

Digitisation Solution for Electronic Data Capture

Mobile Scanning Solutions



— OBS —
ODIUMBA BUSINESS SOLUTIONS





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OidiumBA- Digitilisation Solutions

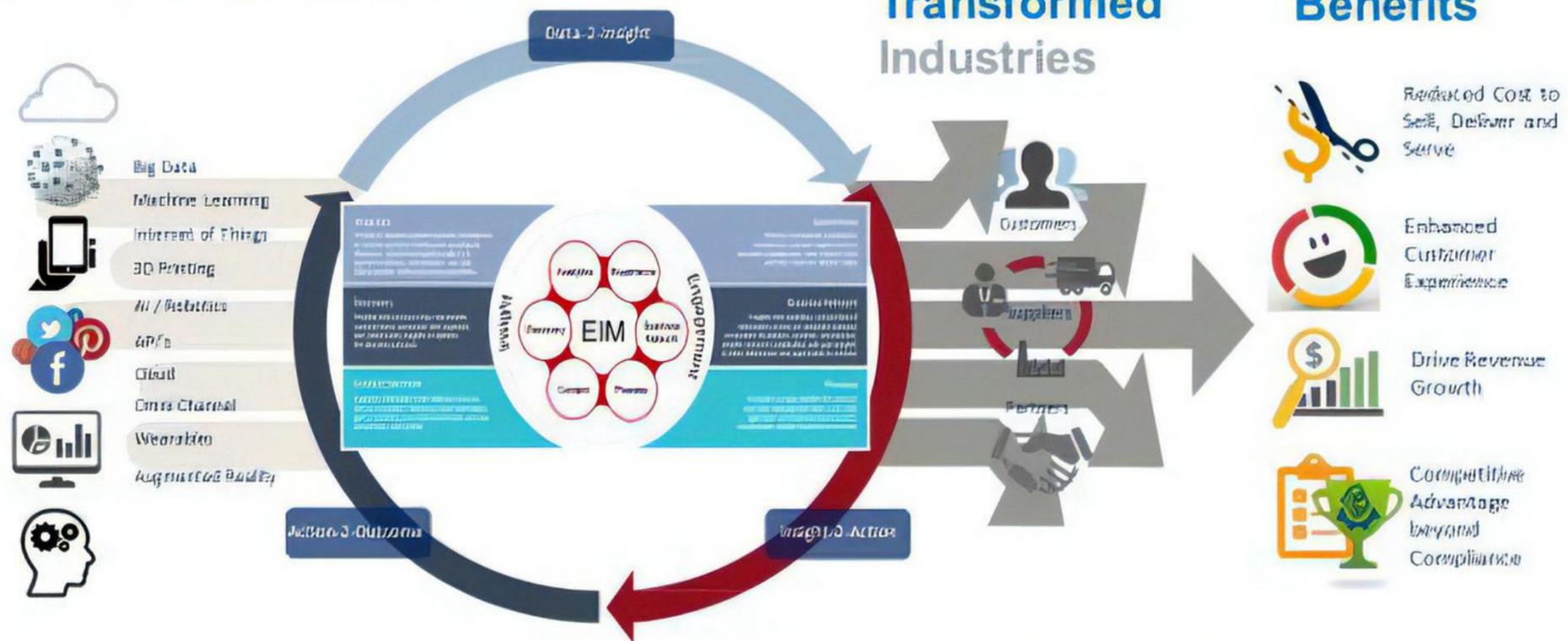


New and bespoke Data Capture solutions that will save you money and time

Organisations have for a prolonged period of time, been struggling with poor performance and management relating to completeness and accuracy of its various transaction support files and records.

