



Unearth Forms



Wild Mouse is an Australian software company founded in 2015 to create enterprise software focusing on innovation. Over the past seven years, we have carefully and diligently architected, designed, and built our Uneath AI Platform—a globally unique Artificial Intelligence platform.

Uneath AI is a groundbreaking platform that provides medium-sized to enterprise-scale organisations with a fast path to the benefits of AI. It includes everything needed to successfully and safely adopt AI at scale for various scenarios.

Uneath AI provides three related, key capabilities:

1. It can ingest, understand and relate information from any system – inside or outside an organisation – merging all the different types of information to create a hierarchical Knowledgebase. Users can interrogate this information using search, chat and data analysis, across the various types of information and irrespective of the source system silos.
2. It provides AI-powered business processing using structured Analysers - a more advanced version of Agents - that can process the wide range of information ingested to make advanced, even complex, decisions.
3. It can use the broad spread of information to predict likely outcomes and events - a capability that allows proactive actions before events occur, rather than reactive afterwards.

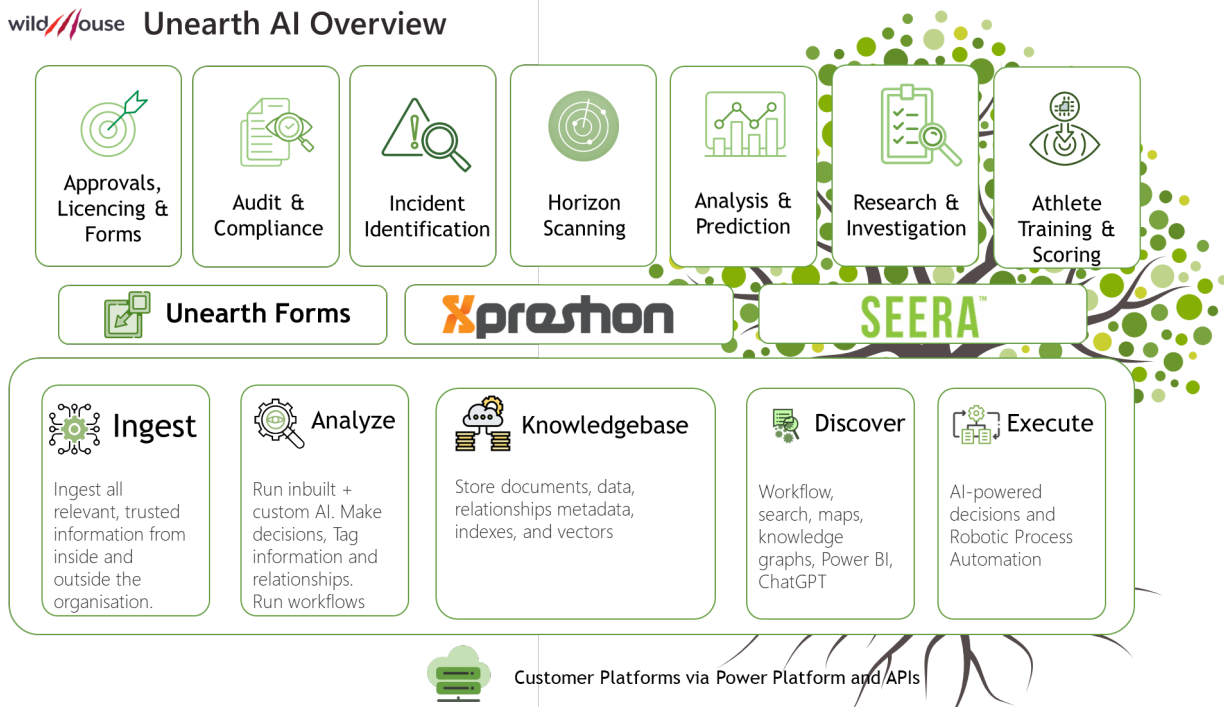
Uneath AI is a platform on which organisations, partners, and software companies can build their IP. Wild Mouse also has a set of extensions and pre-built solutions that allow rapid adoption for a set of common scenarios.

With Uneath AI, Wild Mouse, our partners drive innovation, efficiency, and excellence for all organisations to achieve better outcomes, lower costs, and develop a competitive edge.

Wild Mouse Uneath AI contains:

1. The Uneath AI Platform: This includes a set of capabilities that empower organisations to adopt AI, ingest and understand all their information, and build AI processing.
2. Extensions: Uneath Forms, Xpreshon, and Seera are optional extensions to the Uneath AI Platform that provide business forms, a consumer app platform, and a compliance and competency management platform, all powered by the AI capabilities in Uneath AI.
3. Solutions: A set of optional, pre-built solutions provides rapid AI benefits in a range of scenarios.

wildhouse Unearth AI Overview



The Unearth AI Platform

Unearth AI presents a transformative opportunity for all types of enterprises to harness the power of Artificial Intelligence and revolutionise their operations in real and achievable ways.

Unearth AI is the first and only platform capable of ingesting all of an organisation's information into a single Knowledgebase, crossing technology and structural boundaries - for AI to ingest, analyse, and link information. This critical Ingest capability allows diverse sources, including data, documents, images, videos, and audio, to be combined across boundaries for analysis, research, and automated decisions, and provides the broadest range of information available to the wide range of AI technologies included in the Analyse Platform in Unearth AI.

The Analyse Platform contains all major types of AI, including but not limited to Generative AI, allowing the optimal AI to process and understand the wide variety of available information for each scenario. Models can be used together in a workflow, allowing complex, multi-step decisions. Users can train models using Unearth AI and its inbuilt AI technologies to process text, video, images, and data from internal and external sources to predict outcomes, draw conclusions, and make decisions, all overseen, monitored, and retrained by staff. Business rules, data, and AI models can also be external, developed by customers and partners, or sourced from third parties. Through APIs, Unearth AI can communicate with other systems to access data and publish results.

Our Discover tool allows investigation and analysis of the results of the AI processing using a unique combination of three approaches:

- Search across the ingested data using AI-powered search.
- Chat across the whole Knowledgebase using ChatGPT.
- Analyse the data extracted from documents and data using charts and tables.

The broad set of capabilities drives deep and lasting change inside organisations.

Unearth AI Platform Extensions

Extensions available for the Unearth AI Platform:

- **Unearth Forms:** AI-powered business forms tool.
- **Xpreshon:** Consumer content and monetisation platform.
- **Seera:** Competency and compliance measurement and management platform.

Unearth AI Solutions

Solutions available:

- Automated forms processing and approval, including processing evidence such as text, documents, photos and videos.
- Automated business audit platform with business process, including processing evidence such as text, documents, photos and videos.
- Horizon Scanning across the Internet to watch for issues, draw conclusions and predict outcomes.
- Athlete performance analysis and talent identification (in development)

Unearth AI in Government

One key opportunity for Unearth AI lies in its ability to improve regulatory compliance and risk management. Australian government agencies have successfully utilised the platform to understand and manage a wide range of information, automate the approval of new licenses, audit businesses, and predict outcomes, saving time and money for businesses and regulators and improving consumer food safety.

Unearth AI in Sport

Wild Mouse is extending Unearth AI to automate coaching and talent identification using AI Motion Insights technology developed by Microsoft with Wild Mouse. AI Motion Insights creates accurate 3D skeletons from standard video footage, providing valuable data for skill analysis, injury rehabilitation, and performance improvement in sports, healthcare and industry.

Conclusion

Unearth AI represents a groundbreaking technological shift that can drive innovation, efficiency, and excellence across various domains. Using this purpose-built and unique AI Platform provides the benefits of AI faster and with less risk than otherwise, allowing strategic uplifts in business capabilities.

About Wild Mouse

Mission Statement

"Through our Partners and with the Uneath AI Platform, Wild Mouse will drive a revolution in the work of major organizations with AI.

Vision Statement

"Wild Mouse will lead with innovative and integrated AI into every aspect of our customers, creating a trusted and ethical AI platform to understand their world, predict futures, and drive strategic change.

Values

1. We can do anything and are not limited by ourselves.
2. We are ethical in everything we do and build.
3. We make a great place for everyone to work and be respected.
4. We prioritize architecture, engineering, and experiences.
5. We think, then act decisively.

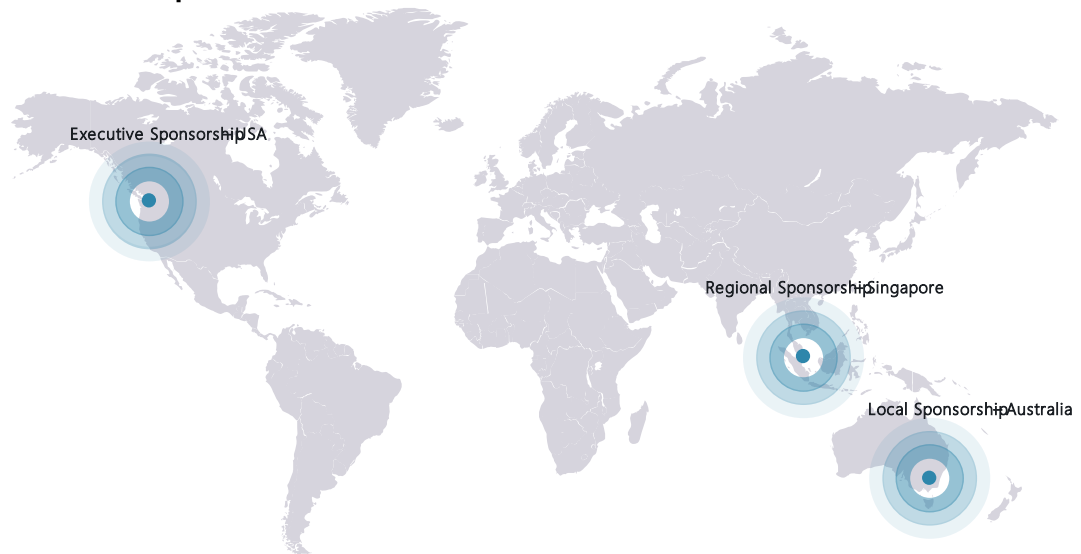
Wild Mouse is an Australian software company founded in 2015 to create enterprise software that focuses on innovation. For the past seven years, Wild Mouse has been carefully and diligently architecting, designing, and building our Uneath AI Platform—a globally unique Artificial Intelligence platform. Uneath AI is now used by the Australian federal and state governments, and Wild Mouse is making inroads overseas.

Our team are experts in the Microsoft platform, building highly scalable, robust, and secure applications using the latest best practices. Our strategic relationship with Microsoft includes our software running on Microsoft Azure. Our Founders have extensive links with Microsoft and have won multiple Microsoft and industry awards. Today, we are working directly with the Microsoft AI engineering teams on new AI technologies, some appearing first in Uneath AI, such as our 3D human skeleton tracking software that forms the basis of the AI training platform the US Olympic Team, currently in development.

The Uneath AI Platform is an enterprise SaaS cloud-based platform that provides the core capabilities needed for AI solutions to execute a variety of AI outcomes, including analysis, ChatGPT, automated decisions and predictive models.



Microsoft Partnership



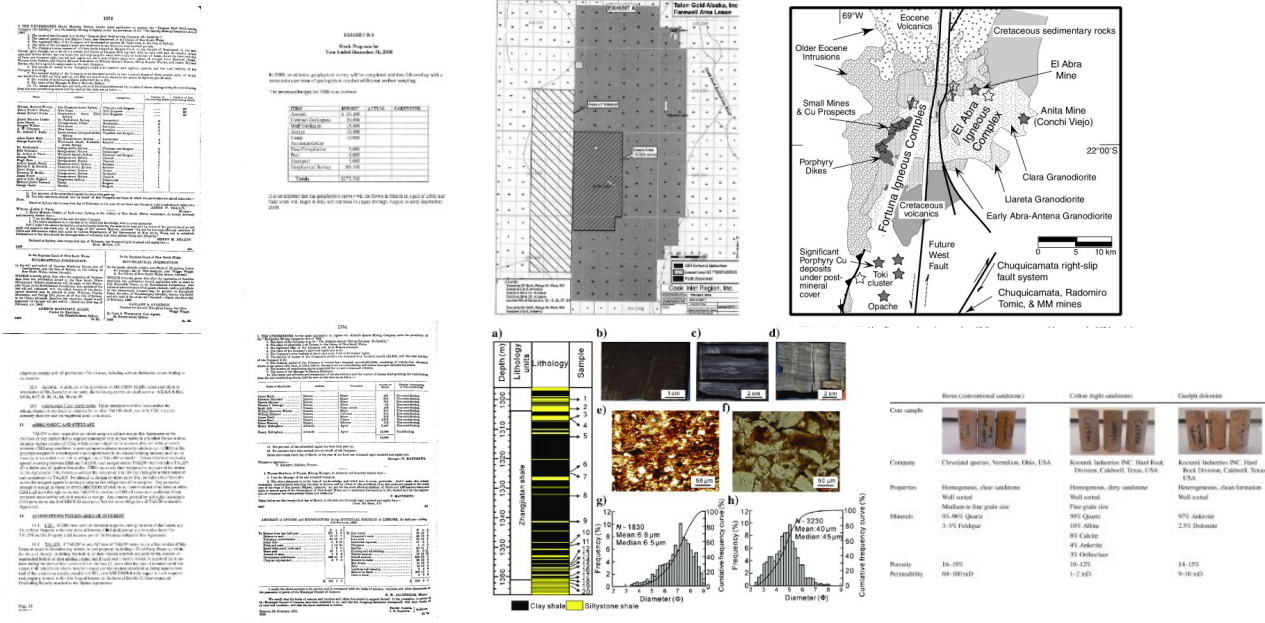
The Founders of Wild Mouse have decades-long working relationships with Microsoft and are globally recognised experts in the design and development of enterprise-scale applications on Microsoft technology. Founders of the business led past Microsoft Partners to multiple award wins from Microsoft, including 2 Worldwide Partner of the Year Awards and six Australian Partner of the Year Awards.

This experience and the relations can come from decades of deep business dealings, giving Wild Mouse deep relationships inside Microsoft; all of this leads to Wild Mouse making the strategic decision to build Uneath AI on Microsoft Azure when we started – a prophetic decision given Microsoft's current leadership position in AI and relationship with OpenAI,

Wild Mouse partners with Microsoft both in a technical sense and in a business sense. We use our relationship to ensure that we have access to the best technologies and that we are using those technologies in an optimal manner. We use it to understand the future strategy of Microsoft products such as Office and Azure, so our products are well-positioned for future changes. We even leverage this for early access to upcoming software and to selectively work together to build new AI technology, including AI Motion Insights. Naturally, we can access technical support directly from Microsoft where needed.

Wild Mouse also sells with Microsoft, allowing our customers to purchase Uneath AI directly from Microsoft and even use it against Azure commitments.

Why we built Unearth AI



Unearth AI was originally born out of consulting engagements with mining companies and scientific research organisations that had a shared need to understand and analyse large amounts of different types of information.

