VERIDOC
GLOBAL

SOLUTION
DOCUMENTS

VERIFIED. DECENTRALISED. SECURED.

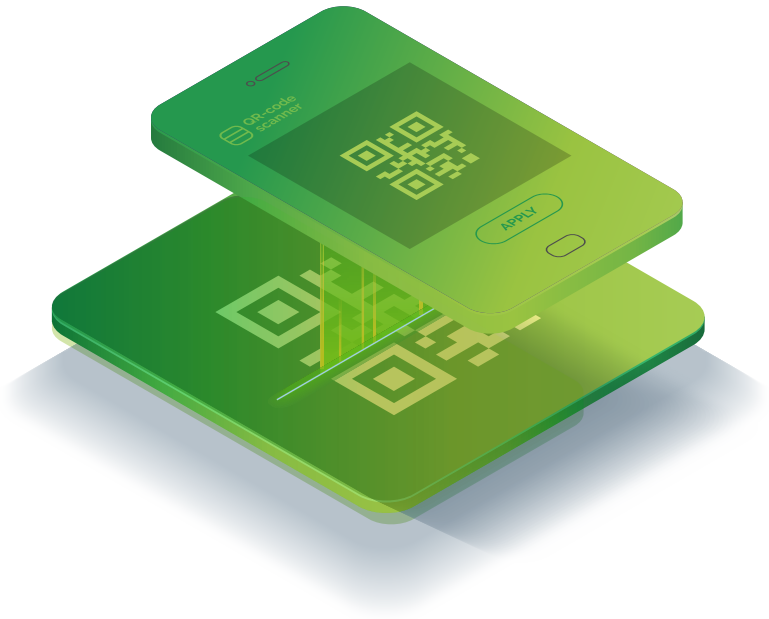
WWW.VERIDOCGLOBAL.COM

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.



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VeriDoc Global solves problems across **multiple** industries with the implementation of **smart contracts.**

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We Are Worldwide

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

6
COUNTRIES

120+
TEAM MEMBERS

12
SOLUTIONS

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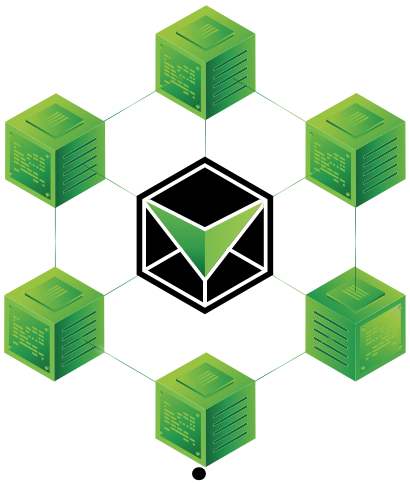
Reader



Issuer

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

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The Problem:

There are many documents that we take for granted everyday that are subject to document fraud. **Graduation certificates, mortgage documents, legal documents, employment contracts, medical certificates and insurance contracts are just some examples of documents caught up in fraudulent activity around the world each year.**

There is currently no way of quickly verifying the document.

CASE STUDY.
Fake educational qualifications for example have been linked to deaths when people have been put at risk under the care of unqualified doctors and surgeons. Insurance claims have been turned down with no avenue for the client to verify that their insurance policy hasn't been changed over time without proper notice.

The Solution:

VeriDoc Global has developed a solution that involves embedding a QR code on a document 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.

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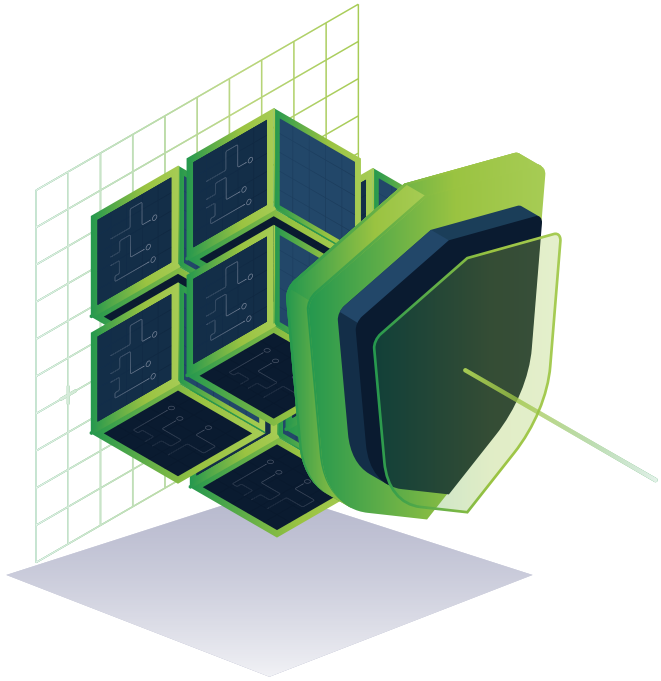
Key Features:



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 SAFETY

Employers can now verify that employees have the qualifications needed to fulfil their work duties and responsibilities.