THOUGHT LEADERS THROUGH DIGITAL TRANSFORMATION

Innovate, Disrupt, Transform

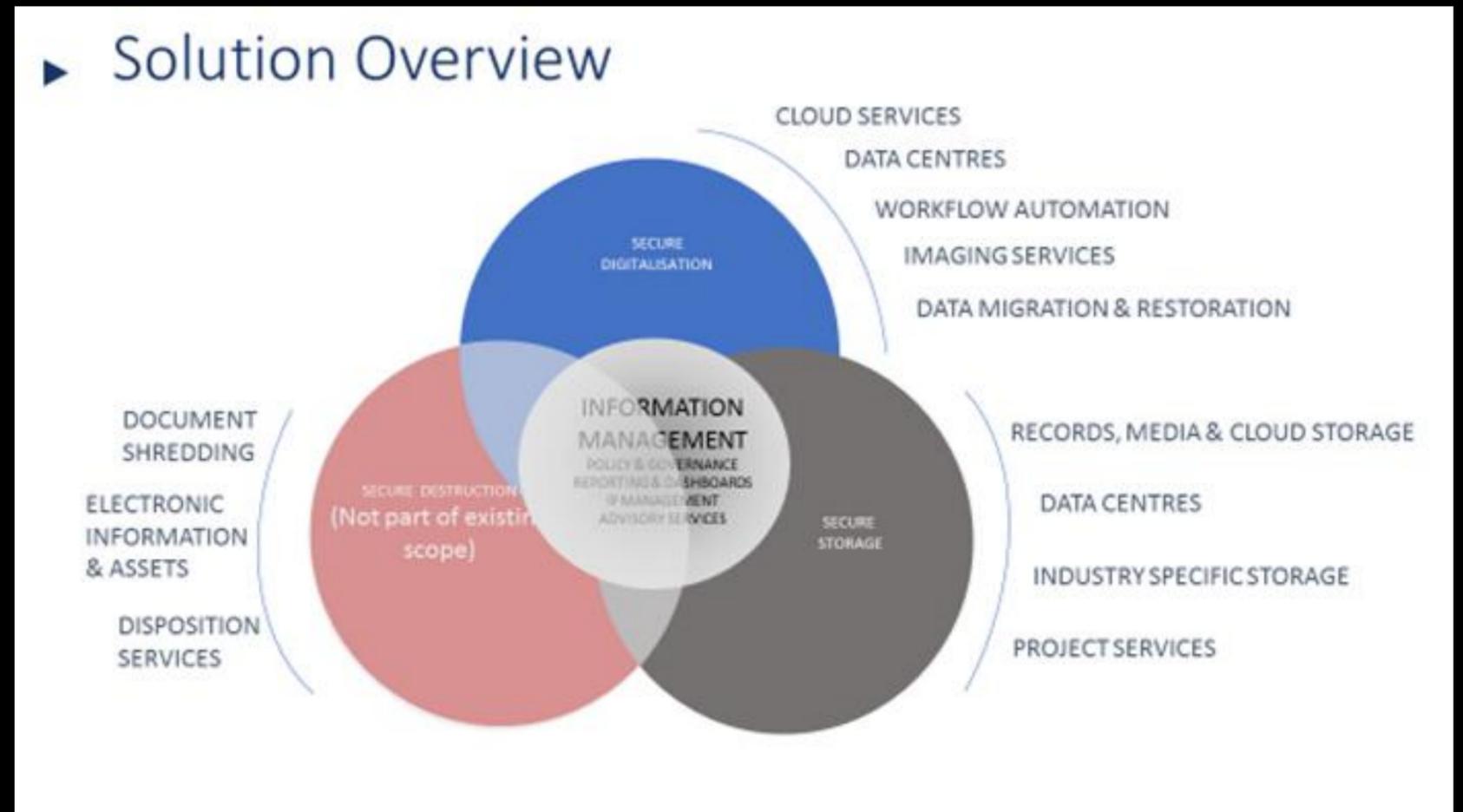


Industry Knowledge | Strategy Consulting | Business Process Mng | Technical Enablers | Custom Development | Journey Mng



What do we offer?

An Electronic Information Management solution is devoted to the management of information in an organization throughout its life cycle, from the time of creation or inscription to its eventual disposition. Data intelligence or data mining of all your electronic content for finding anomalies, patterns, and correlations within large data sets to predict outcomes.





Organisational Requirements

- National Libraries South Africa (one of our current clients) uses specific systems e.g. (WorldShare Management Services (WMS) to record and maintain its Collection.
- Cataloguing systems like WMS require that data captured is in line with certain Cataloguing requirements.
- The information that requires to be captured for upload onto (WMS) must meet the minimum requirements and more importantly be captured accurately.





Problem Statement ...