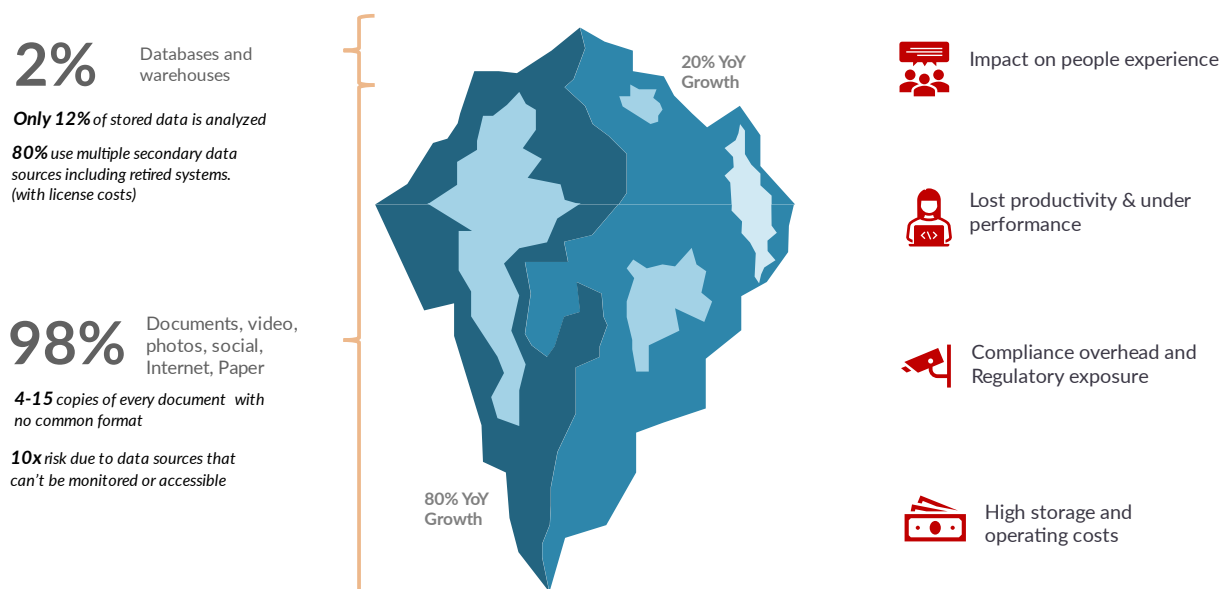
For mining companies, exploration requires the analysis of information ranging from historical exploration documents that exist in handwritten or typed documents, combined with satellite photos, data from core samples, maps and stock market announcements and annual reports. The first version of Unearth AI was built to ingest and analyze billions of such documents to triangulate locations where certain patterns of information could be identified that showed a likelihood of existence of mineral deposits.

This requirement drove the development of a system that could: ingest different types of information; understand it to find correlations across the different information types; understand paper documents and maps, store massive amounts of information; and show results on a map.

For research organizations the requirement is similar, with the need to ingest handwritten research notes, combined with diagrams, pictures, and research from external sources to allow researchers to analyse across sources and information types to draw conclusions or include past research inputs and outcomes into current research.

Although Unearth AI has changed much over the time, this core capability of finding patterns between a wide range of information remains consistent.

Why we built Uneath AI



The themes that Wild Mouse discovered in the first implementations of Uneath AI and that drove the initial design of the platform are reflected across all organisations, as an unspoken fact.

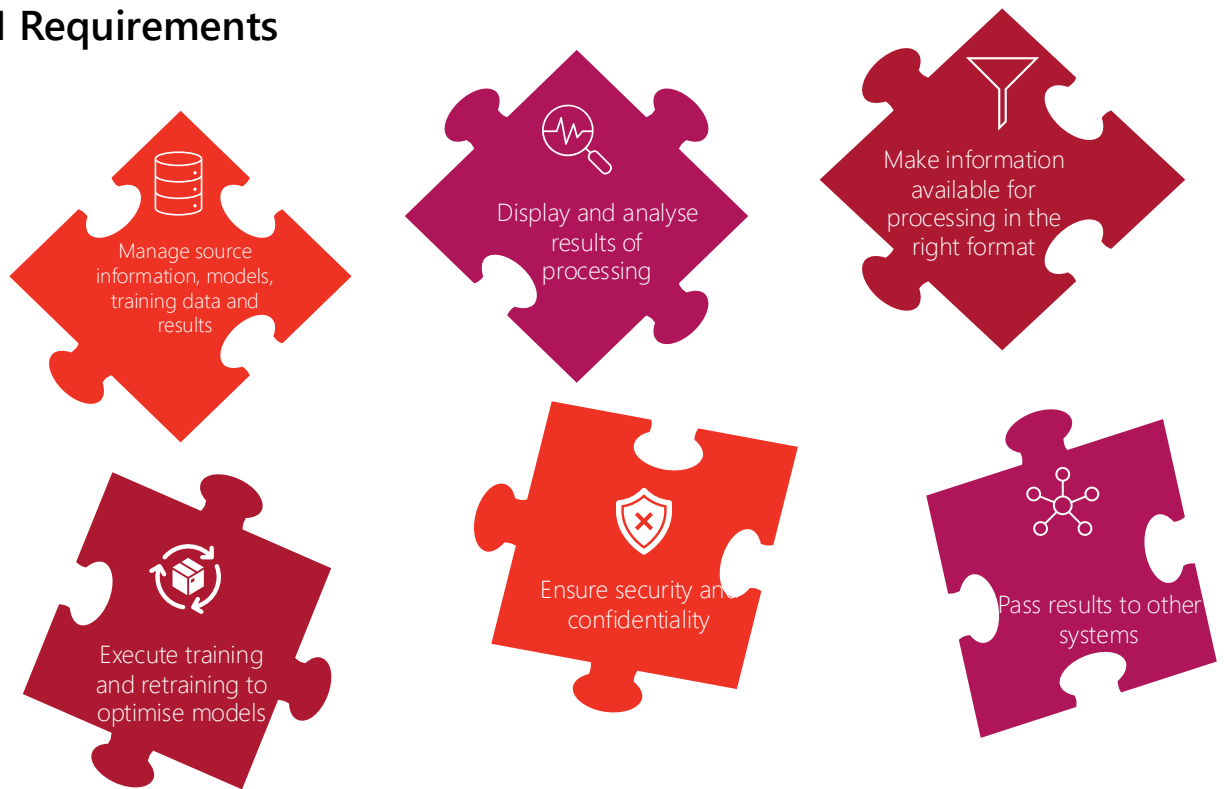
All organisations hold data created by an in systems, that is gathered and viewed through data warehouses and analytics tools and used for decision-making and developing strategies. As a result, gathering, managing and analysing data has always been the biggest area of investment for IT Departments.

In reality, only 2% of information held by each organisation is data, on average.

The majority of information is not data. Rather, it is unstructured information – that vast trove of documents, emails, forms, text fields in databases and increasingly, photos, videos, social media and other information from the Internet. All of this information is also critical in decision-making research and strategy but is generally inaccessible. As a result, decisions either are made manually, or key information is often not used.

Wild Mouse has spent the past seven years researching this challenge to develop a platform to allow organizations to bridge the gap between systems and data types to automate processes, execute research and make decisions. We are alone in doing this.

AI Requirements



Artificial Intelligence is the hot new thing that vendors and often management are thrusting on IT Departments to deploy in search of operational and strategic advantages.

AI itself is not a panacea, though. It is another technology to be deployed, managed and integrated, except in this case, it is fundamentally new and different in its implications and management.

There are a set of capabilities that are needed to deliver an AI system into an organization, some of which are typical enterprise architecture requirements that need to be extended to support AI systems, while others are new:

- Storage of AI models, storage of training data, and storage of processing results. This is needed to support the process of sourcing training data and ongoing additional training to optimise outcomes.
- Once processing has been completed, results need to be displayed. This may be easier if just data is used, but it is much more complex when images, video, and text are used.
- Data warehouse deployments have always been complex and difficult because they involve bringing data together into a consistent format for processing. These same challenges exist when bringing data and other information together for AI processing. This is further complicated by the need to bring information into the same format for processing.
- Training models, which requires models, correct training data, and retraining to be managed and executed.

- Security and confidentiality and use of trustworthy information are critically important in AI training to ensure successful outcomes. Ethical and correct use of the tools in execution are also important.
- Common and ongoing integration challenges also exist, with the addition of another set of systems that need to be integrated to allow decisions to flow into line-of-business systems.

AI has been at the heart of our work at Wild Mouse for several years. We've pioneered unique approaches to understanding information, combining it, enabling decisions, and empowering users to analyse the combined knowledge base.

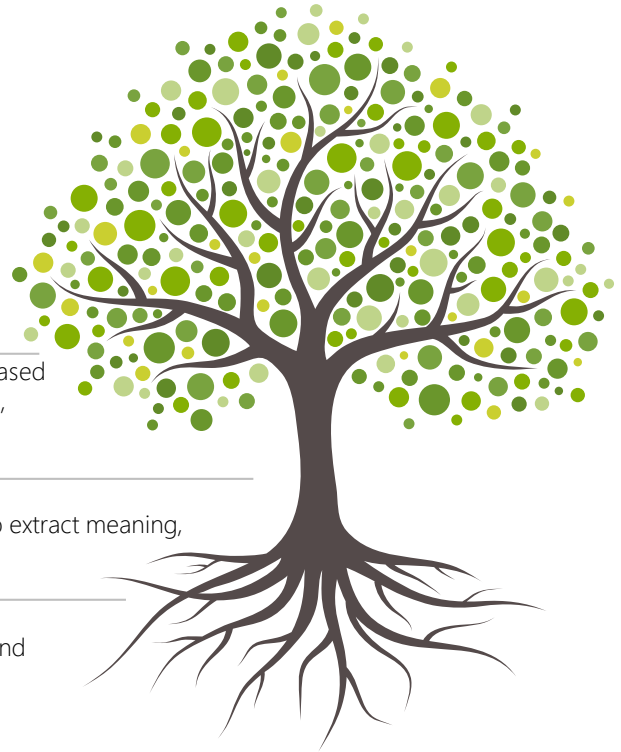
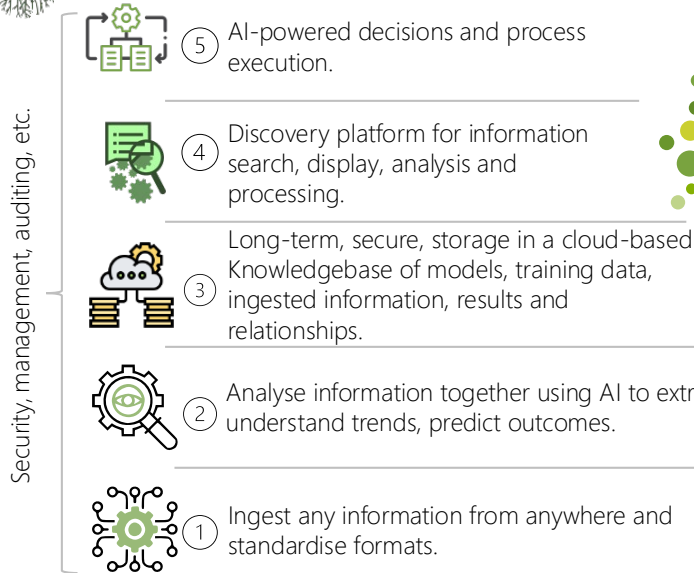
Our work uncovered the architectural requirements of IT Departments in adopting AI early. As a result, these requirements have been baked into the architecture and capabilities of Unearth AI. As a result of our work, Unearth AI delivers groundbreaking AI capabilities and the enterprise architecture needed for all organisations to safely and rapidly adopt AI.



Core Platform



Unearth AI



Unearth AI Core Platform - Introduction

Unearth AI is a platform like Salesforce, Dynamics 365, or Microsoft 365. Like these platforms, Unearth AI provides extensible capabilities for building custom and pre-built Solutions that use AI's power. Current solutions include Licensing/Onboarding, Auditing/Validation, Incident Identification, Monitoring, Horizon Scanning, Sports/Training, and Research with ChatGPT. These pre-built solutions provide easy paths to AI adoption.

Unearth AI includes the set of tooling needed for AI applications:

- **Ingest:** The ability to ingest any information for processing from any source system or platform.
- **Analyse:** A processing system powered by AI with built-in decision-making, including many AI capabilities and hosting for custom AI developed by partners and customers. This can also bring together multiple single-point AI products into a holistic solution.
- **Knowledgebase:** A unique, secure, and scalable cloud storage platform that stores all information ingested.
- **Discover:** This allows users to analyse the information in Unearth AI in various ways, including charting, mapping, and ChatGPT. It also includes tools for staff to interact with business processes being automated by AI.
- **Action:** An AI-powered robotic process automation platform with external links.

Unearth AI is a unique platform with no known competitors. Its competitive advantage is, therefore, not so much that it is a little better than another product. Rather, Unearth AI is a groundbreaking shift in capabilities, allowing organisations that use it to change their mode of operation significantly.

The following key terms will be used in this section:

