SOLUTION
LAND TITLES

VERIFIED. DECENTRALISED. SECURED.
WWW.VERIDOCGLOBAL.COM
OUR AIM IS...

“A world without counterfeit and fraud.”

Who We Are

VeriDoc Global is patent protected Quick Response (QR) Code verification solution using public-key cryptography and Blockchain Technology, providing antifraud / hack proof document verification that ensures 100% document security.
VeriDoc Global solution across multiple industries with the implementation of smart contracts.
We Are Worldwide

BRISBANE | NEW YORK CITY | HYDERABAD | SINGAPORE | DAR ES SALAAM | SWATAR

6 COUNTRIES 120+ TEAM MEMBERS 12 SOLUTIONS
Veridoc Global has developed a verification system that leverages blockchain technology and smart contracts. Our solution allows you to verify that the land deed you are looking at is the true and correct deed.
The Problem:

Fake land titles are usually copies of genuine land titles made by unauthorised persons. There is currently no way of quickly verifying if the land title you are looking at is a true and correct document. With tools such as Photoshop and Canva readily available, editing a document has never been easier.

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CASE STUDY.

Squatters can also try and claim land by building a structure on it, such as a house and then putting the structure to use by moving their family into the house and residing there. To try and combat this practice, land owners are encouraged to fence off their land and secure the deeds so that they can prove ownership.

The Solution:

VeriDoc Global has developed a solution that involves embedding a QR code on a land title with a unique digital hash inside the QR code.

The hash holds a string of information that is then placed on the blockchain network for security, verification and most important end user validation.
Key Features:

**FOREFRONT OF DOCUMENT SECURITY**
Data is immutable on blockchain and can’t be breached via an attack on a single server or database.

**REDUCTION IN COSTS**
Governments and businesses save time and money lost each year due to document fraud.

**INCREASED TRANSPARENCY**
Eliminates the ability for fraudsters to create fake land titles.
Fake land titles are usually copies of genuine land titles made by unauthorised persons.

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VeriDoc Global has developed a solution that involves embedding a QR code on a land title with a unique digital hash inside the QR code.

The hash holds a string of information that is then placed on the blockchain network for security, verification and most important end user validation.

**Our solution allows you to verify that the Land title you are looking at is the true and correct document.**
How Does it Work?

Using any QR reading app, hold your device over the QR code of Land title and it will scan it.

The app will show you the true and correct Land title for you to compare and see if the document is an original or a fake.
How does the Hash Value work?

The system looks at the hash value inside the QR code.

Then checks the hash value on the blockchain.

The system displays information and identifiers that are linked to the hash value.
QR codes are a type of matrix barcode or two-dimensional barcode.

A standard QR code can hold up to 3Kb of data, compared to a standard barcode which holds less than 100 characters.

VeriDoc Global uses a unique digital hash value that is stored on the QR code. When a QR code reader is used to scan the QR code, the system looks at the unique hash value and then checks that value on the blockchain. The system verifies that the hash value exists on the blockchain and then displays the information that is linked to the hash value.

This significantly improves supply chain management because blockchain technology prevents the data and the QR code from ever being changed or removed.
What if someone copies the QR code?

THE VERIDOC GLOBAL PROTOCOL DETERS COUNTERFEITERS FROM COPYING A QR CODE AND ALSO PREVENTS THEM FROM USING THEIR OWN QR CODES.

Success factors:

1. Each document has a unique hash value and can't be verified in two places at once. If the data collected reports this occurrence, the QR code for the banknote can be blocked or put into quarantine.

2. The VeriDoc Global QR code reader allows the RBA to have 100% control over the QR codes that are verifiable. Counterfeiters who try to replicate the process with their own QR codes will not be able to get past the security checks that take place using the VeriDoc Global app.
What About RFID Chips?

There is no doubt that RFID technology has many benefits, however RFID also has its vulnerabilities.

1. RFID chips use “contactless technology” which means that data is transferred over the airwaves. There is plenty of evidence that shows that RFID tags can and have been hacked.

2. RFID tags can be read without your knowledge. Unlike magnetic strips and QR codes which need to be swiped or scanned, anyone with a RFID tag reader can read your RFID tag without you knowing.

3. RFID tags can be read from greater distances. Most RFID systems are designed so that the distance between the tag and reader is kept to a minimum. However, a high gain antenna can be used to read tags from greater distances which leads to privacy issues.
DOCUMENT
PRODUCER AND
VERIFICATION FLOW
Producer Flow

1. CREATE A LAND TITLE
   Government creates a land title.

2. GENERATE QR CODE
   VeriDoc Global generates a unique QR code and places the QR code inside of the land title.

3. GENERATE PDF IN CLIENT’S SECURED SERVER
   VeriDoc Global generates a PDF from the new document and stores this on the client’s secured server.

4. GENERATE UNIQUE HASH VALUE ON BLOCKCHAIN
   VeriDoc Global generates a PDF from the new document and stores this on the client’s secured server.

5. POPULATE THE DATABASE
   VeriDoc Global populates a database with the unique hash value, blockchain transaction record and URL of the PDF (to preview the original land title).
Reader Flow

1. **QR CODE READER**
   Passport is scanned using a QR code reader.

2. **PREVIEW ORIGINAL LAND TITLE**
   User is redirected to a secure VeriDoc Global webpage that displays the unique hash value, blockchain transaction record and preview of the original product record.

3. **VISUAL INSPECTION**
   User validates the authenticity of the land title by visual inspection.

4. **VALIDATE HASH VALUE ON BLOCKCHAIN**
   Customer may validate the unique hash value on the blockchain and verify that the digital signatures are identical.

5. **INFORMATION UPDATE**
   The QR code can be updated with additional information showing that the land title has changed to a new owner (optional).
THE FUTURE OF LAND TITLES SECURITY