The current data capture process at most libraries is manual process and as such the following are challenges with the process;

- Accuracy of information due to human error
- Time consuming as information needs to be typed out
- Consolidation of spreadsheets by multiple data capturers
- Quality assurance and cleansing of data to address issues of missing and incorrectly captured information
- Real time reporting is a challenge as information has to be consolidated
- Loss of information or delays due to reliance on individuals



Mobile Application Solution



Odiumba DigiScan
Mobile Scanning Solution

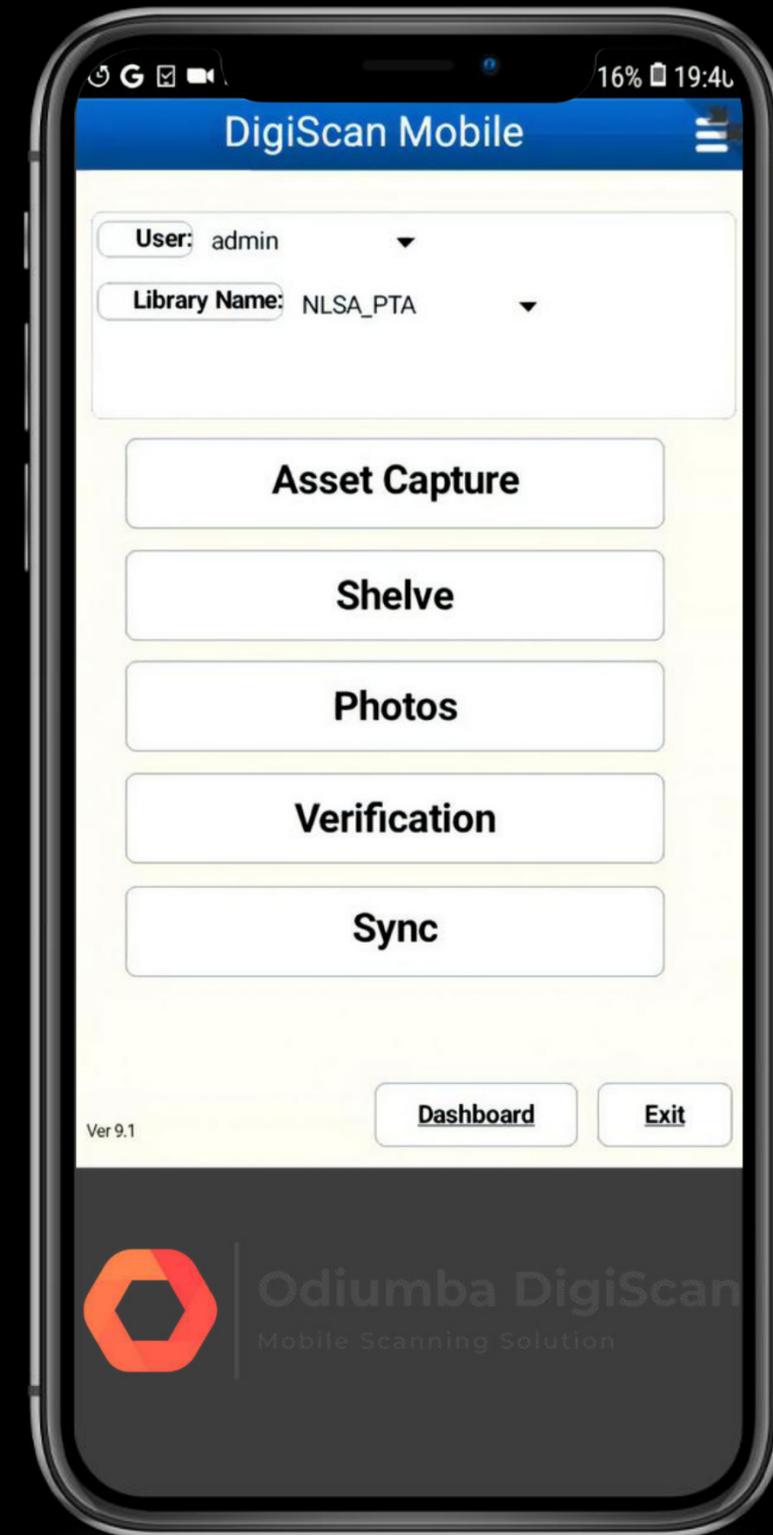


DigiScan is a mobile solution that provides for the electronic capture and compilation of Assets Registers or records for organisations. DigiScan ensures accuracy, correctness and completeness of information captured. DigiScan app is installed mobile phones (android OS) where users use do verifications. The mobile app sends data to central database. There is an Admin module (application installed on a pc) to view all the reports related to verification process as well as exceptions or errors. The mobile app supports OCR capabilities where users can take an image of the cover to extract info such as Title, Author etc. This speeds up the data capturing process.