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VERIDOC GLOBAL **SOLUTION**

Fake documents are usually copies of genuine documents or illegally modified genuine documents made by unauthorised persons.

There is currently no way of quickly verifying if the document 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.

VeriDoc Global has developed a solution that involves embedding a QR code on a document 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 document you are looking at is the true and correct document.

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How Does it Work?

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

The app will show you the true and correct document for you to compare and see if the document is an original or a fake.

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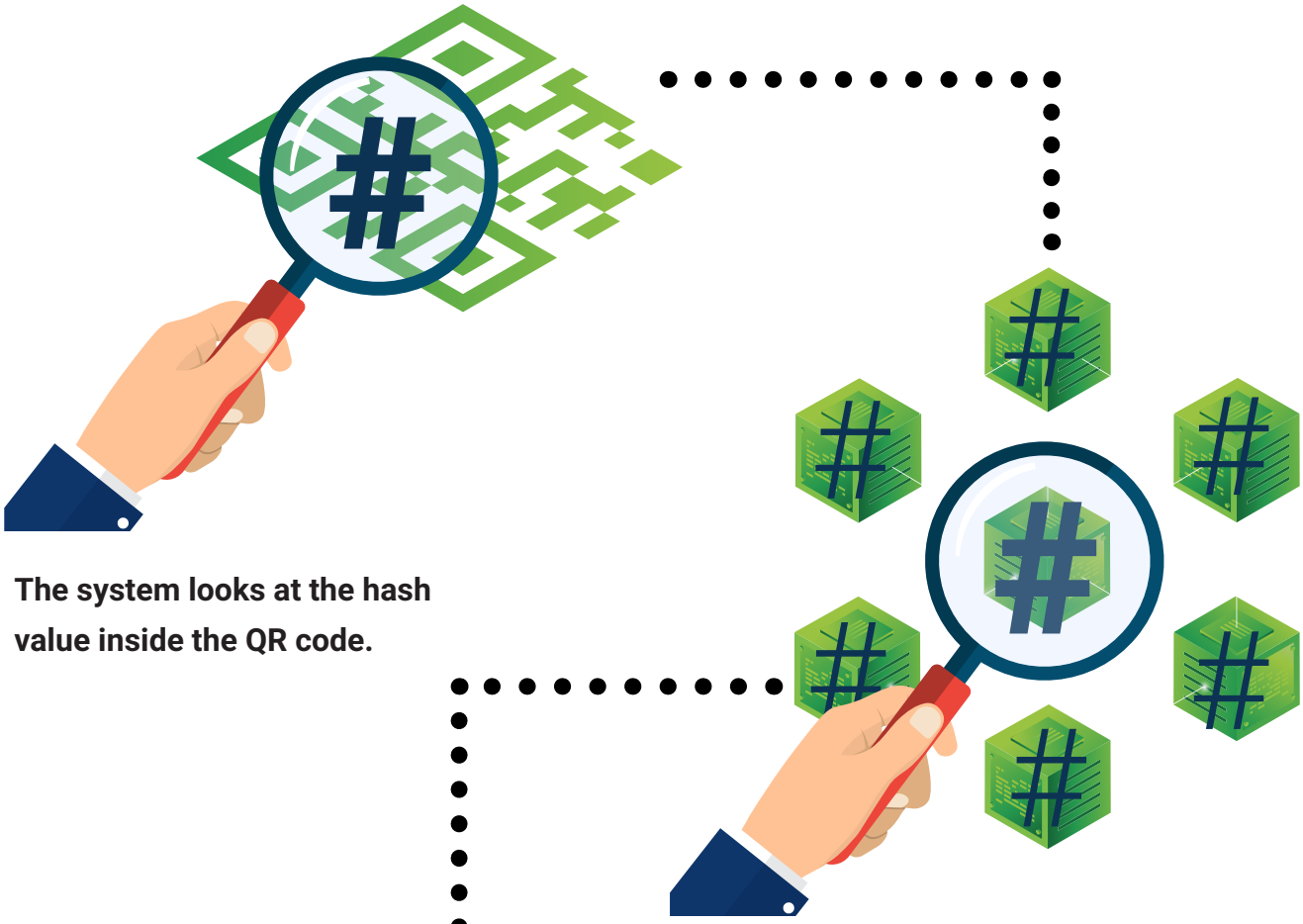
How does the **Hash Value work?**



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.

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How does the **QR Code work?**

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.