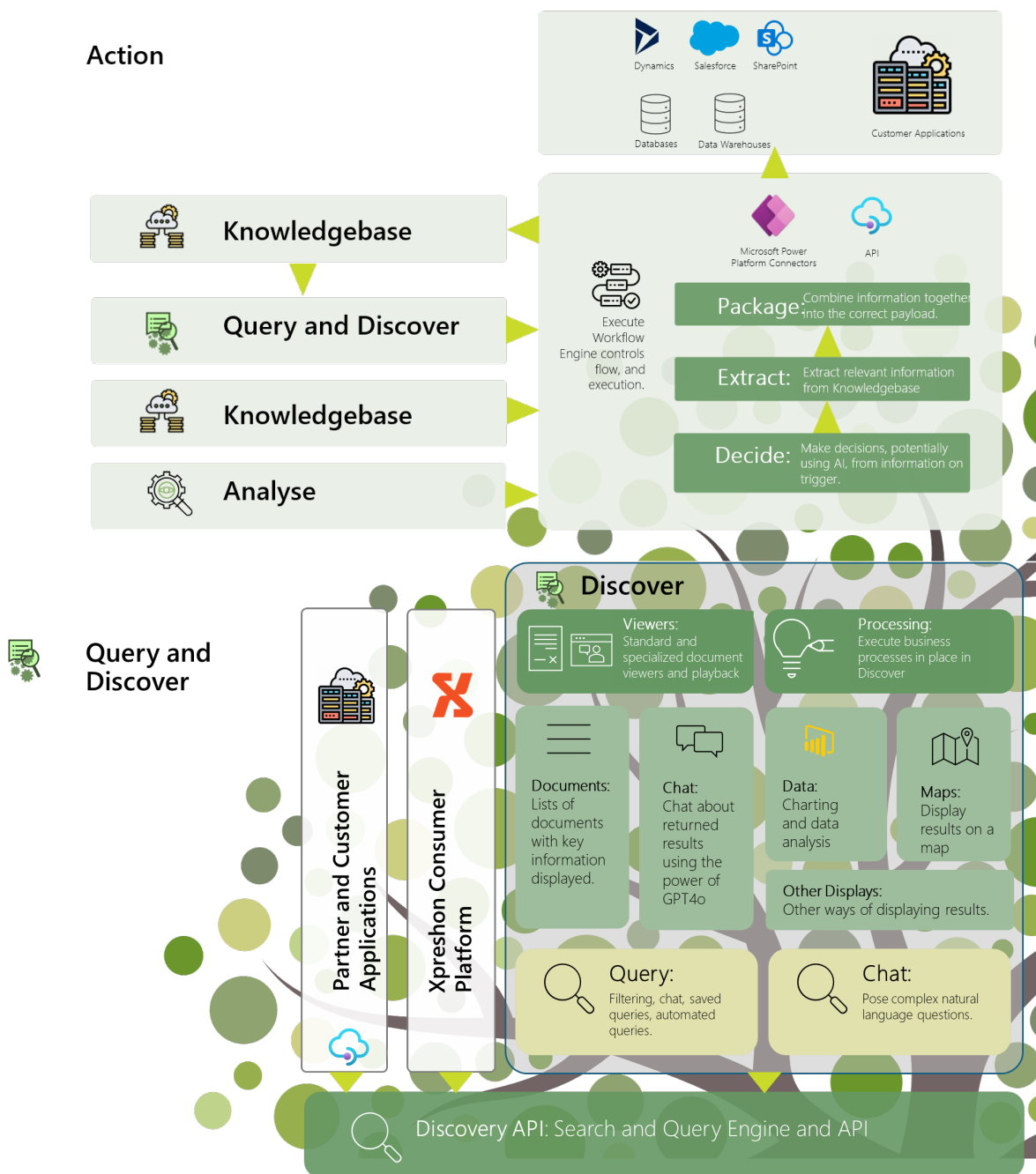
Key Terms

- **Document:** A generic term that refers to a piece of information inside Uneath AI. Word documents, PowerPoint presentations, database records, Facebook posts, and videos are all examples of Documents. A is generally made up of Document Parts.
- **Document Parts:** A logical section of a Document, such as a page, slide, field or minute of video. Most, but not all, Documents have Document Parts.
- **Ingesters:** Channels to pass information into Uneath AI through Ingest. Ingesters work on documents passed into one of the Ingest Interfaces (PowerApps Connectors, API, Blob Storage, etc.). Each Ingestor consists of a Document Handler and configuration in the Ingest Workflow.
- **Document Handlers:** The Ingest Workflow activates document handlers, which perform the tasks necessary to extract information from a Document and its constituent Document, create it in the Knowledgebase, and add it to the Analyze Workflow.
- **API:** A few Application Programming Interfaces (APIs) allow information to be passed into or out of Uneath AI. These include:
 - **Ingest API:** Used to pass information into Uneath AI Ingest from other applications.
 - **Analyze API:** Used to call APIs external to Uneath AI from the Analyze Workflow, execute processes and retrieve results.
 - **Knowledgebase:** Used to call external databases and data warehouses to integrate information into the Knowledgebase
 - **Discovery:** External systems can call the Discovery API to execute queries and retrieve information from Uneath AI.
 - **Action:** Allows Uneath AI to call external systems based on triggers set in the Analyze Workflow.
- **Analyzers:** Standard, Optional, and Custom APIs are executed by the Analyze Workflow:
 - **Standard:** Included as a part of Uneath AI and executed for all information.
 - **Optional:** Included in Uneath AI and can be trained for specific scenarios.
 - **Custom:** Built for a customer's specific requirements.
- **Dashboards:** The home page for a business process in Discover shows charts, lists of actions, data for business processes, and so on to allow users to readily see what they need to act on and provide the information and tools to do so.
- **Document Viewers:** Each file inside Uneath AI can be viewed in a document viewer. There are both standard and custom viewers. Standard viewers include PDF, video, data, and image, with files being translated into these common formats as a part of Analyze. Specialist viewers may be available or may be created for scenarios where more detail or interaction is required, such as forms, videos with navigation, specialized data, etc.

The Unearth AI Platform: The Tree of Life for Your Information

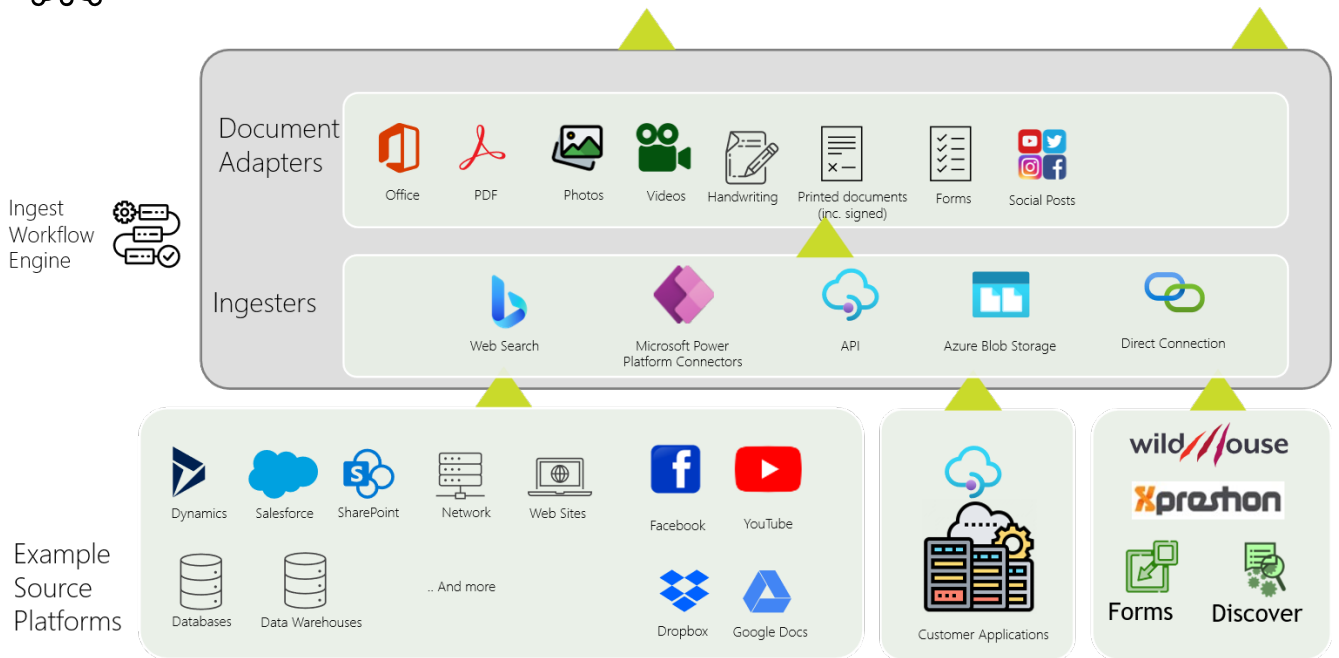
At Wild Mouse, we think of Unearth AI as a tree, with information dragged into the roots as raw materials, processed through the trunk and then exposed to the world in a new form through the leaves and branches.

The diagram on this page and the next show the broad architecture of the Core Unearth AI Platform, with the overall process and flow of information. The diagram on the following page shows the roots and trunk – the flow from external sources into Ingest, to Analyze and into the Knowledgebase on the following page. On this page, the branches are shown, along with the query engine and the Discover user experience, with the Action robotic process automation platform.





Ingest



Unearth AI Core Platform - Ingest

Ingest is a workflow-based engine that can ingest and process almost all information. This provides unique capabilities to the Unearth AI Platform, such as processing all information for ChatGPT or making decisions on many types of information combined.

All information that flows into Unearth AI passes through one of the following available Adapters into Ingest:

- An API for receiving information from other applications.
- A Microsoft Power Platform Connector.
- Azure Blob Storage.
- SharePoint.
- A direct interface from Unearth AI Forms.

Ingest uses Document Adapters to provide detailed information ingestion and understand document formats. Unearth AI provides Document Adapters for standard formats such as videos, Word documents, PDFs, etc. Additional Adapters can be created to enable the ingestion of new types of content.

Databases can be readily ingested, and records and documents passed in as they change.

The role of Ingest is to take incoming information, place an initial copy into the Knowledgebase as the original file, a standard format version of the file, and metadata about the file. It also sets up the Analyze workflow for each piece of information.



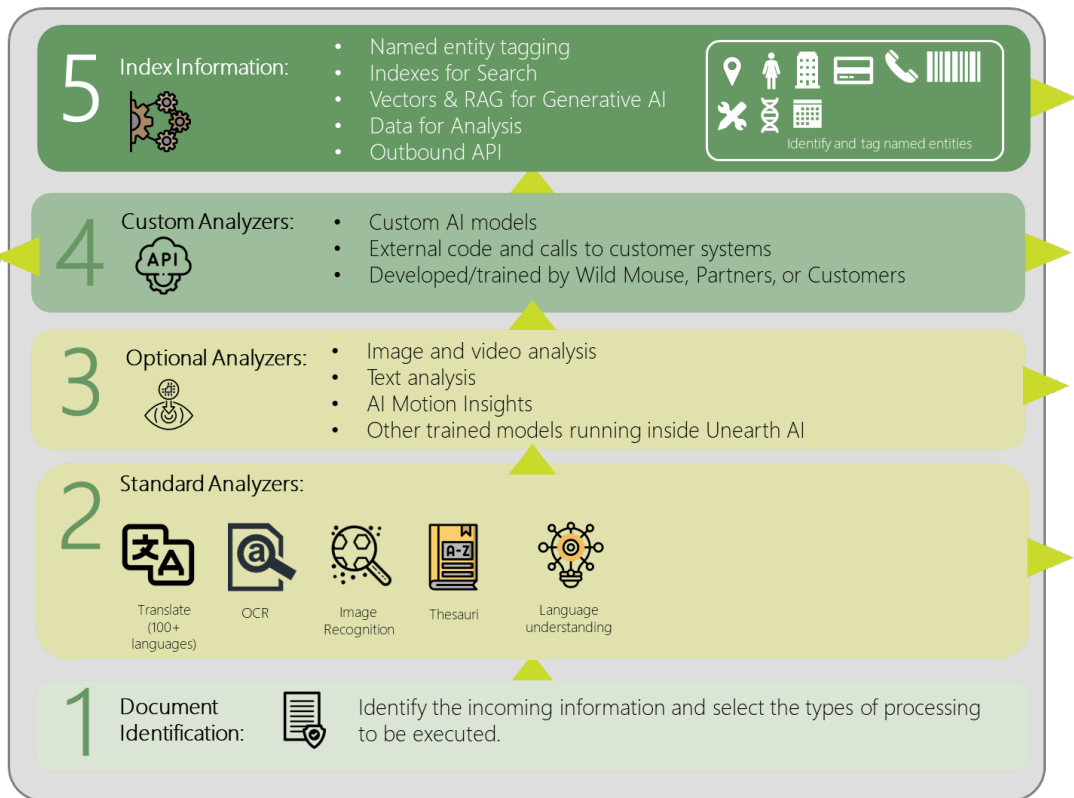
Analyse



Customer Applications



Analyse Workflow Engine controls flow, with Business Rules engine included for decisions.



Knowledge-base

Uneath AI Core Platform - Analyse

Analyse is a workflow engine that executes a series of standard, specialist, and custom Analyzers. Many Analyzers might, therefore, be run in each execution, using these to create an understanding of information as it flows into the Platform.

Analyse runs many different types of AI within the range of Analyzers to select from, ranging from image recognition to machine learning, text analytics, and the latest implementation of ChatGPT.

There are different types of Analyzers, some of which are standard, and some of which are run under specific circumstances depending on the source of information, the Corpus in use, and the type of document:

- **Standard Analyzers** are run on every document ingested. These include the Named Entity Recognizers used to identify company names, etc.
- **Optional Analyzers** extract information from documents, such as OCR or running speech-to-text on a video.
- **Custom Analyzers** are trained within Uneath AI to recognize information inside documents, such as image recognition and classification or document assessment. Custom



Analyse

Analysers include:

- **External Analyzers:** Custom code or trained AI called via an API to perform custom actions, such as making decisions from multiple pieces of information assembled, including links to external systems.
- **Business Rules:** Run as Analysers inside Uneath AI's business rules engine, allowing more procedural decisions that are not suitable to be made by AI to be executed.

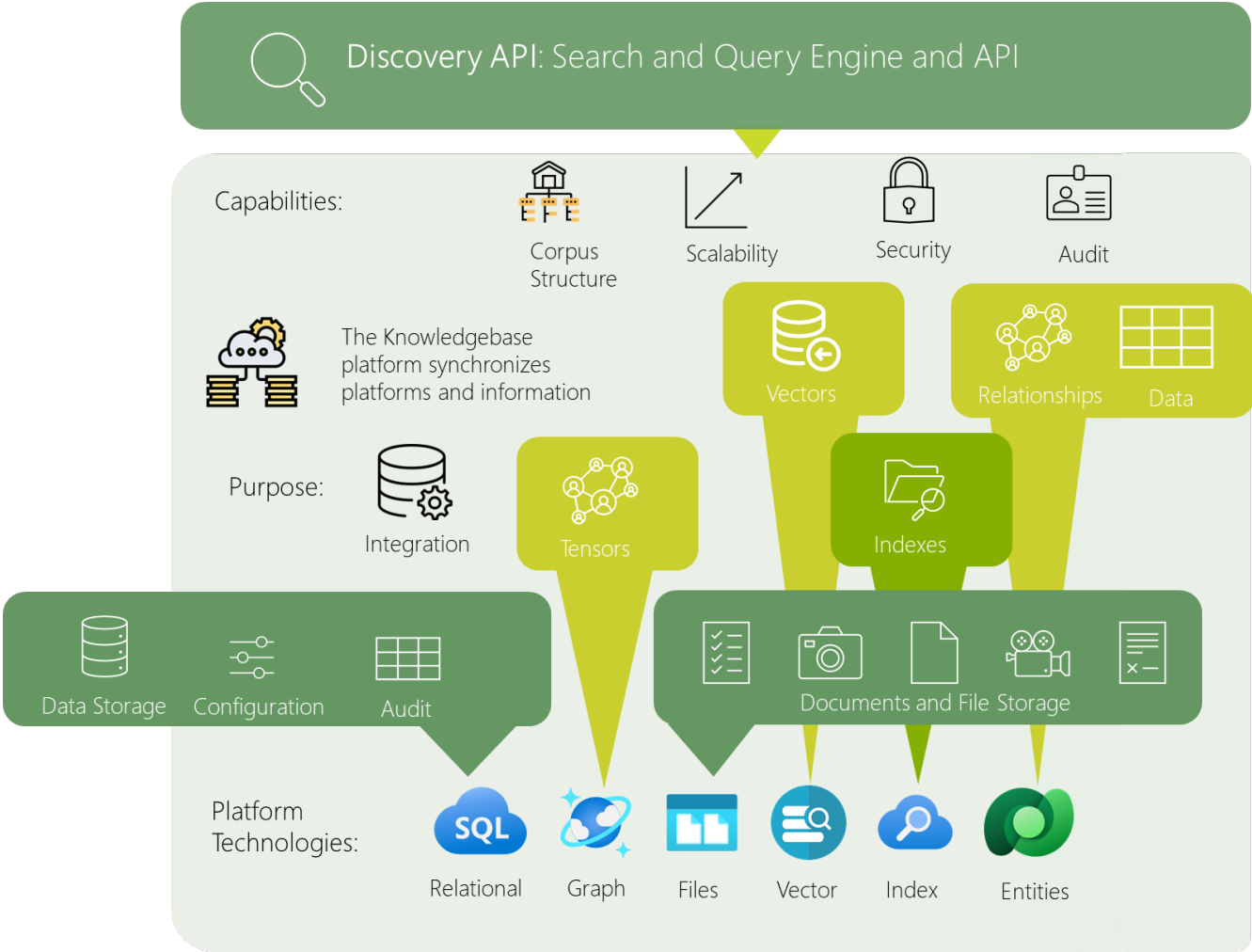
Analyse also prepares documents and extracts information to allow processing by ChatGPT if enabled for the relevant Corpus.

The execution of Analysers is controlled on a per-Corpus basis allowing different Corpora to perform different tasks.

Analyse has an API for checking documents quickly without processing them. It is used inside Forms to validate, for example, that a photo of a truck that needs to be validated does contain a truck.



Knowledgebase



Unearth AI Core Platform - Knowledgebase

At the heart of Unearth AI is its Knowledgebase, a unique database system developed by Wild Mouse that stores and manages documents of all types, with complex information and relationships about documents and data. It is highly scalable and consists of multiple synchronised cloud data storage platforms, including SQL Azure, Blob Storage, Vector Database, Dataverse, Cognos and Azure Search Indexes.