This not a library management system but a tool to verify and loading of new asset (incl. location, condition of the book etc.). It allows new books to be captured and the data can be exported to a system like WMS.

Tab Selection for Information Capture

The illustration highlights landing page to which a the user would log in to access the solution and start the capture process



Tab Selection for Information Capture

In this process the user would click on the tab for which information that would be needed to be captured electronically.



The screenshot shows the 'Asset Capture (OCR)' mobile application interface. The top status bar displays the time as 19:41 and a battery level of 16%. The app title 'Asset Capture (OCR)' is at the top. The form contains the following fields:

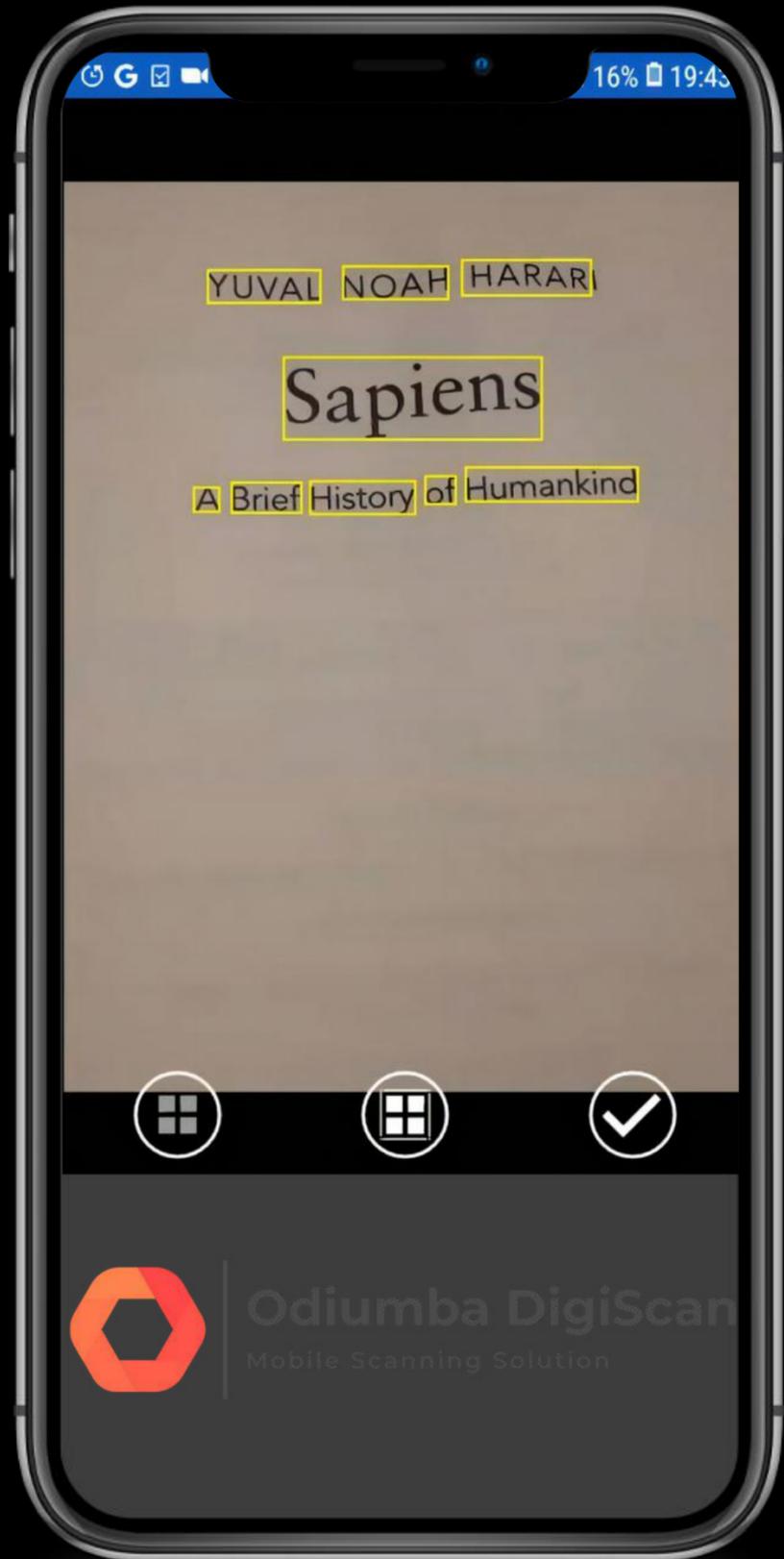
- Asset ID: 1
- Barcode: [Redacted]
- Isbn: [Redacted]
- Title: [Redacted]
- Author: [Redacted]
- Publisher: [Redacted]
- Shelve: [Redacted]
- Itemtype ID: NON-FICTION
- Condition ID: FAIR
- Price: 1,00
- Publish Date: [Redacted]
- Date Receive: [Redacted]
- Edition: 1

