform Barbados, to improve the ease of doing Business thus creating a SMART Barbados. The Ministry serves as the defacto project managers, implementation strategists and backbone for all digital projects across all Ministries of Government in Barbados.

BLOCKCHAIN APPLICATION

Certification and credentials

CHALLENGE PRESENTED

Vehicle Registry

Unregistered vehicles remain on the roads of Barbados owing to a lack of a real time system that integrates The Licensing Authority, Customs, The Police, Insurance, Banks, Car Dealerships and Citizens who are Automobile Owners. The Stakeholders (Government) needs a real time solution to track vehicles from import to destruction and transfers of ownership.

Land Registry

In the Caribbean Region, the process of Land Registry is not formalized and with most islands transitioning to Cloud Based storage and online repositories for administration, Paper Deeds and the absence of historical data presents a significant challenge. Ideally a mapping system in conjunction with a Land Registry System will protect owners through a new validation system that is more secure than Paper Titles, Easy to search and access in the processing of sales or should a disaster strike and insurance implications include validation documents.

SUMMARY OF READINESS TO PARTICIPATE

- (1) The agency has completed some preliminary research through engagement with Deloitte and other vendors. The preliminary feedback has solely been document based - they would prefer a pilot or further proof of concept experience.

Whilst there is no cash support available they are willing to provide support through staff and researchers and have indicated that there is a commitment towards the development of the country's digital identity and the need to improve the provision of secure and confidential services and transactions.

- (2) MIST has issued a public tender on behalf of the Barbados Licensing Authority to implement an electronic registration system for vehicles. There has also been a strategy document implemented that outlines the islandwide deployment. The Budgetary Allocation for this project is BBD\$400,000.00 with a commitment of (4) staff members from Barbados Licensing Authority to be dedicated to this project.

They have determined that the Blockchain solution should support:

- (1) The registration and licensing of vehicles - from import to destruction inc. change of ownership.
- (2) The verification of ownership
- (3) The credentials of a vehicle (eg. insurance status and road worthiness)
- (4) A "read only" access to the Police, Insurance and Banking industries for administrative purposes i.e. sale of vehicles, attainment of insurance, identification and interrogation by law enforcement of vehicles.

Research has suggested an approach to tie the identification of a vehicle to the licensing credential should be devised (i.e. Digital vehicle ID tied to License plate or other forms of digital tags) to be generated and allocated from the point of import on shipping manifest.