There are no direct APIs to the Knowledgebase for security.



Query and Discover

Partner and Customer Applications

Xpreshon Consumer Platform

Discover

Viewers:
Standard and specialized document viewers and playback

Processing:
Execute business processes in place in Discover

Documents:
Lists of documents with key information displayed.

Chat:
Chat about returned results using the power of GPT4o

Data:
Charting and data analysis

Maps:
Display results on a map

Other Displays:
Other ways of displaying results.

Query:
Filtering, chat, saved queries, automated queries.

Chat:
Pose complex natural language questions.

Discovery API: Search and Query Engine and API

Unearth AI Core Platform - Discover

Discover is a multi-faceted tool for use by staff inside an organization for administration, information discovery, and business processes. As with the rest of Unearth AI, Discover provides a new approach to information management. It combines search with chat and data analysis, along with a document viewer and execution and oversight of processes being executed by Unearth AI.

It allows queries to be executed across and within Corpora, bringing back results according to the options used to execute the query. Results are returned as a list of documents and in various ways depending on the Corpus, including data in a table or information on a map. Tools are available to help optimize queries. Results can be extracted as spreadsheets. Discover allows automated queries to be created and can email the results to users. These can be represented as Dashboards for Corpora, providing a view of documents being processed by Unearth AI as a part of a business process.

Documents can be viewed inside Discover through a series of specialised viewers for documents, forms, pictures, videos, etc. Documents can be downloaded. This allows the outcome of AI processing of forms and attachments to be viewed, confirmed, or updated and saved.

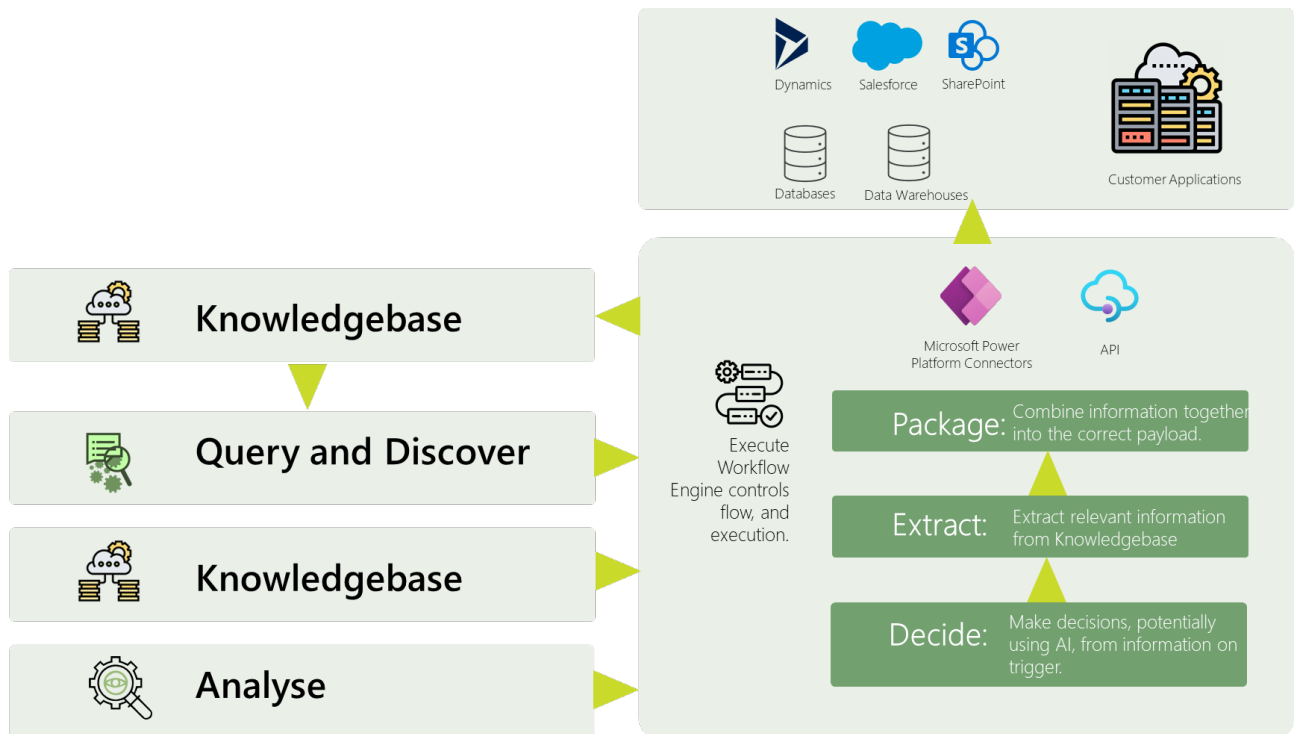
Tools are available in Discover to allow the status of the processing of documents to be updated, documents to be tagged, and comments to be attached. This assists with using Uneath AI as a workflow tool for validating AI processing before saving results to line-of-business systems via Action.

Discover also includes a role-based Administration Portal for the platform. Uneath AI provides a Query API that allows the information in the Knowledgebase to be queried via a search engine supplemented by AI, data analysis, information filtering and optionally ChatGPT. This allows a customer to extract information from Uneath AI into a line-of-business application if required.

It also provides a streaming media platform for live and on-demand video and audio streaming out of the Knowledgebase.



Action



Uneath AI Core Platform - Action

Action is a Robotic Process Platform that operates as a part of Uneath AI, fed by the components in Uneath AI and powered by AI.

Action is triggered by different parts of Uneath AI:

- Analyze patterns identified in an incoming document alone or when they are matched to other documents and information already contained in the Knowledgebase. The workflow engine can also create analyze triggers, including those triggered from external systems via the API.
- The Knowledgebase, where triggers watching information contained in the various storage platforms may recognize changing patterns of information.
- Discover or external systems via the Query API, where user actions, either explicit or implicit, can be captured as triggers.

Once a trigger has been captured from one of these sources the Action Workflow is triggered, one of a few main workflow engines in Uneath AI. The key steps executed by this workflow include:

1. **Decide:** Confirm the execution by taking the triggering information combined with other information to validate the triggering action.
2. **Extract:** Pull together key information from Uneath AI, both passed into Action and extracted from the Knowledgebase.
3. **Package:** Assemble the information together into the correct format and pass it outside of Uneath AI in whatever form is necessary, This might be JSON to pass to an API, a document to be emailed, or records to be saved into another system.



Optional Extensions



Optional Extensions

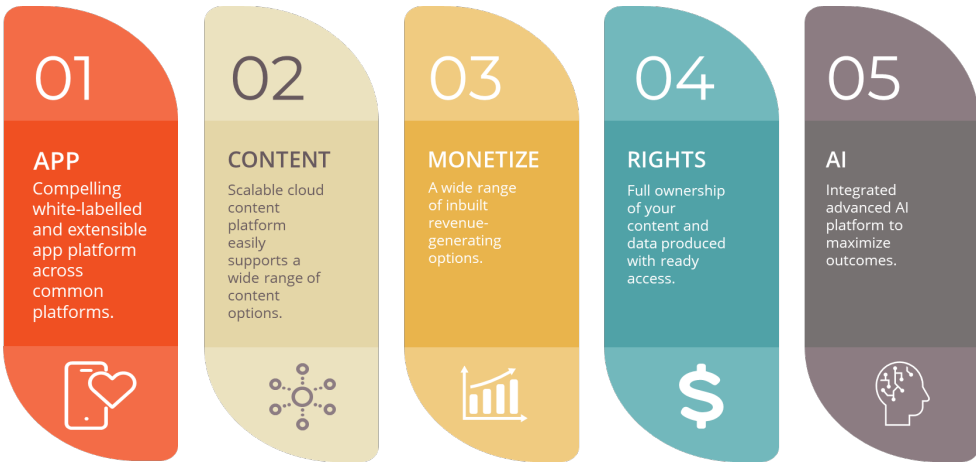


Unearth Forms

Business forms tool allows forms to be created to be completed by users, including on request. Information such as documents, photos and video can be attached for AI processing. Includes chat to provide assistance to the person completing the form.

Xpreshon

Consumer app platform hosts content, including live video and VOD with articles, profiles, etc. Includes social interaction and monetization. Provides a consumer-friendly platform for interaction with Unearth AI, powered by AI..



Seera

Seera is a compliance and competency management platform for managing staff or businesses against competency frameworks. Seera is ideal for regulators and businesses managing a supply chain.

Information Technology Experience (SFA) - 7.8		Competencies	Code	1 Follow	2 Assist	3 Apply	4 Enable	5 Ensure, advise	6 Initiate, influence	7 Set strategy, inspire, mobilise
Skills and quality	Skill management	Learning and development management	ETHE			3	4	5	6	7
		Competency assessment	LEDA			3	4	5	6	
		Learning design and development	THCR			3	4	5		
		Learning delivery	ETDL			3	4	5		
		Teaching and subject familiarisation	TEAC					5	6	
	People management	Performance management	PDPT				4	5	6	
		Recruiting	RESC				4	5	6	
		Professional development	PDPI				4	5	6	
	Quality and conformance	Quality management	QUMG			3	4	5	6	7
		Quality assurance	QUAS			3	4	5	6	
Relationships and engagement	Stakeholder management	Measurement	MEAS			3	4	5	6	
		Conformance review	CONF			3	4	5	6	
		Safety assessment	SPAS					5	6	
		Digital forensics	DF				4	5		
		Supplier management	SM			3	4	5		
	Sales and marketing	Contract management	CM				4	5		
		Customer service support	CSSP			3	4	5		
		Marketing	MKTG			3	4	5		
		Selling	SELG				4	5		
		Sales support	SSUP			3	4	5		
		Product management	PROD			3	4	5	6	

		SFA PROFESSIONAL SKILLS & SKILL LEVELS						
		Portfolio management	Information systems development	Programme management	Project management	Portfolio, Programme and Project Support	Change management, planning & management	Benefit management
Project Delivery Job Family Roles (Illustrative Role Titles)								
Head of Portfolio Planning		7	7	7				7
Portfolio Manager		6	6		6			
Head of Programme Delivery				7	7			7
Programme Manager				6		6	6	6
Senior Project Manager					6	5	5	
Lead Project Manager					5	5	5	5
Project Manager						4		4
Project Office Manager		5			5		5	5
Project Office Consultant					4			4
Project Office Analyst					3			



Optional Extensions



Unearth Forms



Although Uneath AI can accept information entered through other forms platforms via API into Ingest, there are some instances where additional integration into the process is required, such as tight integration of AI into the process of completing the form. Wild Mouse can provide Uneath Forms as an optional component in these cases.

Uneath Forms is an extension to Uneath AI focused on gathering information as evidence to support applications, audits and similar processing. This includes videos, documents, photos, answers to questions, etc.

Using the Uneath Forms tool is a breeze. Forms can be easily created and emailed to businesses. They can also be completed on a variety of devices, including phones, right in the browser. The tool also allows for easy attachment of evidence to questions, whether it's a file upload or integration with device cameras for photos, videos, or document scans.

The chat feature in Uneath Forms is a game-changer. It allows businesses to ask questions in real time, aiding in completing the form. The regulator can also view the in-progress form and attachments, enabling them to provide immediate answers to queries. This ensures the quality of the provided information and speeds up the form completion process.

Regulators can maintain forms. Forms are Liquid templates and can contain Syncfusion controls, conditional questions, formatting, and configurable logic.

When forms are sent out by Uneath Forms, staff can configure them to display and hide certain questions for specific instances when required, as shown on the next page.

Create Request

Incoming

Outgoing

Doc Library

Users

Organisations

Help

KF

© WFA 2024

Due Date

21/6/2024

Choose Form

Stones

Responding Organisation

Primary Contact

First Name

Last Name

Email

Phone Number

Secondary Contact

First Name

Last Name

Email

Phone

Business Details

Please confirm your establishments current address of operations.

Please confirm your companys business address (if different).

Please confirm your companys Australian Business Number(s) (ABN).

Please confirm your companys Australian Company Number (ACN).

Operation and Registration Details

Do any activities other than storage, handling of packaged food (i.e., Not exposing the food) and loading of food occur at this establishment?

Please provide details

What are the types of storage operations at this establishment? (Tick all that apply)

Are you freezing product? (For example, are you receiving product at +5° and reducing the temperature to +18°?)

Please provide details

Is product loaded for export at this establishment? (For example, directly into shipping containers or air cans or aside)

What are the major overseas markets?

Does your establishment have a self-sealing program in place for applying departmental seals to meet importing country requirements?

How many fulltime and part time staff are currently on site?

Have there been any changes to key management personnel in the last 12 months, including persons in control of daily operations?

Has the department been notified of these changes?

Has there been any significant changes to the structure of your establishment in the last year?

Has approval from the department been sought for this change?

Please describe the nature of the change

Has your establishment been subject to any product recalls or withdrawals in the last 12 months?

Please provide details

Has any product loaded out of your establishment been subject to any notification by overseas authorities, including detained consignments and errors on certification?

Please provide further details.

Is this establishment audited under any third party food safety certification schemes? (For example, BSC or SAI Global, HACCP)

please provide details (including frequency of audits).

Are you a member, or do you comply with any food codes of practice? (For example, the Australian Food and Grocery Council (AFGC) or the Australian Food Cold Chain Council (AFCOCC))

Please provide details

Document Upload

General cleanliness (inside)

General cleanliness (outside)

Packaging

Declaration

I understand, as the holder of the approved arrangement, I am responsible for verifying that there are procedures and resources in place at the establishment that are appropriate and will ensure that the requirements of the Export Control Act 2020 are complied with.

I have documented evidence that all current staff have been trained and assessed as competent in their role(s) as documented in the establishments approved arrangement.

I have documented evidence that all internal verification activities, including internal audits, have been completed as scheduled.

I declare that there have been no critical non-compliances identified in the previous 12 months, or where action has been taken to address critical non-compliance, all affected product or potentially affected product has been identified, isolated, and recalled.

I understand that I must notify the department of all variations to my approved arrangement and/or registration of which the Department must be notified, including changes of ownership, persons in management and control, major structural changes, changes of location, or changes of export operations. Where a variation may affect my ability to comply with export legislation or importing country requirements, I will obtain written approval from the department before changing my operations.

I understand that the department reserves the right to undertake additional compliance and verification activities, that may include audits.

I declare that the information provided above and in the establishment questionnaire is true and correct including changes of ownership, persons in management and control, major structural changes, changes of location, or changes of export operations. Where a variation may affect my ability to comply with export legislation or importing country requirements, I will obtain written approval from the department before changing my operations.

I understand, as the holder of the approved arrangement, I am responsible for verifying that there are procedures and resources in place at the establishment that are appropriate and will ensure that the requirements of the Export Control Act 2020 are complied with.

QA Manager

Name

Date

Senior Manager

Name

Date

Chat (0)

KF

Add New Comment


Go Back

Save As Draft

Submit

The status of forms that have been sent out, have been saved, or are otherwise being completed are shown inside Uneath Forms. This also shows those forms where a user has asked for help in completing the form, allowing staff to communicate with the user through the form.

Reminders are sent by Forms to help ensure that forms are completed by the due date.