At the bottom, there is a grid of buttons for selecting information to capture:

- Barcode
- ISBN
- Title
- Author
- Save
- Publisher
- Shelf
- Pub Dt
- Rec Dt
- Delete
- Tit + Aut + Pub
- Exit

The Odiumba DigiScan Mobile Scanning Solution logo is visible at the bottom of the screen.

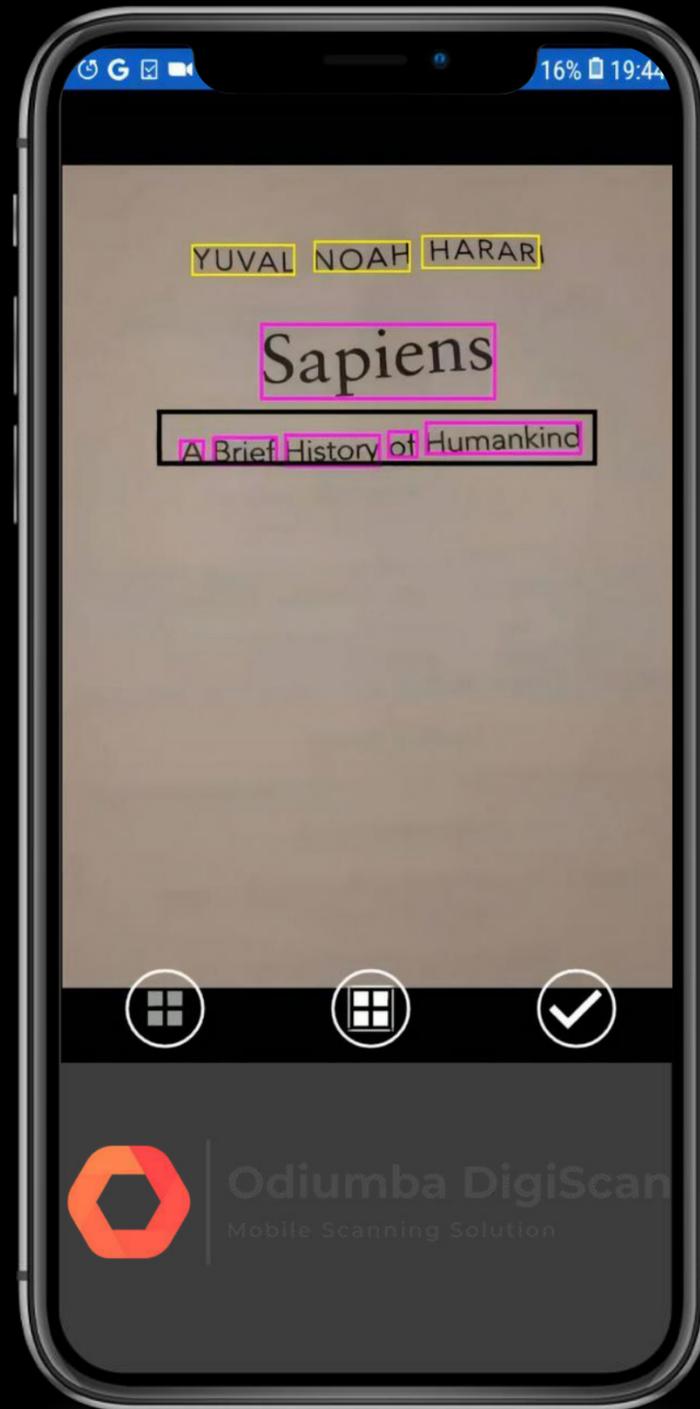
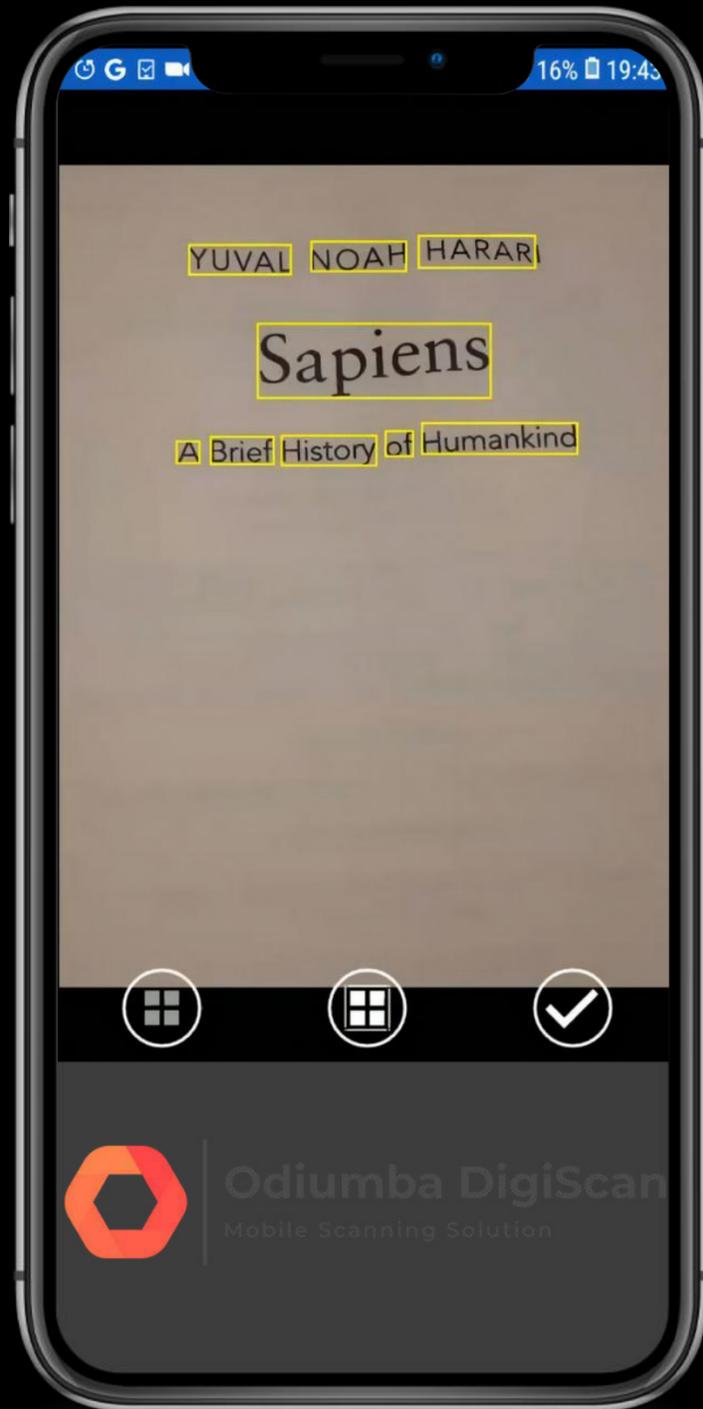




