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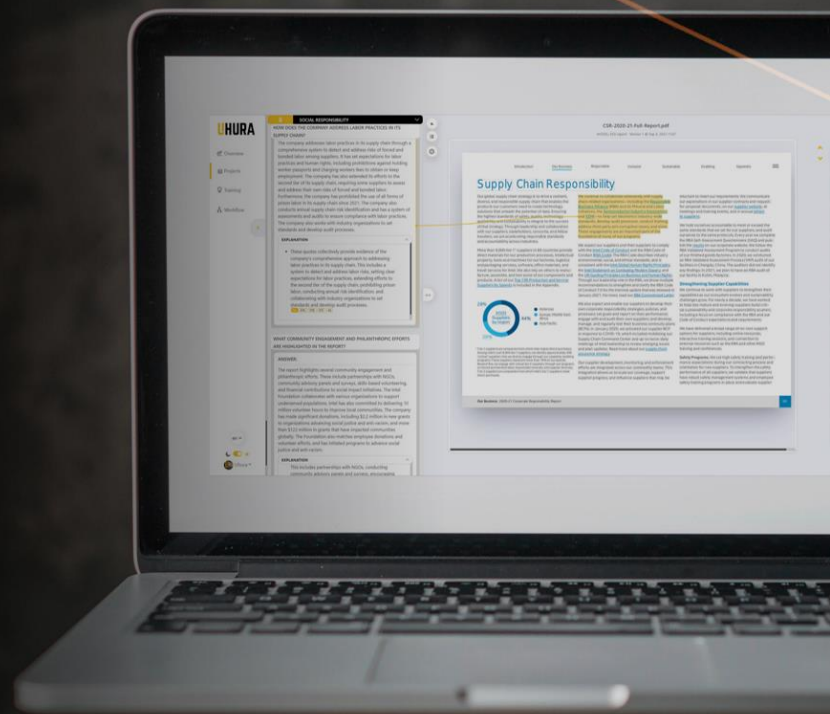
AN AI PLATFORM FOR AUTOMATING
DOCUMENT-DRIVEN PROCESSES

COMPANY INFORMATION

Uhura Solutions is an **AI technology** startup that developed **an AI platform for automating document-driven processes.**

The platform allows businesses to access sophisticated AI through the automation of complex processes that include **data extraction and classification, document review and intelligent analysis**.

The company leverages cutting-edge technologies such as **Large Language Models** (LLMs) enhanced by domain-specific datasets and reinforcement learning, **process automation workflows**, and a **low-code framework**.

The platform is currently in production with a **growing base of paying customers** from the financial sector, which demonstrates its real-world applicability and value, with an **exceptional net revenue retention** rate. By implementing the platform, clients have managed to significantly **cut operating costs** for processes that were once carried out by full-time staff.

The company is backed by prominent investors: **Barclays, Techstars, SuperSeed Ventures, South Central Ventures and Newable Ventures**.

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CUSTOMER NEEDS

For companies dealing with **business reports, complex documents, contracts, and agreements**, the greatest challenge lies in the manual processing of these documents.

This traditional approach is **labour-intensive, error-prone, and costly**, resulting in operational inefficiencies and increased expenditures.

This **time-consuming** process not only hampers productivity but also limits the organisation's ability to **extract valuable insights** from its data, ultimately impacting **decision-making** and responsiveness to market changes.
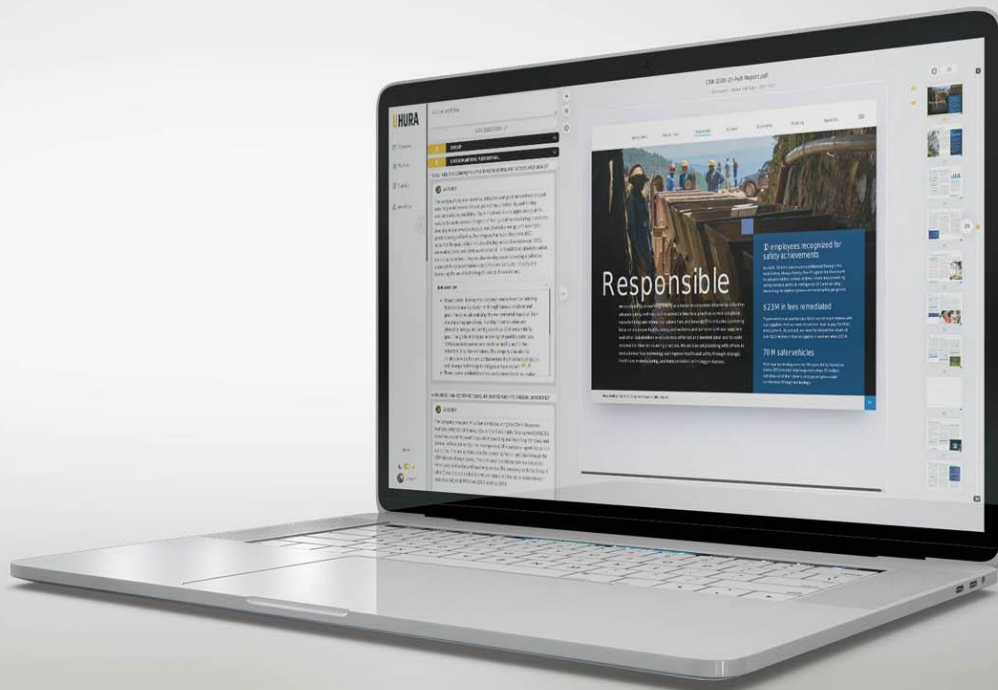
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SOLUTION