Australia Government

Incoming

Outgoing

Doc Library

Users

Organisations



































Help

KF

© Wildhouse 2024

Outgoing

Create Request

Requested By	Organisation	Status	Assigned To	Due Date	Actions
Nadeesha Kularathna	Apollo Bay Fishermans Co-Op Society Ltd (...)	Submitted	Not Assigned	10/08/2024 11:00 AM	  
Nadeesha Kularathna	Chill Wa Pty Ltd (3166)	In Progress	Nadee User708	10/08/2024 11:00 AM	 
Nadeesha Kularathna	Austfish Pty Ltd (2731)	Submitted	Not Assigned	11/08/2024 10:20 AM	  
Nadeesha Kularathna	Apollo Bay Fishermans Co-Op Society Ltd (...)	Submitted	Not Assigned	11/08/2024 12:52 PM	  
Nadeesha Kularathna	Austfish Pty Ltd (2731)	Submitted	Not Assigned	11/08/2024 01:04 PM	  
Nadeesha Kularathna	Chill-3166	Draft	Not Assigned	11/08/2024 02:52 PM	  
Nadeesha Kularathna	Austfish Pty Ltd (2731)	Submitted	Not Assigned	11/08/2024 02:53 PM	  
Dimuthu Jayasinghe	Chill Wa Pty Ltd (3166)	Submitted	Not Assigned	12/08/2024 03:35 AM	  
Bhagya Senanayake	Access Cold & Dry Storage Pty Ltd (2408)	Submitted	Not Assigned	12/08/2024 09:23 AM	  
Bhagya Senanayake	Abtas Marketing Pty Ltd (3806)	Submitted	Not Assigned	12/08/2024 09:28 AM	  
Nadeesha Kularathna	Skybree Pty Ltd (3698)	Downloading	Nadee User708	12/08/2024 03:45 PM	 
Sam Gason	Access Cold & Dry Storage Pty Ltd (2408)	Submitted	Not Assigned	13/08/2024 09:29 AM	  

<

<

...

41

42

43

44

45

46

47

48

...

>

>


48 of 49 pages (581 items)

As each form reaches the point where it is ready to be processed a reminder is sent to staff with a link to the form. The status of the form in the portal is updated.

Forms can be automatically processed into Uneath AI if required, or at this point, it may be prudent for staff to check that each form has been completed correctly, use the chat to explain any deficiencies and send the form back for completion.

The screenshot on the next page shows this process.

Once a form is ready for processing, either manually or automatically it is sent to Uneath AI Ingest for processing.



Incoming

Outgoing

Doc Library

Users

Organisations

Help

KF

0 kmh 20/08/2024

Evaluate Response

Primary Contact

First Name *

Alan

Last Name *

Ben van den

Email *

test@gmail.com

Phone Number *

+61320212345

Secondary Contact

First Name *

John

Last Name *

Geenaghart

Email *

test@gmail.com

Phone *

+61343232345

Business Details

Please confirm your establishment current address of operations *

SA R358E 075887

Please confirm your company business address (if different) *

SA R358E 075887

Please confirm your company Australian Business Number (ABN) *

64 000 000 000

Please confirm your company Australian Company Number (ACN) *

075 000 000

Operation and Registration Details

Are there any activities at this establishment other than those that relate to packing of the seafood for export? *

Yes

Please provide details *

Text

Where do you source water for use in your Seafood facility from? Please provide specific details of location (e.g. sea water from facility, rain water, reservoir, manufactured water) *

Text

How do you determine that the water is suitable for use? Please provide details *

Text

How do you treat fish in your condition? (The examples do not export, isolate (hospital area), antibiotic use treatment with addressing periods) *

Text

Do you isolate or chill the seafood for transport? *

No

Please provide details of the method used *

Is product loaded directly for export from the establishments, or is not and transferred to another establishment before export? *

No

How many facilities and/or their staff are currently on site? *

5

Have there been any changes to top management personnel in the last 12 months, including personnel in control of daily operations? *

Yes

Has the equipment been modified of these changed? *

Yes

What percentage (approximate) of total financial assets of the business you receive is exported? further details (add text) *

75

Has your establishment been subject to any product recalls or withdrawals in the last 12 months? *

No

Please provide details *

Has any product tested out of your establishment been subject to any notification by overseas authorities, including relevant consignments and money account returned? *

No

Please provide details *

Is this establishment subject under any third party food safety verification schemes? (The examples: ISO or HACCP, HACCP) *

No

If yes, please provide details (including frequency of audits) *

Document Upload

Packing and labelling process

OFF (11.jpg)

concrete-loading-dock-design.jpg

Immediate container

R (13.jpg)

Labels

concrete-loading-dock-design (11.jpg)

transfer documentation/dispatch records

car-vehicle-helway-115679 (11.jpg)

Fish packing location

Sign.jpg

Storage tanks

photo photo-270004.jpg

Declaration

I understand, as the holder of the approval arrangement, I am responsible for verifying that there are no premises and location of the establishment that are appropriate and will ensure that the requirements of the Export Control Act (2005) are complied with. *

I Agree

I have documented evidence that all current staff have been trained and assessed as competent in their roles as documented in the establishment approval arrangement. *

I Agree

I have documented evidence that all internal verification activities, including internal audits, have been completed as scheduled. *

I Agree

I have documented evidence that all non-compliance identified through internal or external means in the previous 12 months have been actioned, the root cause identified, and effective measures have been taken to prevent recurrence. *

I Agree

I declare that there have been no critical non-compliance identified in the previous 12 months or where action has been taken to address critical non-compliance, all affected product or potentially affected product has been identified, isolated, and recalled. *

I Agree

I understand that I must notify the Department of all variations to my approval arrangement under regulation of which the Department must be notified, including changes of ownership, persons in management and control, major structural changes, changes of location, or changes of export operations. Where a variation may affect my ability to comply with export legislation or reporting country requirements, I will obtain written approval from the Department before changing my approval. *

I Agree

I understand that the Department reserves the right to undertake additional compliance and verification activities that may include audits. *

I Agree

I declare that the information provided above and in the establishment questionnaire is true and correct. *

I Agree

Senior Manager

Name *

Nathan

Date *

07/08/2024

QA Manager

Name *

Liam

Date *

07/08/2024

Organisation

Southern Pty Ltd (SPL)

Status

Download

Assigned To

Nathan User750

Requested By

Kulendra Kulathirna

Requested Date

07/08/2024 5:46:14 PM

Due Date

12/08/2024 5:45:45 AM

Test (3) *

Add New Comment

Save Comment

Updated

By Nathan User750 at 04:00 pm, 07 August 2024

add

By Kulendra Kulathirna at 02:40 pm, 07 August 2024

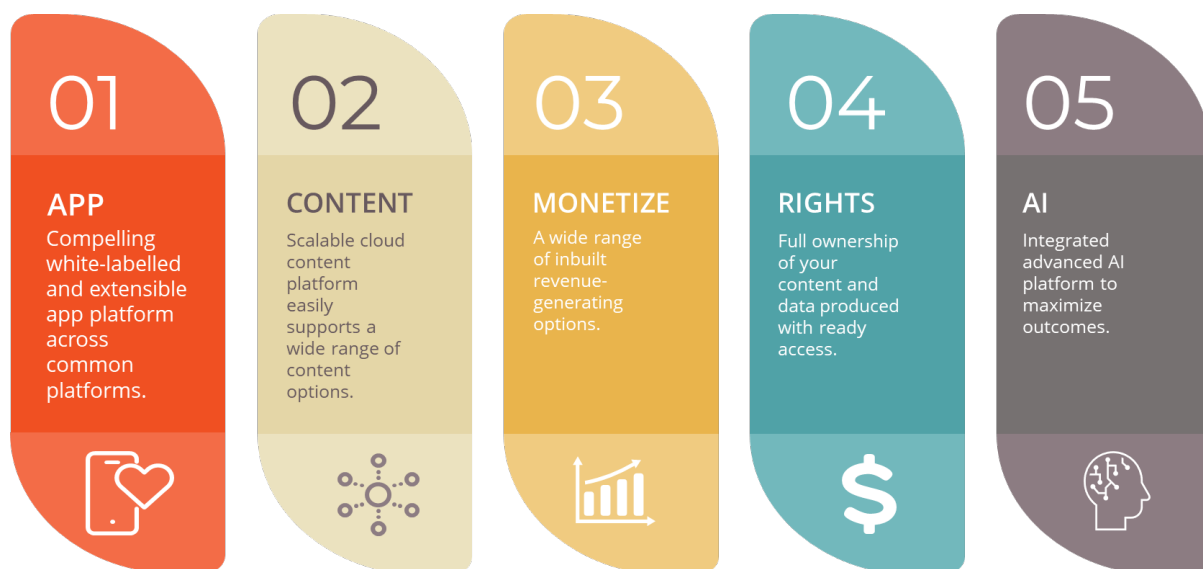
Go Back

Ready to Assess



Optional Components





Xpreshon is an optional consumer-facing extension to Uneath AI, powered by its AI capabilities. It delivers content to users to build engagement and provides a set of tools to cement that engagement and a platform to deliver unique capabilities powered by Uneath AI.

Firstly, there is the white-labelled app platform. This includes apps on phones, tablets, computers, the web and other devices. These deliver secure operation, compelling user experiences, and branding and can host custom functionality.

Uneath AI ingests, understands and creates links between audio, video, articles, images, events, products, and other forms of content. Xpreshon streams this content into its cross-platform apps, allowing users to follow links, get recommendations and view feeds curated by AI.

Monetization is seamlessly integrated within the app, from advertising to memberships to supporting sponsorships, to a subscription engine and even eCommerce, all integrated into the experience and linked to content, providing a secure and confident business model.

Two common factors tie the story together for our customers:

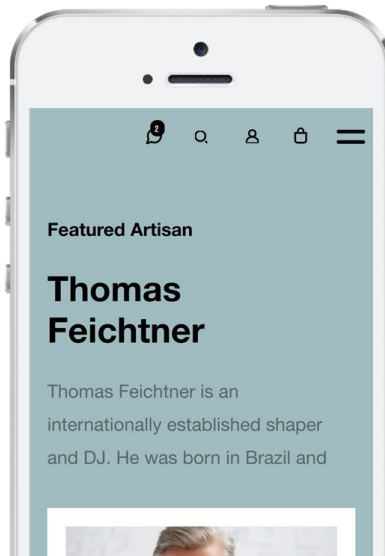
1. Wild Mouse's clarity in our role. Our customers own and have control over their content and can even have ownership of unique functionality.
2. Uneath AI's powerful AI capabilities quietly power the core functionality and surface through Xpreshon, providing a platform for the development of unique and engaging experiences.

**APPS****SECURITY**

OAuth 2.0, 2FA, etc., as required.
Integrated DRM. We provide a safe and secure platform for you, your users and your content.

**CONTENT**

Text, video and images held in a cloud content system that allows you to create articles, personalities, news, teams, events, locations, products, all with interconnected relationships.

**VIDEO**

VoD, live video, even VR. High performance, cloud scale handles the largest events and the shakiest connections gracefully.

**BRANDING**

Apps with your own look and feel, colors and brand, right down to the app store listing and icon. Xmouse Live only appears in the About screen.



Platforms supported by Xpreshon include:

- Apple iOS devices: iPhones and iPads. Optional apps for OSX for MacBook, etc.
- Android phones and tablets.
- Windows PCs.
- Web

Other optional platforms include set-top boxes and game consoles.

Common consumer authentication methods are available.

Apps can be branded with your organization's brand. Specific look and feel and functionality can be added if required.

The following types of content are available in Xpreshon, populated from Uneath AI:

- Articles and news items
- Photos and images
- Videos: Live and on-demand.
- Events
- Locations
- Products

Typically, content is provided to the user as feeds, like other platforms. Users can select an item in the feed to bring up the item in detail. Content is displayed in the feeds depending on interests, selected filters, and other rules.

The ability to link information together - both explicitly and through Uneath AI creating links itself - is important. This allows content items to be linked together, such as locations to events, products to videos and so on.



Optional Components

SEERA™

Unearth AI is excellent at ingesting a wide range of information to process, understand, and extract information from. When ingesting information from a set of businesses, staff, athletes, or equipment, it can become beneficial to use this information to measure the outcomes against a standard to allow stars to be identified, ranking against tiers or risk levels, etc.

The Unearth AI Standards Measurement Platform, Seera, is an optional component that allows the creation of Competency Frameworks inside Unearth AI. Competency Frameworks are a set of measures grouped into categories. Each measure has levels that can be scored against. Information gathered by Unearth AI can be applied to each measure.

The Standards Measurement Platform can also manage regulated entities itself or be integrated with a supplier management platform to provide AI-powered assessments against standards.

Standards management can also be used to analyse the readiness of athletes, staff, etc., for assignments, and can even be used to profile and create teams for different scenarios.

Standards Framework

Information Technology Experience (SITA) - 7.0		Competencies	Code	1 Follow	2 Assist	3 Apply	4 Enable	5 Ensure, advise	6 Initiate, influence	7 Set strategy, inspire, mobilise
Skills and quality	Skill management	Learning and development management	ETNG			3	4	5	6	7
		Competency assessment	LEDA			3	4	5	6	
		Learning design and development	THOR			3	4	5		
		Learning delivery	ETDL			3	4	5		
		Teaching and subject formation	TEAC						6	
	People management	Performance management	PEHT				4	5	6	
		Resourcing	RESC				4	5	6	
		Professional development	POSV				4	5	6	
	Quality and conformance	Quality management	QUING			3	4	5	6	7
		Quality assurance	QUAS			3	4	5	6	
		Measurement	MEAS			3	4	5	6	
		Conformance review	CORE			3	4	5	6	
		Safety assessment	SFAS					5	6	
Relationships and engagement	Stakeholder management	Digital forensics	D				4	5		
		Sourcing	S			3	4	5		
		Supplier management	S			3	4	5		
		Contract management	C			4	5			
		Relationship management	R			4	5			
	Sales and marketing	Customer service support	C			3	4	5		
		Marketing	M			3	4	5		
		Selling	S				4	5		
		Sales support	S			3	4	5		
		Product management	PROD			3	4	5	6	

Project Delivery Job Family Roles (Illustrative Role Titles)	SFIA PROFESSIONAL SKILLS & SKILL LEVELS							
	Portfolio management	Information systems coordination	Programme management	Project management	Portfolio, Programme and Project Support	Change implementation planning & management	Benefits management	Relationship management
	Head of Portfolio Planning	7		7	7			7
	Portfolio Manager	6	6		6			
	Head of Programme Delivery			7	7			7
	Programme Manager			6		6	6	6
	Lead Project Manager			6		5	5	5
	Senior Project Manager				5	5	5	5
	Project Manager				4			4
	Project Office Manager	5			5			5

Seera allows the creation of competency frameworks on the platform. This allows the various aspects of business operation,. Quality control, manufacturing standards, etc., to be documented in a framework with categories and measures of competency.

Seera can be used to assess skills and competencies against configured frameworks. Unearth AI can capture information for these assessments from solutions such as Licensing, Audit and Compliance, and Horizon Scanning.