“OCR” and Electronic Capture



“OCR” and Electronic Capture



Typically title pages will contain multiple sources of information. The solution has extracted both the “Author” and “Title” information. In this case the user has the ability to highlight the key information required for the “Title” which is highlighted in purple confirming that this is the only information required to be extracted and relevant for populating the “Title” field.

No typing of information required

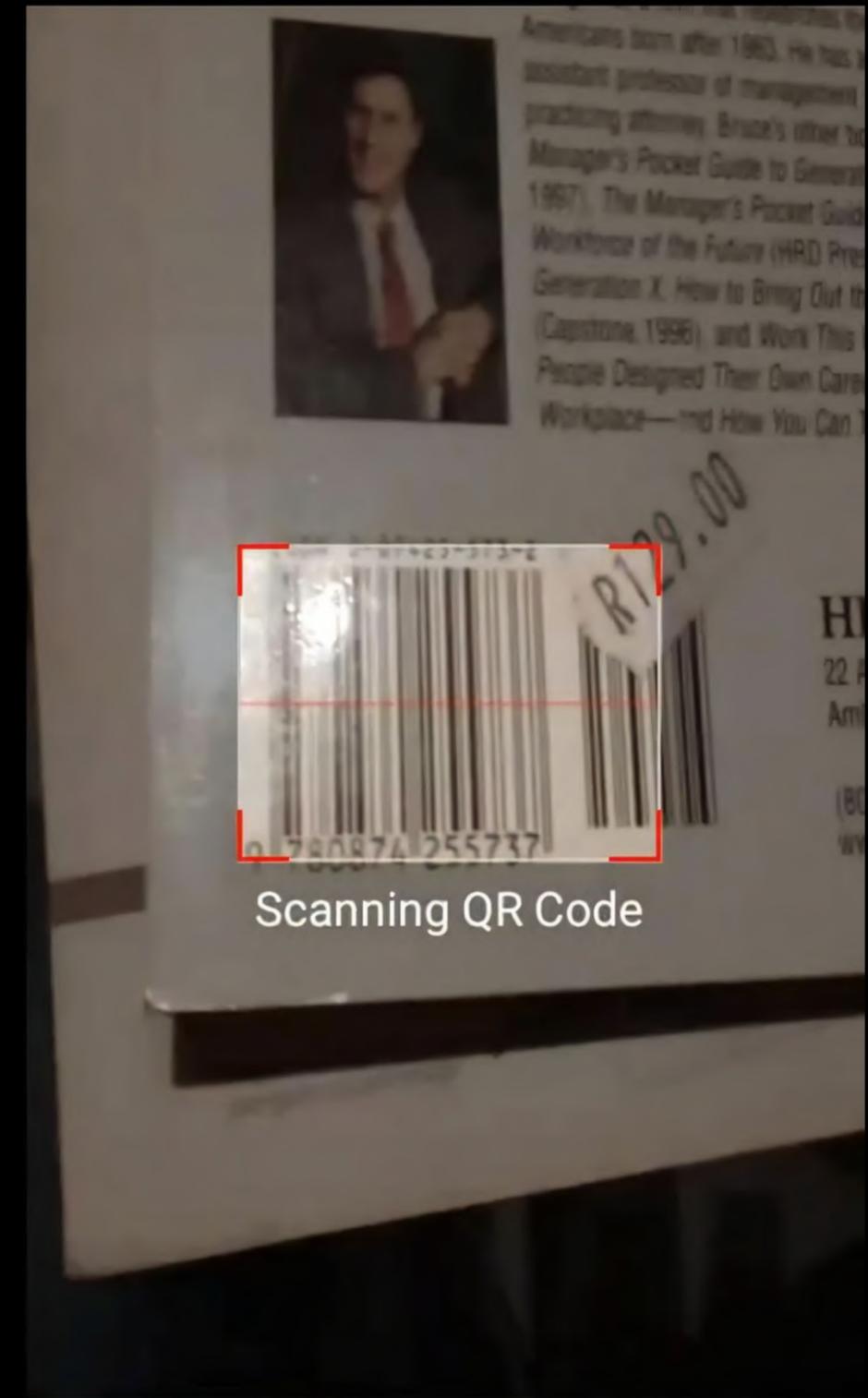
The screen shot illustrates the result of the “OCR” functionality whereby the solution electronically extracts information required to populate the relevant field. In this illustration, this would be the information required for the Title field.



“OCR” and Electronic Capture

In this process, the DigiScan functionality uses “OCR” to extract the “Barcode” or the “ISBN” information to populate the fields with the information.

This functionality of electronic capture is key as in most manual data capture process, digits are incorrectly captured due to the size and length of the digits.



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Report of all captured information



Output of the electronic capture using the DigiScan solution. Real time and accurate reporting of information captured.

Condition Graph

NLSA
National Library of South Africa
An agency of the Department of Education, Arts and Culture

Ben G

Asset Register (Grap103)

| <u>Author</u> | <u>Title</u> | <u>Publisher</u> | <u>Publisher Date</u> | <u>Edition</u> | <u>Barcode</u> | <u>ISBN</u> |
|-------------------|--------------------------------------|------------------|-----------------------|----------------|----------------|---------------|
| YUVAL NOAH HARARI | SAPIENS A BRIEF HISTORY OF HUMANKIND | VINTAGE | 03 Apr 20 00:00 | 1 | 9780099590088 | 9780874255737 |

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Send Exit

Why use the Digiscan solution?