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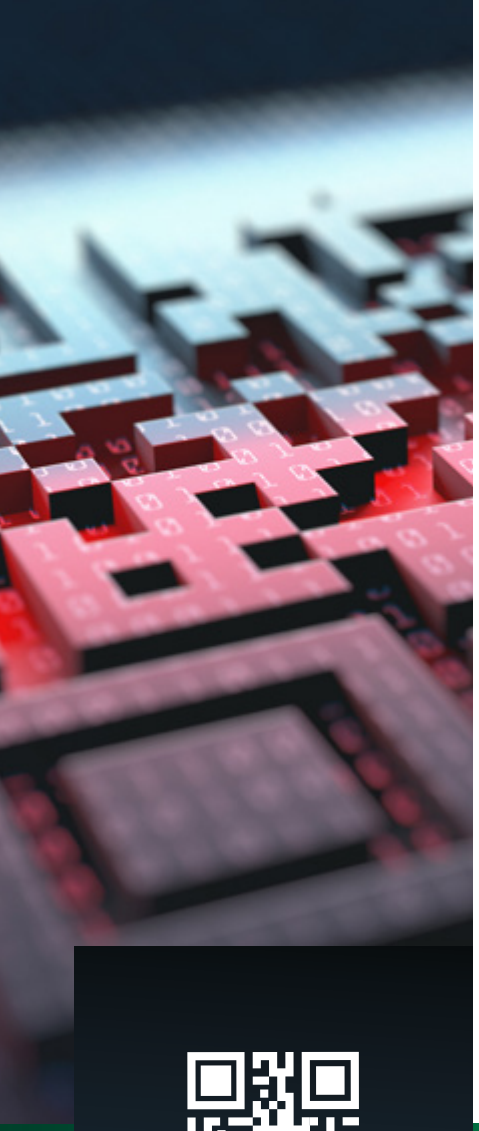

What if someone copies the QR code?

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.

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What About RFID Chips?

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

Some of the reasons why RFID technology is so vulnerable:

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.

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Document Producer and Verification Flow

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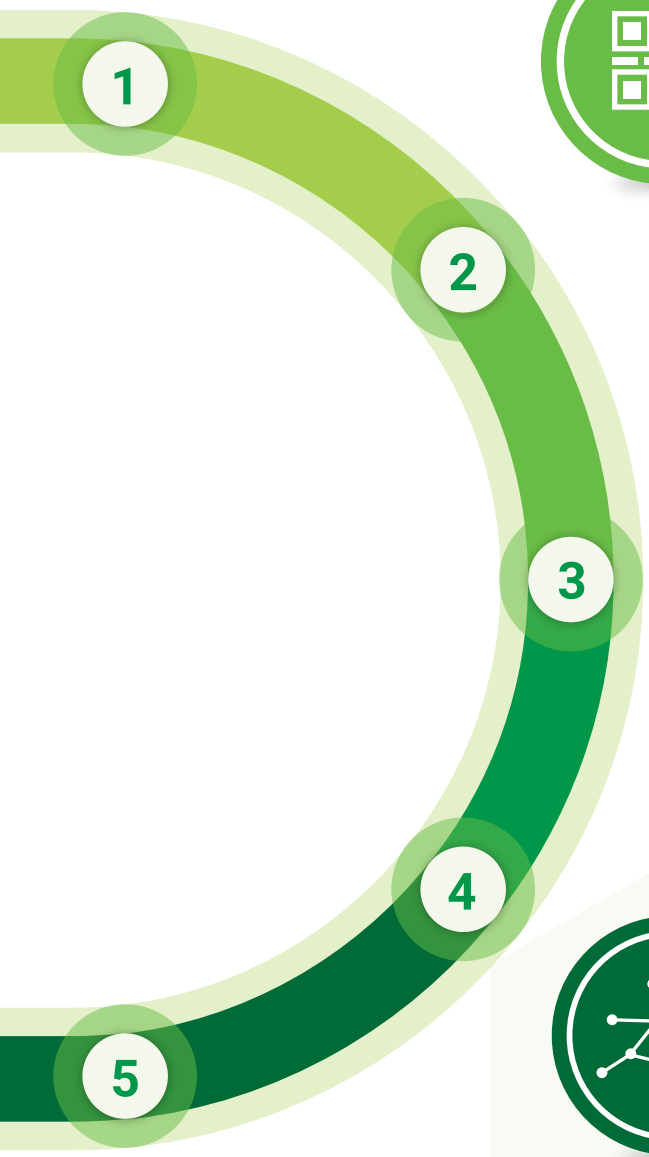
Producer Flow



CREATE A DOCUMENT
Issuer creates a document.

GENERATE QR CODE
VeriDoc Global generates a unique QR code and places the QR code inside of the document.

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.

GENERATE UNIQUE HASH VALUE ON BLOCKCHAIN
VeriDoc Global generates a unique hash value for the document and places this on the blockchain.

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

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Reader Flow

QR CODE READER
Document is scanned using a QR code reader.

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 document original.

VISUAL INSPECTION
User validates the authenticity of the document by visual inspection.

VALIDATE HASH VALUE ON BLOCKCHAIN
User may validate the unique hash value on the blockchain and verify that the hash values are identical.

INFORMATION UPDATE
The QR code can be updated with additional information showing amendments to the original document (optional).

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