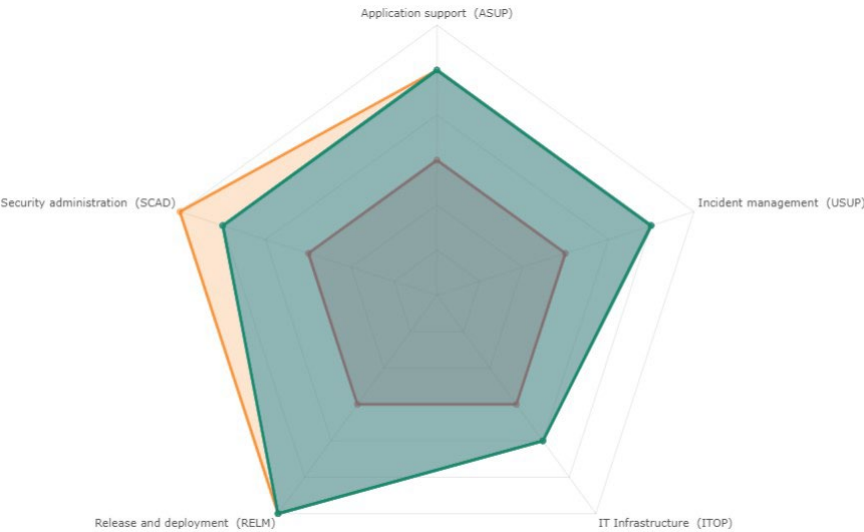
This information can be used to build an assessment of regulated businesses or businesses in a company's supply chain over time, with ongoing assessment, gap analysis and alerting powered by Seera's management system and Unearth AI.

Seera can also be used as a management tool for managing regulated entities.

Compliance Management

	Capability Analysis															Gap Analysis														
	Autonomy (AUTO)	Business Skills (BUSK)	Complexity (COMP)	Constructive Supervision (CS-27.1)	Customer focus (PC3)	Detail focus (PC4)	Influence (INFL)	Knowledge (KNOWL)	2. New service products and services (ITSP)	2. Pricing the risk (SLUPP)	3. Commercial sales skills (CS)	3. Understanding process (SLUPP)	6. People management (IPM)	Applications support (ASUP)	Architecture Design (AS-5)	Autonomy (AUTO)	Business Skills (BUSK)	Complexity (COMP)	Constructive Supervision (CS-27.1)	Customer focus (PC3)	Detail focus (PC4)	Influence (INFL)	Knowledge (KNOWL)	2. New service products and services (ITSP)	2. Pricing the risk (SLUPP)	3. Commercial sales skills (CS)	3. Understanding process (SLUPP)	6. People management (IPM)	Applications support (ASUP)	Architecture Design (AS-5)
Aaron Tendo (12574) Application Analyst/Administrator (AAAD002)	5.0	5.0	5.0				5.0							5.0		0.0	0.0	0.0				0.0								2.0
Abram Khan Acc JNR (8808)																														
Alice 1 Hampton (112786) Claims Services Consultant (CSC-001)									2.0	4.0	1.0	3.0	3.0											-2.0	1.0	-1.0	1.0	0.0		
Allison Kennedy (1547844) Business Analyst (BA-002)			7.0	1.0			4.0	5.0									0.0	0.0				1.0	4.0							
Brent McAlpine Automation Engineer (06408)																														
David Luis (1270564543) Project Manager ECF (PME-001)																														
Francisco Barbosa (X1727) Developer - Junior (DEV-JUN)																														
George Simons (X1480) Developer - Junior (DEV-JUN)																														
Jasmine Santos Senior Test manager (STM-2)	3.0	3.0														2.0	-4.0													
Javier Gallego (12701) System Architect (SA-001)														5.0																1.0
Jeff Maxwell Account Manager (AM121)	5.0	7.0	6.0				2.0	6.0								1.0	5.0	1.0				-5.0	-1.0							
Samuel Ellison (X14519) Business Information Manager (BIM-001)																														
Tom Cummins Administrator (amdm02)					1.0	1.0	2.0														0.0	0.0	1.0							

Compliance Management





Capabilities

Integrations



Capabilities

Generative AI

The Benefits of Generative AI

Generative AI offers numerous benefits that significantly enhance business operations and personal productivity.

Through tools like OpenAI ChatGPT or Microsoft CoPilot, Generative AI can create content like reports, articles, and marketing materials to first draft very quickly, saving time and increasing focus and productivity.

These tools can also analyze enormous amounts of text and generate insights where staff struggle with the amount and complexity of information. Generative AI can identify patterns, trends, and anomalies in data. Some organizations use generative AI to personalize customer interactions, creating tailored experiences that meet individual needs and preferences.

Challenges with Generative AI Adoption

Adopting AI in an enterprise setting comes with several challenges, particularly in copyright, information leakage, hallucinations, and accessing the correct information to produce accurate responses.

- **Copyright protection:** Generative AI models often rely on vast amounts of data, some of which may be copyrighted. Ensuring that AI does not inadvertently use or reproduce copyrighted material without proper authorization is crucial. Robust mechanisms are required to filter and verify accessed and produced information, which can be time-consuming and complex.
- **Information leakage:** Enterprises handle sensitive and confidential data and using AI systems introduces the risk of exposing or misusing this information. This is especially the case where consumer systems like ChatGPT can inadvertently ingest information provided through prompts into platforms outside the organization. Implementing stringent data security measures and ensuring that AI models are trained and operated within secure environments is essential to mitigate this risk, including using encryption, access controls, and regular audits to ensure compliance with data protection regulations.
- **Hallucinations,** or the generation of incorrect or nonsensical information by AI models, pose a unique challenge. These errors can undermine the credibility and reliability of AI systems, especially in critical business applications. Hallucinations appear because AI models are trained on incorrect, inaccurate or irrelevant information. Addressing this issue requires continuous monitoring and fine-tuning of AI models to ensure they produce accurate and relevant outputs. Additionally, incorporating human oversight and validation can help catch and correct these errors before they impact business operations.
- **Information availability:** Finally, accessing the correct information to produce accurate responses is a fundamental challenge in enterprise AI adoption. AI models need high-quality, relevant data to function effectively. However, accessing and integrating this data from various sources within an organization can be difficult. This often involves overcoming data silos, ensuring data quality, and establishing robust data governance practices. By addressing these challenges, enterprises can harness the full potential of AI while minimizing risks and ensuring compliance with legal and ethical standards.

Unearth AI provides an onramp for adopting AI, including generative AI. It does this by providing generative AI as Analyzers and integrating it into Discover. It solves the most significant challenges with using AI by ensuring that the generative AI is trained on the correct information to provide trustworthy responses.

Flexible Generative AI Selection

Unearth AI empowers you with an architecture that allows different AI engines to be used in various places inside the Platform. Wild Mouse keeps a brief watch on AI technologies, and where one particular technology significantly leapfrogs the technology used, we can swap to it. This is also the case with generative AI.

At the time of writing, Unearth AI uses ChatGPT 4o as the most capable, with it hosted on Azure inside the boundaries of the Wild Mouse tenant.

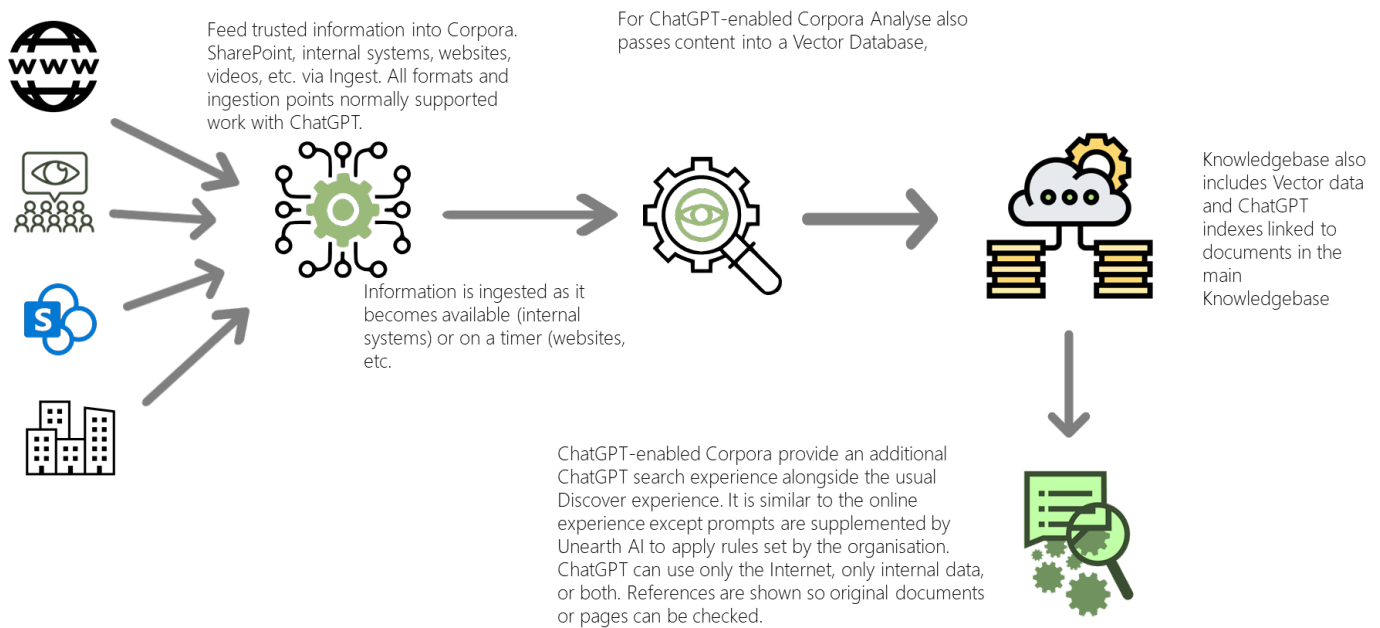
Should a particular customer desire different AI technologies, rest assured Wild Mouse can generally accommodate this in our plug-and-play architecture.

Generative AI Analyzers

Generative AI is available as an Analyzer to process and understand language to help with processing documents, providing superior language analysis for a better understanding of incoming documents. It is also used for creating image descriptions and similar.

We also use Generative AI to identify critical points of interest in text extracted, such as companies, people, products, etc.

Generative AI also allows more complex assessments and decisions on the fly on each piece of information as it flows in.



Focused and Safe ChatGPT

Uneath AI addresses the everyday challenges of using generative AI inside an organization, such as copyright protection, information leakage, hallucinations, and reliable outcomes.

It does this by executing training of generative AI models. (a process known as RAG) only on the information inside each corpus in the Uneath AI Knowledgebase. This process is assisted by the fact that Uneath AI can ingest such a broad range of information from inside the organization combined with only selected information from outside the organization - such as trusted websites.

As a result, when users query ChatGPT inside Uneath AI Discover, the results returned are limited to trusted information, and therefore, the conclusions drawn are reliable. Furthermore, Uneath AI assists in ensuring the accuracy of ChatGPT queries by guiding and wrapping the user's prompts to ensure optimization and accurate results, with less reliance on users learning prompt engineering.



Capabilities

Image and Video Analysis

Processing Photos

Image recognition by AI is a relatively mature technology, and it is one of the first results of new work that has occurred in the AI space with the advent of cloud computing. See the Introduction for more information on the history of AI.

Image Analysis is executed by Uneath AI in different ways:

- It examines images to determine what is in them, identify components, and describe what it can see. For example, it might see a yellow truck in front of a red brick building.
- It uses Optical Character Recognition on the images to retrieve any text.
- It retrieves the location where the image was taken, the date and time it was taken and other information

Where images are being assessed for compliance or identifying items in them, etc., Uneath AI is trained by uploading many photos. For example, by uploading a set of photos that show handrails that are compliant with safety rules and a set of photos of handrails that are not compliant, Uneath AI becomes able to identify the ones that are not. This also works for types of grains, damaged packaging, rock strata in satellite images, injured animals, cell structures in microscopic images, or anything else.

The number of photos needed depends on the scenario but is generally in the low hundreds.

Depending on the solution in use, Uneath AI also compares images attached to forms to training images to assess compliance, work out what the image contains, etc. This process is quite accurate and becomes more accurate over time as more and more training is executed.

Uneath AI can be used to gather images from forms, and then process these images manually to use for training. Where recognition does not work correctly, or the user takes photos of unexpected items, Uneath AI provides a mechanism for these to be flagged and used for additional training to improve accuracy and resilience.

Other rules can also be executed in processing images, such as ensuring that the date and time that the image was taken matches the time the form was completed, that the photos were all taken at the same location and with the same device, and were taken at the right address, etc.

Using Photos for Compliance



Unearth AI allows end users to create and train image recognition models. These are able to identify an operational chiller unit vs one that is not in good condition, a floor that is not in suitable condition for food storage, or door flaps that are worn.

Models can also be trained to recognize photos or scans of documents such as certificates, forms, etc. and extract key information. Models can even extract information from digital displays, and other scenarios.

These various options allow assessment for audits and licencing, etc., in a wide range of scenarios with simple setup and reliable operation.

Each photo that is submitted to Unearth AI also has other key information extracted from it such as when and where it was taken, allowing additional validation.

Images are validated against the trained models for compliance, or whatever relevant business rules have been configured.

Processing Videos

Video processing is an extension of the image processing.

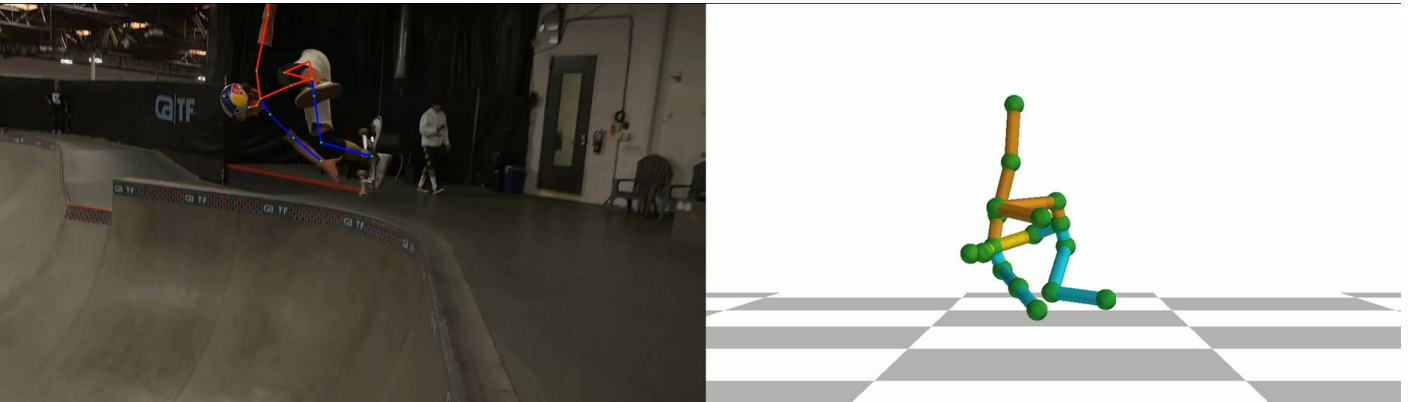
Unearth AI processes all ingested videos through speech-to-text AI to turn spoken words into text that can be processed by Generative AI for assessment. Text seen in the video is processed using OCR, logos can be identified, and the date and time of recording, the device used, and the recording location can all be gathered and used if available. This is all possible for videos located online or loaded from a form.

When Unearth AI is employed to assess videos for compliance, it executes a streamlined process:

- Unearth AI runs through the video either looking for specific items in frames or when the camera has moved to something new (or something new has entered the frame).
- At these points, Unearth AI will extract one or more frames and process them using the same photo analysis process as other images.
- The result of the AI can be processed by business rules for both single images and the video overall.
- Unearth AI Discover provides a video viewer that will display the video and the images extracted from it for processing, allowing assessors to understand the context in which the images were taken.

Phones or other cameras, including CCTV, can capture footage. CCTV footage can be processed in near real-time, allowing issues to be quickly identified and alerts raised.

AI Motion Insights



Wild Mouse has been collaborating with the AI team in Microsoft on the development and fine-tuning of the AI Motion Insights technology for Uneath AI over the past two years.