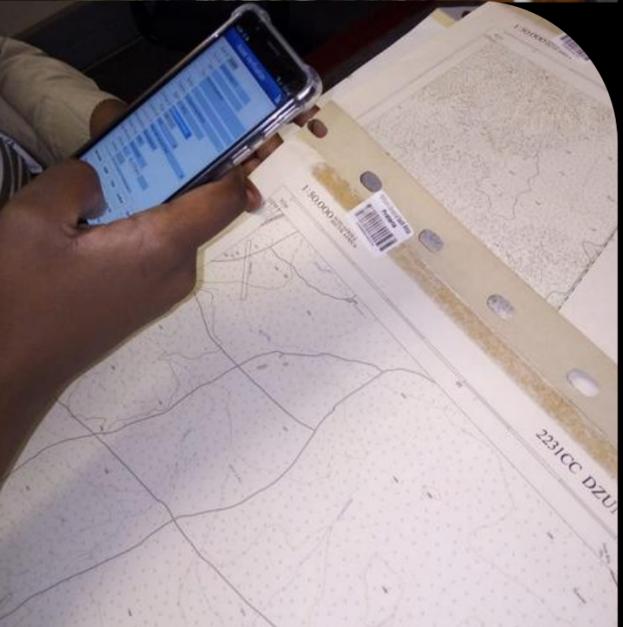
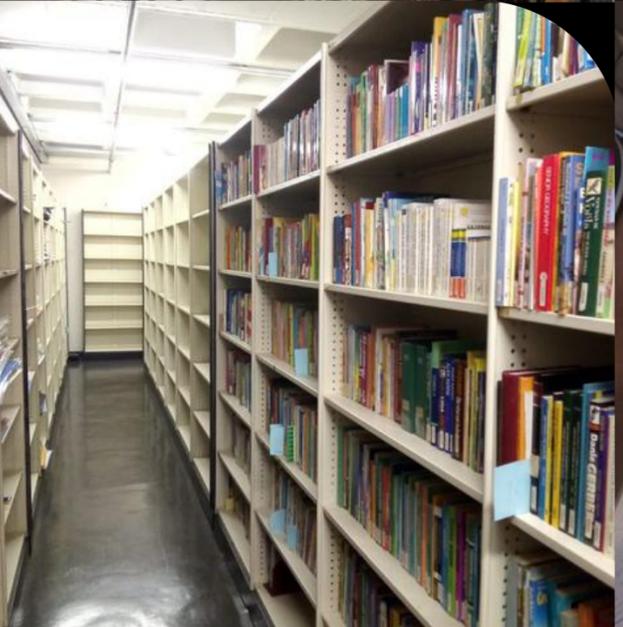
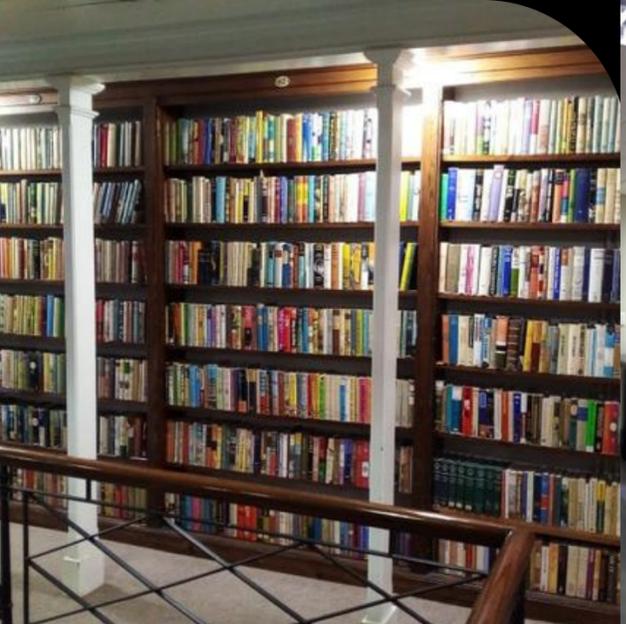
- Eradicates the need for manual data capture
- OCR feature ensures all information populated instantaneously
- Information is immediately registered to an electronic database
- Enables real time reporting
- Eliminates errors and ensures 100% accuracy of all information captured
- New data can be linked to any new system such as WMS



Benefits Of Digiscan

- The benefits of the DigiScan Solution is as follows;
- No manual capture and typing of information which will ensure accuracy, correctness and completeness of information captured
- Electronic capture of the information as per the requirements of required systems e.g. (WMS)
- Increased productivity as electronic “OCR” capture populates relevant information instantaneously
- Information is pulled through immediately to an electronic register.
- Real time reporting of information captured
- No need for additional resources for quality assurance as manual data capture human typing errors are eliminated.





NLSA LIBRARY



Odiumba DigiScan
Mobile Scanning Solution





Thank you!



•For more information or presentation of a demonstration of the solution please contact;

Thank You

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