Uhura is an AI platform that **reads and understands** business reports, complex documents, contracts, and agreements, just as humans do.

We help businesses **automate document-driven processes** and expedite the review and decision-making procedures.

We have developed a pioneering **AI Platform** tailored for **the finance service industry** that combines the capabilities of **fine-tuned Large Language Models (LLM), process automation workflows,** and **low-code development.**

By automating document-driven processes, the platform promises to revolutionise **operational efficiency, reduce costs**, and **enhance customer experience**.

Our clients have reported a **95% faster processing time** with an **accuracy score of 97%,** resulting in **over an 85% reduction** in operating costs when a business process formerly performed by a person is replaced or augmented by our platform.

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KEY BENEFITS

OPTIMISE COSTS AND SAVE TIME

OVER 95% FASTER PROCESSING TIME
OVER 97% ACCURACY SCORE
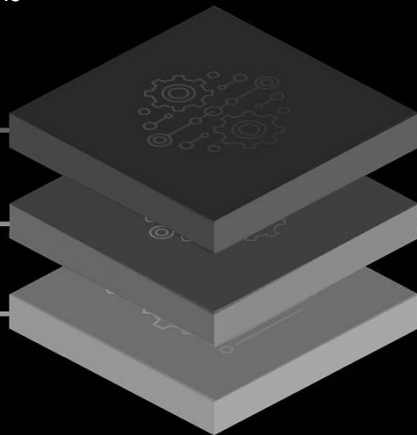OVER 85% COSTS REDUCTION

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TECHNOLOGY

Large Language Models

Workflow engine

Low code framework

We have developed fine-tuned **Large Language Models (LLMs)**, augmented with domain-specific datasets that become exceptionally adept at comprehending relevant content tailored to the specific subject matter.

Process automation workflow integrated into the **Workflow engine** allows users to utilize building blocks to generate decision logic that emulates internal business processes.

A user-friendly **Low-code framework** enables users to create AI-driven models with minimal coding effort.

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FINE-TUNED LLMS

The core technical aspect revolves around the incorporation of advanced AI capabilities, driven by Fine-tuned Large Language Models (LLMs) based on the open-source technology. These LLMs play a pivotal role in processing domain-specific language, contexts, and patterns.

Key Features:
• **Data Collection and Preprocessing**: Industry-specific data is collected.
• **Fine-Tuning LLMs**: The pre-trained LLMs are then fine-tuned using the industry-specific data.
•**Domain-Specific Knowledge Encoding**: During fine-tuning, the LLMs grasp domain-specific knowledge, vocabulary, and nuances.
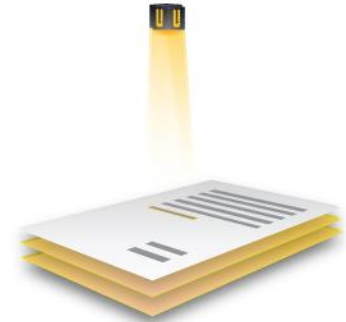
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FEATURES

DATA EXTRACTION AND CLASSIFICATION

Automatically extract data and classify digital and scanned documents in record time with a high degree of accuracy.

DOCUMENT REVIEW

By emulating the way humans analyse documents, the platform quickly and accurately analyses large volumes of data with minimal effort, mirroring the established workflow within the business.

INTELLIGENT ANALYSIS

Derive meaningful insights and support the decision-making process, taking into account the context in which data is generated.
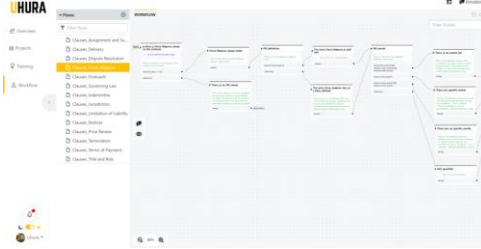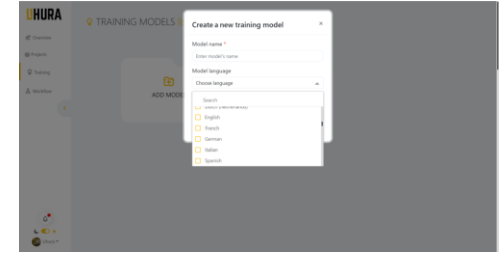
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MODULES

AI COPILOT BUILDER

AI Copilot Builder harnesses the extraordinary capabilities of generative AI to automate document processing and uncover invaluable insights from documents, reports, contracts, and agreements. AI Copilot Builder seamlessly integrates a client's business data with advanced generative AI, delivering instant document-driven insights and actionable outputs.