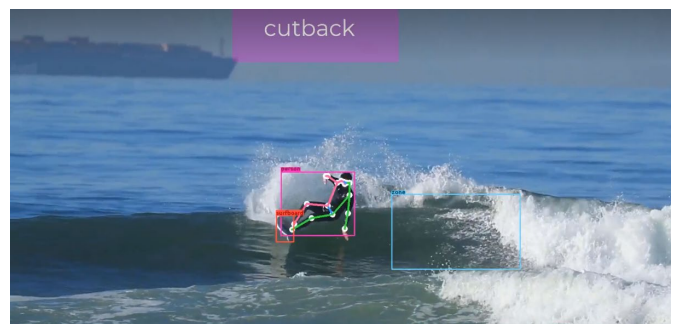
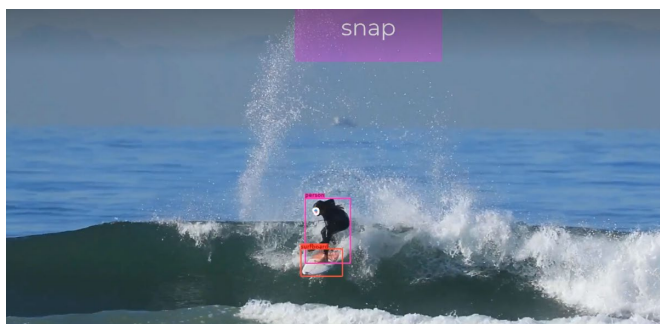
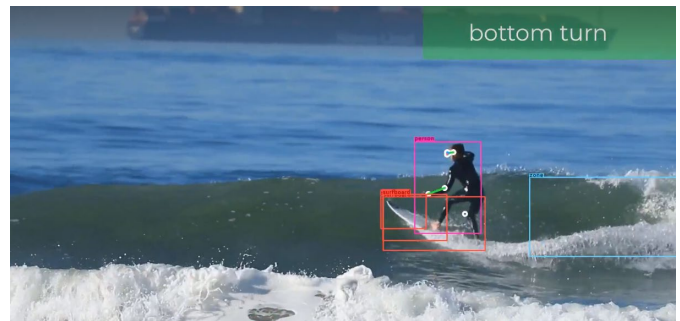
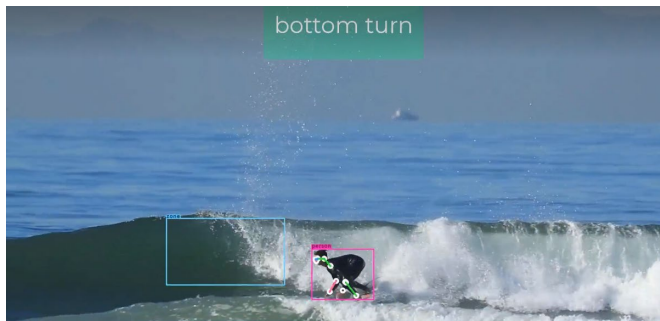
AI Motion Insights builds an accurate 3D skeleton from standard video footage. This groundbreaking technology processes standard video footage recorded on a phone, fixed camera, or similar device to accurately extract a moving 3D skeleton. This skeleton can be recorded and tracked in real-world conditions—in the factory, at the beach, indoors or outdoors. It can track people even as they briefly go out of sight, such as surfers behind a wave, workers passing behind equipment, etc.

The identified movements can be tracked and monitored against trained models to identify the actions being attempted or executed. This allows for the identification and measurement of athlete performances, the monitoring of worker movements for safety, and other scenarios.

Uneath AI serves as the ideal platform for hosting the AI Motion Insights technology and the processing required to combine it with other athlete information, thereby producing a comprehensive athlete training platform.

Other items, such as equipment and the environment, can also be identified in the videos. This allows interactions between, for example, a surfer, their board, and the wave to be measured and assessed

Object Identification



Video processing using AI is highly capable, with several technologies available and implemented in Uneath AI. An example of this is identifying key items in videos for coaching for surfing.

Because Uneath AI executes multiple AIs on each piece of information that passes into the platform, including videos, multiple passes can be made to identify multiple items in each frame, with the relationships between them.

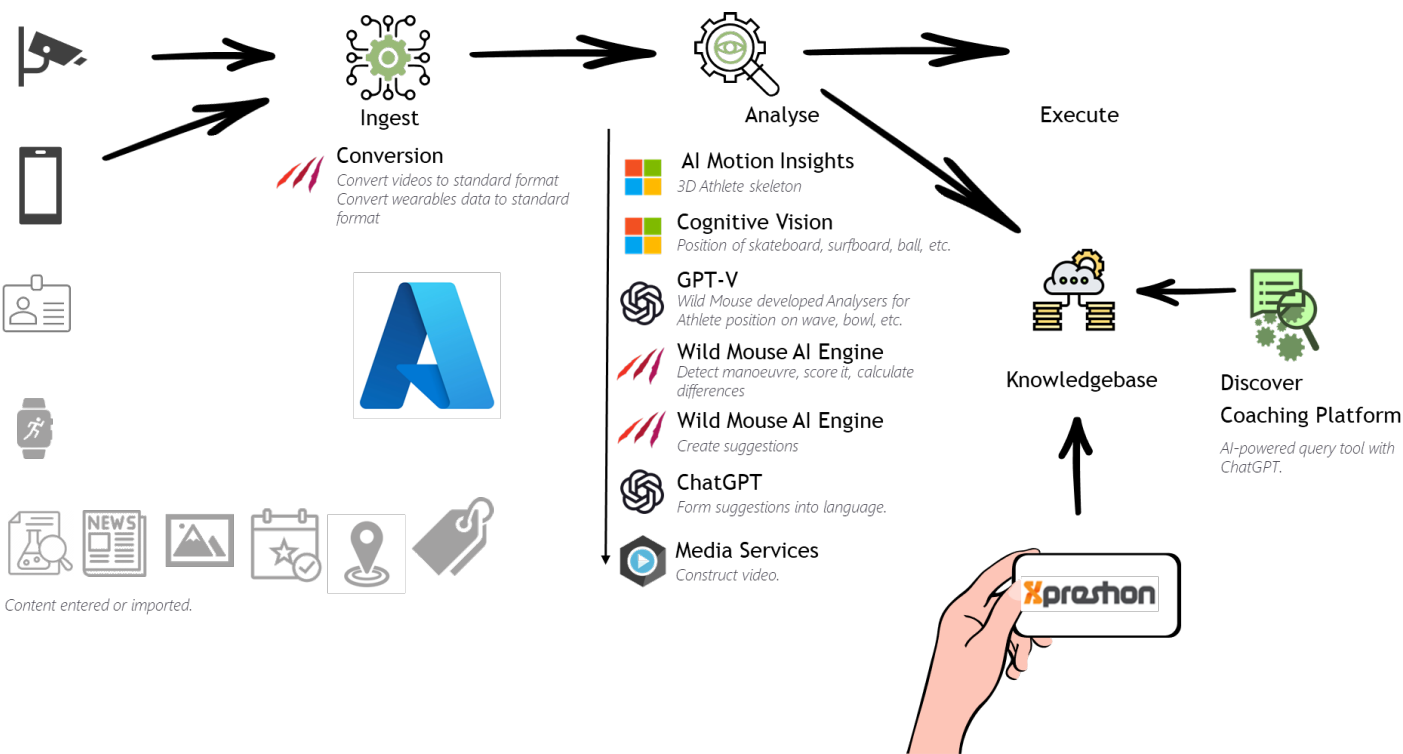
In the example above, AI Motion Insights identifies the athlete and creates a 3D skeleton with their limbs. Other models identify the board and the breaking part of the wave, and Uneath AI measures the relationship between each of these.

The movement of the athlete's limbs, with the movement of the board and wave, is used to identify the maneuver the surfer is attempting to execute.

Uneath AI can also track and measure the relationships between people in videos, which is helpful for team coaching in sports.

This important capability can be used in many different scenarios, including physiotherapy and other healthcare scenarios, monitoring factory equipment and worker behavior for safety, animals and many other scenarios.

Overall Process



Viewing the overall process demonstrates the Uneath AI Platform's power for complex information processing and automated decision-making.

Firstly, it can uniquely ingest the wide range of information needed to provide a holistic understanding of an athlete, such as statistics and profile information, wearables data, coaches notes, medical information, articles and videos and more.

Then, it can perform complex, multi-step AI processing to create a complex model, such as scoring an athlete's performance. It executes multiple related AI models, each with a specialised role, adding to a corpus of information that can be processed to assess each performance.

The Knowledgebase allows all performances to be stored over time. Action allows analysis over time with prediction, alerting, and passing results into internal systems, such as Athlete Management Systems.

Results of individual and team performances, with trends, comparisons, what-if analysis, report generation and more useful tools for coaches and Administrators, can all be executed in Discover.

Action allows results to be passed into internal systems such as Athlete Management Systems and raises alerts when AI identifies a need.



Capabilities



Research & Investigation

Quantifying Common Process and Productivity Challenges

Finding information to do one's job is difficult and time-consuming for staff inside an organisation who need to work with information to make decisions. This can be the case for anyone creating new policies or writing proposals. This is more of an issue for staff doing formal tasks like forensic investigation or scientific research.

The following common challenges exist in all organisations that have not yet adopted a suitable AI platform:

1. **Data Overload:** The sheer volume of data generated daily is overwhelming. Sifting through to find relevant data points can be time-consuming and overwhelming.
2. **Limited Access to Information:** All organisations store information in separate departments and systems—online, legacy, and even on paper. This fragmentation makes it difficult for staff to access comprehensive details quickly.
3. **Outdated Technology:** Many organisations still rely on legacy systems not equipped to handle modern research demands. These outdated technologies can be slow, unreliable, and incompatible with newer tools.
4. **Manual Processes:** Fragmented information requires manual consolidation, recording of results and manual analysis, leading to human errors and inconsistencies.
5. **Difficulty in Identifying Patterns:** Recognising patterns and trends in data can be challenging, limiting the ability to make data-driven decisions and anticipate future issues.

There is a need for skills, processes and knowledge in the organisation and from its staff to address the above often unrecognised gaps:

1. **Skills:** Not all staff possess the technical skills required to analyse complex data sets or use advanced research tools, limiting the depth and scope of their investigations.
2. **Resource Limitations:** Budget constraints often prevent organisations from investing in the latest technology or hiring additional staff, putting extra pressure on existing employees to manage workloads.
3. **Security Concerns:** Data privacy and security are significant challenges, especially when handling sensitive information. Staff must navigate complex regulations and protocols to protect data integrity.
4. **Collaboration Barriers:** Effective research and investigation require collaboration across teams. However, traditional IT environments may need more tools and platforms to facilitate seamless communication and teamwork.
5. **Time Constraints:** With tight deadlines, staff may need more time to thoroughly investigate issues or conduct in-depth research, leading to incomplete or rushed conclusions.

AI is increasingly recognised as a helpful tool for improving staff productivity, especially when finding and consolidating information. Hence, there has been a rise in the use of ChatGPT and Microsoft 365 CoPilot. Using ChatGPT in an organisational setting can bring several benefits, such as increased productivity and streamlined workflows. However, there are also several potential issues that organisations need to consider.

Background: Introducing ChatGPT

ChatGPT is an AI language model developed by OpenAI, designed to understand and generate human-like text based on the input it receives:

1. **Natural Language Processing (NLP):** ChatGPT uses advanced NLP techniques to understand and respond to text inputs conversationally.
2. **Training Data:** ChatGPT is trained using a diverse range of internet text, which helps it generate responses on various topics.
3. **Time-based Information:** It receives training at points in time, months apart and in the past. It doesn't have real-time access to the Internet or personal data unless shared during the conversation.
4. **Applications:** ChatGPT is useful for answering questions, providing recommendations, drafting emails, creating content, and even coding assistance.

ChatGPT is a powerful tool with significant potential value. Understanding its training process and the source of its training materials reveals its usefulness in various applications. However, it's important to note that there are also noteworthy limitations to consider:

1. **Trustworthiness:** ChatGPT can sometimes produce incorrect or nonsensical answers due to the variety of training information and the quality and clarity of the user's questions. This could lead to mistakes or even compliance or legal issues.
2. **Data Privacy and Confidentiality:** Employees might inadvertently share sensitive company or client information with ChatGPT, which could lead to data breaches or violations of confidentiality agreements. Since ChatGPT processes data through third-party servers, this poses a significant risk.
3. **Accuracy and Reliability:** ChatGPT's the data it was trained on to create responses, which may only sometimes be up-to-date or accurate². Relying on it for critical tasks without proper verification can lead to errors and misinformation.
4. **Bias and Fairness:** Given that training data is sourced online from social media and forums, AI models like ChatGPT and CoPilot can inherit biases in their training data. This can result in biased outputs, affecting decision-making processes and potentially leading to claims of discrimination or unfair treatment.
5. **Context:** It also lacks an understanding of context beyond the immediate conversation and doesn't have personal experiences or emotions. ChatGPT knows nothing about your organisation beyond the information available on the Internet. It lacks detailed knowledge of your customers, your processes, or any other information not publicly available.

6. **Intellectual Property Concerns:** There is a risk of plagiarism and copyright violations because of the source of training information, given that ChatGPT's answers may have been sourced from copywritten material made publicly available—even incorrectly.

Background: Introducing Microsoft 365 CoPilot

Microsoft 365 Copilot is an AI-powered productivity tool designed to enhance the capabilities of Microsoft 365 applications built on top of ChatGPT. Here are some key features and benefits:

1. **Uses Prompts:** Like ChatGPT, Microsoft 365 Copilot uses prompts to understand and execute tasks based on user instructions. These prompts are available in the Microsoft 365 Portal and inside Microsoft 365 apps like Word, Excel, PowerPoint, Outlook, and Teams.
2. **AI-Powered Assistance:** Copilot ChatGPT is trained using information from Microsoft 365 products like Outlook, SharePoint, and OneDrive for Business, combined with information from the Internet.
3. **Integration with Microsoft 365 Apps:** Copilot answers questions, creates content, and automates tasks from available information. It can, for example, write documents, summarise emails, create meeting minutes, and create and format presentations.

What is Unearth AI for Research and Investigation?

Research and Investigation is a capability that an Administrator can add to any Unearth AI Corpus, including those controlled by a solution such as Audit & Compliance. It enhances a Corpus's standard capabilities by providing a ChatGPT implementation integrated into Discover that Unearth AI controls.

Research and Investigation is trained on the full set of information available to it, using Unearth AI's ability to ingest and analyse such a wide range of information. It can also include other information ingested into Unearth AI, including forms, videos, pictures, information from selected and trusted websites, social media posts, and so on. It can also include information ingested from internal systems—both documents and data.

Users can ask questions of ChatGPT in Discover, limiting responses only to Unearth AI knowledge base information. As a result, queries are executed only against trusted and known information. Users can optionally supplement this with information available from the Internet.

Unearth AI Discover augments user queries to create more complex prompts optimised to produce higher-quality results.

Results can integrate long-form ChatGPT answers and even report creation. They can include information deployed on maps, charts, data, and lists of documents related to the results of the ChatGPT queries. Users can view the documents and data used to create the responses.

Discover can even be customised where required for specific scenarios.

Unearth AI provides an unparalleled experience for investigation and research, whether creating new content, reports and documents or investigating issues and solving problems. It provides greater safety and trusted information as the source of information, and therefore trusted results and do not infringe intellectual property. It prevents leakage of information outside the organisation. It provides access to greater amounts of information than Microsoft 365 CoPilot, supported by more complex and useful results for investigation and working with the resulting information.

