

K H N L G Y

SBG

ESG Impact Reporting POC



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## 1 Proposal Cover Letter

To: Sibusiso Ngubeni

10 April 2025

Khonology Proposal – SBG ESG Impact Reporting

Thank you for the opportunity to collaborate on the SBG. Our aim is to assist SBG with streamlining its ability to submit sustainability metrics in its annual financial statements. The proof of concept we are proposing will look to leverage technologies that will enable a solution that can effectively create easier reporting by mainly automating the process with and reduce human or manual touch when creating reports.

Yours sincerely,

Name: Africa Nkosi

Position: Director

Company: Khonology (Pty) Ltd (the RESPONDENT)

## Company background – Our Purpose

Khonology is a B-BBEE Level 2 South African digital services company. Khonology is a true African success story and has been the recipient of several awards. We provide world class business solutions with the vision of empowering Africa. Khonology is who we are, technology is what we do, and Africa is whom we serve.

Our service offering is focused on end-to-end application development, application support, testing with strong data competency (data engineering and data analytics). Our vision is to become Africa's leading digital enabler. Khonology aspires to continue to rise into Africa's leading data and digital enabler that empowers our continent's businesses and people to unlock their full potential through technology.

**List of some our recent clients:** InfoCare, Standard Bank, Rand Merchant Bank, Auditor General of South Africa, SA Taxi Finance Company, NatWest Bank (UK), ADB Safegate (Belgium).

### List of recent Awards

- 2023 TopCo Award for Best Fintech Company
- 2023 Top Empowerment Digital Transformation Award of the Year
- 2022 DataMagazine.Uk Top 44 Most Innovative Cloud Data Services Start-ups & Companies in South Africa
- 2022 DataMagazine.Uk Top 14 Most Innovative Cloud Data Services Start-ups & Companies in Johannesburg
- 2022/23 Prestige Awards Digital Services Company of the Year

### List of recently successfully built digital products that followed the Khonology Digital Journey:

- **PowerPulse** – A digital platform that connects accredited energy solution providers, in an efficient and competitive manner, to deliver cost saving and sustainable energy solutions for business and homes. [- Click to see PowerPulse Video](#)
- **Credit Connect** – Khonology partnered with Standard Bank CIB to build a debt capital market platform. CreditConnect is a new Digital Bond Market Platform allowing issuers and institutional investors to execute and engage before, during and after bond issuances. CreditConnect provides access to the most up-to-date market intelligence and makes it easier to identify and execute funding and investment opportunities, making the bond market transparent and accessible. [- Click to see CreditConnect Video](#)

- **Automated Term sheet** - Khonology built a digital term sheet platform that assisted RMB to automate its term loan generating process for its client coverage department. The platform contributed to standardising the term sheet terms and conditions, data input and ensuring that deals are processed faster and more accurately to enable coverage to empower their customers. – [Click to see automated termsheet.](#)

## 2 Organizational Structure



Dapo Adeyemo – CEO – Co-founder



Mosa Nyamande – Head of Delivery – Co-founder



Africa Nkosi – Sales & Marketing – Co-founder



Michael Roberts – Chairman – Co-founder



Lezanne Kruger – Finance Manager



Lerato Thekiso – Legal Partner

### 3 **Background**

SBG needs to submit sustainability metrics in its annual financial statements.

These metrics relate to the Just Energy Transition, Social Impact and various related streams of sustainability, currently a manual process is used to collect and collate the data used in the reports. Most reporting metrics have focused on Energy & Infrastructure and the carbon abatement from renewable energy.

Our proof of concept will target the following:

Standardise the reporting process for consistency and efficiency

Retrieve deal information at inception and throughout the deal lifecycle, giving a comprehensive picture of planned vs actual impact & sustainability.

### 4 **Proposed Solution**

The as is process involves significant amount of manual effort is required to locate key information in these lengthy legal documents, interpret it in context, and then input the relevant details into internal systems for reporting. This manual process is time consuming, inefficient, and susceptible to human error.

The proposed solution aims to automate the extraction, standardisation, and structuring of contract data using a combination of document processing technologies, AI-powered language models, and Microsoft's SharePoint platform.

### 5 **Objective of the PoC**

The objective of this Proof of Concept (PoC) is to validate the feasibility and business value of an automated data extraction and structuring solution for legal contracts which includes:

- Extract key contractual information from unstructured documents (PDFs, scanned images, Word files).
- Map varying terminology to a standardised data model.
- Store structured data in a database for downstream reporting.
- Provide users with an interface for validation, correction, and monitoring.
- Define the process for human validation required
- Target an accuracy rate of 85% or higher for the OCR and understand how the gap will be addressed.

## 6 Approach to the proposed solution

The proposed solution will be delivered in two primary streams within the Proof of Concept (PoC). The first stream will focus on concept validation to prove that the approach of automated data extraction from legal contracts is feasible and can be used in the business process. The second stream will focus on technical validation to assess the specific technologies approved by the organisation, evaluate integration points with existing systems, and determine the appropriate platform for hosting and operationalising the Minimum Viable Product (MVP).

### **Concept validation**

In the concept validation stream, the approach will focus on testing the ability to extract key contract data from a sample set of legal documents that vary in format, structure, and terminology. The solution will use document scanning and processing techniques capable of reading both digital and scanned contracts. This will allow the system to identify key information such as contract parties, revenue or income details, payment terms, durations, and any additional clauses or metrics that the business requires for reporting. A combination of OCR technology and context-based AI will be used to extract the information from the documents and categorise the data based on defined data fields.

To further enhance the accuracy and defensibility of the extracted data, an initial document classification and validation layer will be introduced. This layer will perform functions such as scanning documents for readability, identifying document types, and ensuring that only relevant contracts progress to the deeper extraction stages. This adds an additional control point that provides assurance over the data entering the system and assists with auditability.

The extracted and standardised contract data will then be stored in a structured repository, enabling it to be reported on. The team will leverage Sharepoint as the user-facing interface where users can search, review, and validate the extracted data. This interface will provide natural language search capabilities, allowing users to ask questions on the data in plain language, as well as tools for reviewing and correcting any extracted information prior to final reporting.

### **Technical validation**

The technical validation stream will focus on understanding which enabling technologies are available within the organisation to support this solution. This will include evaluating available document processing capabilities, natural language processing tools, cloud storage options, and security frameworks. The technical stream will also assess which internal platforms are most appropriate for housing the solution.

## 7 Team Composition

### 7.1 Team Resource Role Allocation

Resource Role	Description
Developer	Responsible for developing the platform integrating with source systems, developing the OCR solution and collaborating with the team to build scalable solution
Data Analyst/Tester	Is accountable for guiding the clarification of the business and data requirements, through in-work collaboration with the business stakeholders, and working within the feature team to ensure these are delivered effectively
Delivery Manager	Facilitates the application of software and through the effective management of team members and iteration planning.
AI Lead	The AI Lead will be providing guidance toward the technology stack and direction towards the overall solution.

\* The roles stated will be delivered based on defined deliverables, where resources can perform multiple roles.

# Contact Us

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