WORKFLOW BUILDER

Workflow Builder allows users to utilise building blocks to generate decision logic that emulates internal business processes. The interface enables business users to define inputs and outputs and perform necessary operations. It offers the flexibility and customisation many businesses are seeking, making the platform completely 'tailorable' for individual clients.

ML BUILDER

ML Builder empowers users to create, modify, and train machine-learning models with minimal hand-coding and traditional programming efforts. The platform is designed to provide rapid development, easy integration, and cost-effective deployment of ML models. With our platform, businesses can easily create solutions tailored to their specific needs and deploy them across multiple platforms at scale.
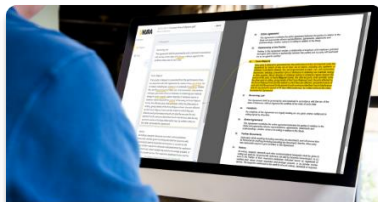
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IMPLEMENTATION EXAMPLES

Compliance Requests

The system extracts critical data, classifies documents, offers decision support, and streamlines workflows for compliance-related processes. It ensures compliance with regulations, provides valuable analytics for process optimisation, and seamlessly integrates with management systems.

Loan Applications

The system analyses data from loan documents, categorises and organises these documents, simplifying the process of document management. Additionally, it performs content reviews to identify discrepancies or missing information, ensuring compliance and reducing the risk of fraudulent loan applications.

ESG Reports

The system offers a comprehensive solution for ESG report analysis, adeptly sifting through these reports to extract essential data on a company's environmental, social, and governance practices. It provides responses that mirror human expertise, ensuring precise and detailed answers to queries regarding ESG reports.

What clients say

Previously, a process involved a team of four individuals, whereas now, it requires just one person dedicating 20% of their time, resulting in a 95% reduction in costs. This shift allows for spending time analysing the data rather than processing it.

Head of Operations and Digital Transformation at Hipotekarna bank

What market reports say

Uhura Solutions has been recognised as a major player in the latest reports on the contract intelligence market, titled 'Contract Intelligence Market Insights 2023: Actual Market Figures, Changing Aspects, Applications, and Estimated Market Size to 2029'.

Market Reports World

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ACCURATE DOCUMENT ANALYSIS

The platform lets companies **review documents** more rapidly, handle vast amounts of data more easily, and manage more effectively by building. It quickly sorts through a large volume of data and analyse documents based on defined criteria.

By emulating the way humans analyse documents, **automated workflows** enable users to swiftly and precisely analyse extensive volumes of data with minimal effort. Creating complex, automated workflows has never been easier. With just a few clicks, users can build simple, configurable workflows in minutes. The workflow builder is **intuitive and user-friendly**, making it easy to configure the specific requirements of each workflow. With this powerful workflow builder, users can create complex and reliable workflows that can be configured to fit their exact needs.

Users can set up **custom rules and conditions** to ensure that analysis are completed in the proper order and with the right level of accuracy. By creating a series of automated steps, companies can ensure that their processes are carried out according to their predetermined standards.

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BUILD, DEPLOY AND OPERATE AT SCALE

Our **low-code AI platform** is designed to help business users with minimal expertise build, deploy and operate multiple AI solutions at scale. The platform is designed to provide rapid development, easy integration and cost-effective deployment of AI solutions. With our platform, businesses can **easily create solutions** that are **tailored to their specific needs**, and deploy them across multiple platforms at scale. This helps to reduce costs and improve efficiency, making our low-code AI platform the ideal solution for any business.

With a **single platform**, users can effortlessly create **multiple ML models** that are tailored to solve their unique challenges. This means that businesses can easily develop applications for all of their departments in a fraction of the time it would take to create them using traditional coding methods.

Users have the ability to **monitor and control** the models **in real-time**, so that they can ensure they're performing as expected. And best of all, this platform is designed to be user-friendly, so that even those with minimal AI experience can get up and running in no time. Put a single platform to work across the company and unlock the power of AI.

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SERVICE DEPLOYMENT MODELS

SAAS

Services are made available through infrastructure which is owned or controlled by Uhura

HOSTED

Services are made available through an organisation's own internal infrastructure

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PARTNERSHIPS AND CLIENTS

USE CASES IN SEE

Debt collection and orders

Loan document processing

Interim Balance sheet analysis

KYC- account opening

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KEY INSIGHTS

- AI is not a magic solution, it is not a magic wand

- It will do exactly what you instruct it to do

- In-depth analysis of the current as-is process is mandatory

- AI must be fine-tuned for each individual use case

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