Current development work with Unearth AI will integrate the product with Microsoft 365 CoPilot to allow results from Unearth AI to be integrated directly into Microsoft 365 documents to automatically create formatted reports and presentations.

Query

Reset Query, Filters and Options

Select Corpora

Horizon

Select saved query to load

Enter Query

Use the option below to control the amount of information returned.

Use the filters below to adjust the scope.

 Save Query As

Search Options

Search Filters

Select Document Type

Select Priority

Dashboard

Date Range: 10/10/2024 17:40 - 18/10/2024 17:40

92

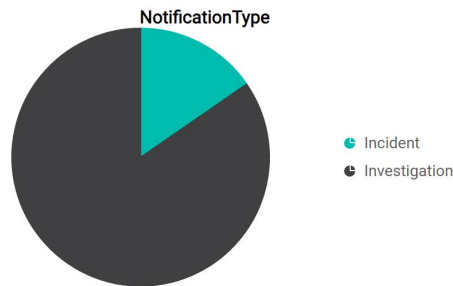
High Priority

74

Low Priority

69

No Priority



Location

unearthdev-openai-uswest3-gpt4o

Horizon

Depth: 5

1

☐ Cite Sources Used

| uneartrdev-openal-uswest3-gpt4o + Horizon

KF

Risks over the past month

unearthdev-openai-uswest3-gpt4o + Horizon

Here's a summarized overview of the recent food safety news and events:



1. ****Psychedelic Mushrooms Incident****:
 - An Alaska Airlines pilot, Joe Emerson, took psychedelic mushrooms before a flight from Seattle to San Francisco, causing concerns about his behavior during the flight.
2. ****Recalls in New Zealand****:
 - New Zealand authorities have recalled oysters potentially contaminated with norovirus and dried cured meats as part of foodborne illness investigations.
3. ****Consumer Awareness on Food Safety****:
 - A survey revealed that many consumers are unsure about the correct temperatures to safely heat food, as concerns grow about bird flu virus in cow's milk and the risks of consuming raw or undercooked products.
4. ****Lead-Tainted Cinnamon Recall****:
 - Gutierrez Distributor in New Jersey expanded its recall of cinnamon contaminated with elevated lead levels.

Type your message...



Query

Reset Query, Filters and Options

Select Corpora

Horizon

Select saved query to load

Enter Query

Use the option below to control the amount of information returned.
Use the filters below to adjust the scope.

Save Query As

Execute

Search Options

Search Filters

Select Document Type

Select Priority

Map

Satellite

Dashboard

Date Range: 10/10/2024 17:40 - 18/10/2024 17:40

92
High Priority

3
Medium Priority

74
Low Priority

69
No Priority

Keyboard shortcuts | Map data ©2024 Google | Terms

The image shows a web application interface. On the left is a green sidebar with four icons: a magnifying glass over a document, a group of people, a document with a checkmark, and a download arrow. The main content area is divided into two sections. The top section, titled 'Document Details', lists various attributes of a document with corresponding values in colored tags. The bottom section, titled 'Similar Documents', displays a list of three documents, each with a checkbox, a document icon, a title, a description, a confidence score, and a green button with an up or down arrow.

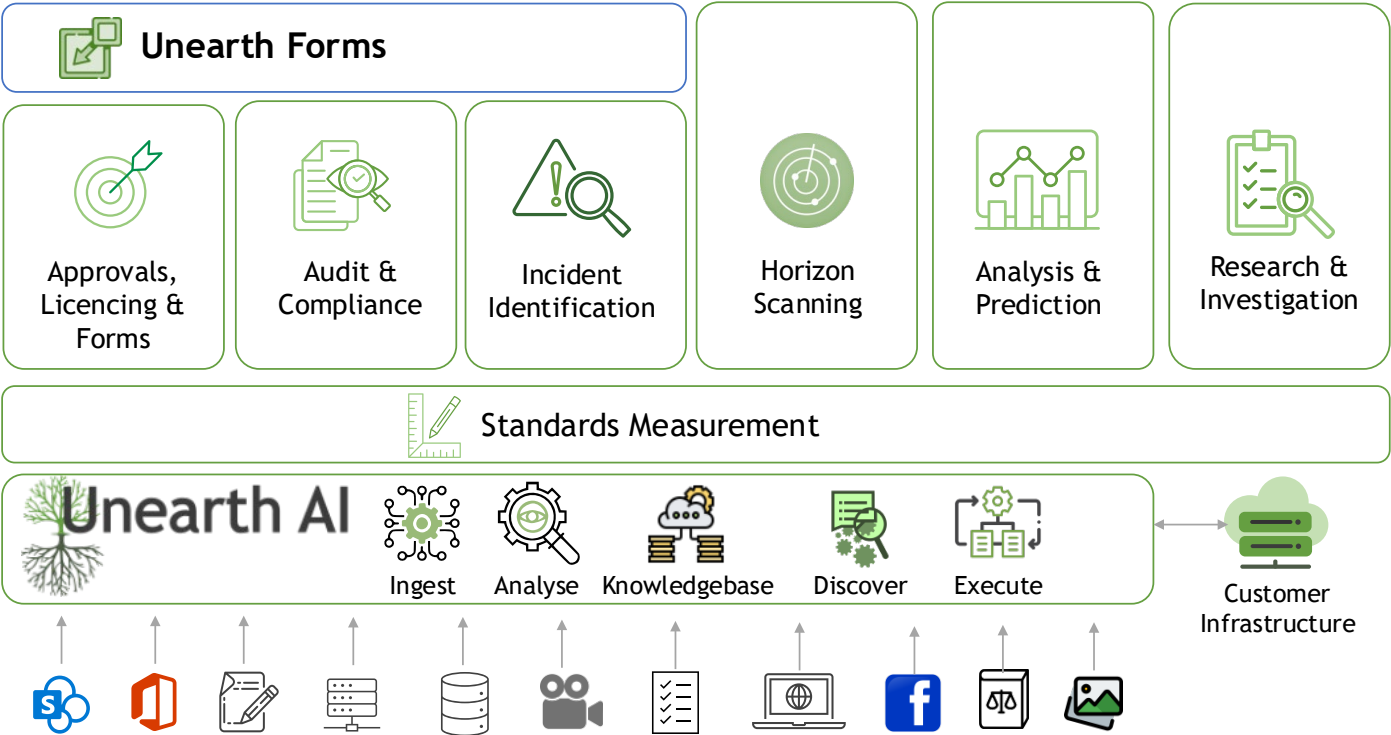
Attribute	Value
Corpus	Horizon
Document State	New
Comments	Add Comment
Country Of Origin	Thailand
Created Date	14/10/2024 11:13 am
Document Kind	HazardDetection
Document Type	JSON
Food Name	Processed And Raw Meat, Insect Products
Food Type	Various
Hazard Name	Illegally Imported Food
Hazard Type	Food Fraud
Language	en
Location	Singapore, Thailand
Notification Type	Investigation
Notifying Country	Singapore
Priority	
Related Document	@Singapore Food Agency (SFA) : [300kg of illegally importe... Confidence : 100%
Similar Document	@Singapore Food Agency (SFA) : [300kg of illegally importe... HazardDetection 1 Confidence : 98%
Document Score	1.00

Similar Documents
<input type="checkbox"/> @Singapore Food Agency (SFA) : [Fined for food safety offe... HazardDetection 1
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Public Sector Solutions





Wild Mouse provides a set of Solutions that can be used by Government Departments and Agencies to provide the following AI-powered capabilities rapidly and with an attractive ROI:

- Approvals, Licencing and Forms
- Audit and Compliance
- Incident Identification
- Horizon Scanning
- Analysis and Prediction
- Research and Investigation

These solutions can optionally utilise standards management from the optional Seera compliance platform.

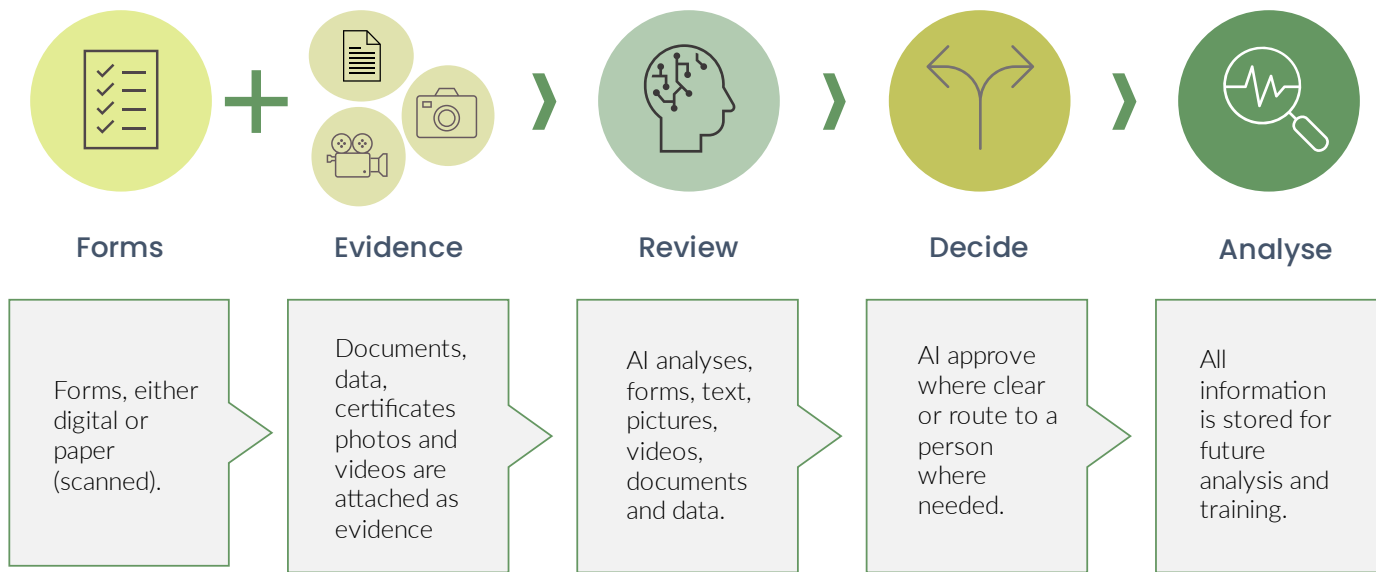
These solutions make use the powered and unique capabilities of the Unearth AI platform, including image and video analysis, generative AI and automated decisions.



Public Sector Solutions



Approvals and Forms



The Approvals and Forms Solution is uniquely designed for government regulators and enterprises managing complex supply chains, offering a comprehensive and efficient approach to compliance and approval processes.

The Solution allows onboarding contractors, staff, suppliers or licensing of businesses by capturing relevant proof of compliance and validating this using AI for automated approvals, with oversight. Answers to questions in the form can be used, supported by evidence that must be attached. This includes combinations of:

- Documents, attached as document files such as PDFs, Excel spreadsheets, etc., or as photos of certificates, paper forms and shorter physical documents.
- Photos that can be used to demonstrate adherence to requirements, such as mechanical aspects, safety equipment, component design, cleanliness, etc.
- Videos that show an environment in more detail, such as walking around a factory, a truck, etc.
- Links to online information.
- Other forms of information that might be valid.

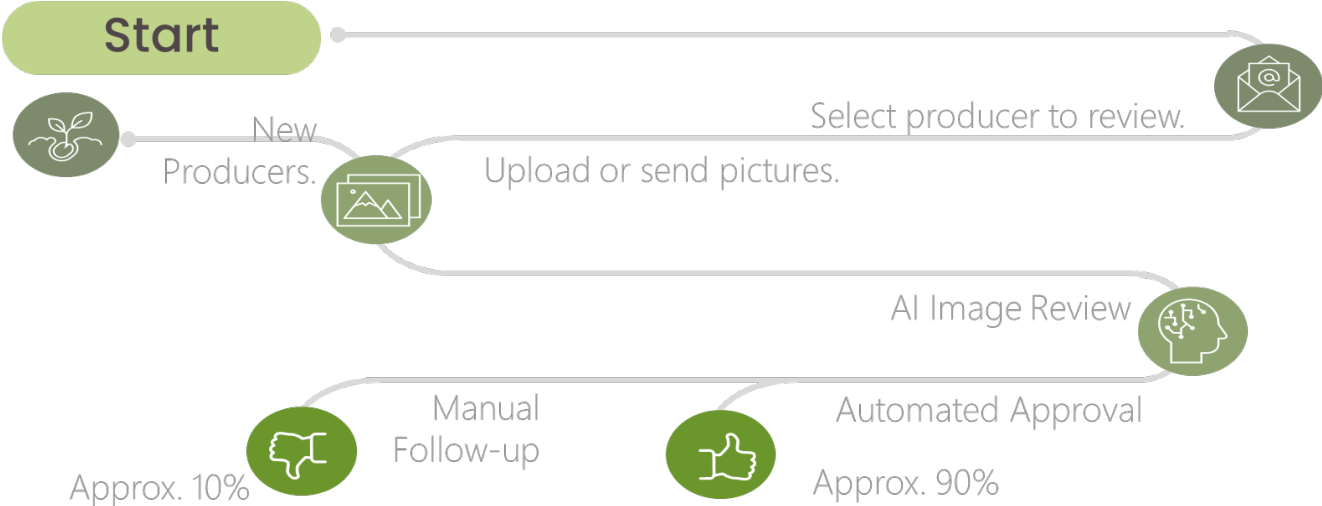
Information is entered and uploaded using Uneath Forms, or another tool can be integrated.

Unearth AI assesses provided information, both individually and together, to create a measure of compliance against a set of business rules that can be configured in the platform. This can provide either an approval or rejection in seconds to minutes or forward the assessment to staff for review where it does not meet a threshold. This can include routing all forms to staff at first. Staff can be alerted of specific applications when required.

Completed applicants can be sent to your core business management system via API.

Benefits include:

- Validation at scale with faster results
- Validation of physical assets and equipment without in-person inspection
- Oversight and validation by staff where needed
- Instant approvals where possible



Relevant Unearth AI Capabilities Used



Case Study: Revolutionizing License Approvals with DPI WAITless



In the fast-paced world of regulatory compliance, the NSW Department of Primary Industries (DPI) faced a significant challenge: streamlining the license approval process without compromising on accuracy or efficiency. Enter Uneath AI, Wild Mouse's cutting-edge solution that transformed DPI's approach to document processing and approvals.

The Challenge

DPI managed a vast array of documents, from applications to supporting materials, all requiring meticulous review and approval. More importantly, approving trucks, fishing boats and game hunting vehicles required physical inspection by DPI staff, which required these vehicles to be taken out of action, costing time and money for both DPI and the businesses.

The Solution

Uneath AI was deployed to overhaul DPI's license approval workflow. Utilizing advanced AI algorithms, Uneath AI provided:

- Ingestors connected to OneBlink:** DPI already used a forms solution from another Australian SaaS business, OneBlink. Wild Mouse worked with OneBlink to integrate with Uneath AI Ingest. As a result, businesses can access OneBlink forms from the DPI website to enter information, attach evidence of compliance, make payments, and submit the application.

Uneath76216

?

KF Kevin Francis

Apply to vary vehicle or vessel information

Licence Number :76216

Licence HolderJONES Sarah

Full NameTest Test User807

Completed ByTest TestUser807

Mobile Number0400801920

Emailtestuser.807@yojmail.com

Date2024-08-05

Othersform.json

Vehicle Addition: OPL345

MakeNissan

Body TypeCapri

Year of Manufacture2023

Vehicle FunctionRefrigerated




Postcode7113

CityFRANKLIN

Local GovernmentTAS

Attachments

Images

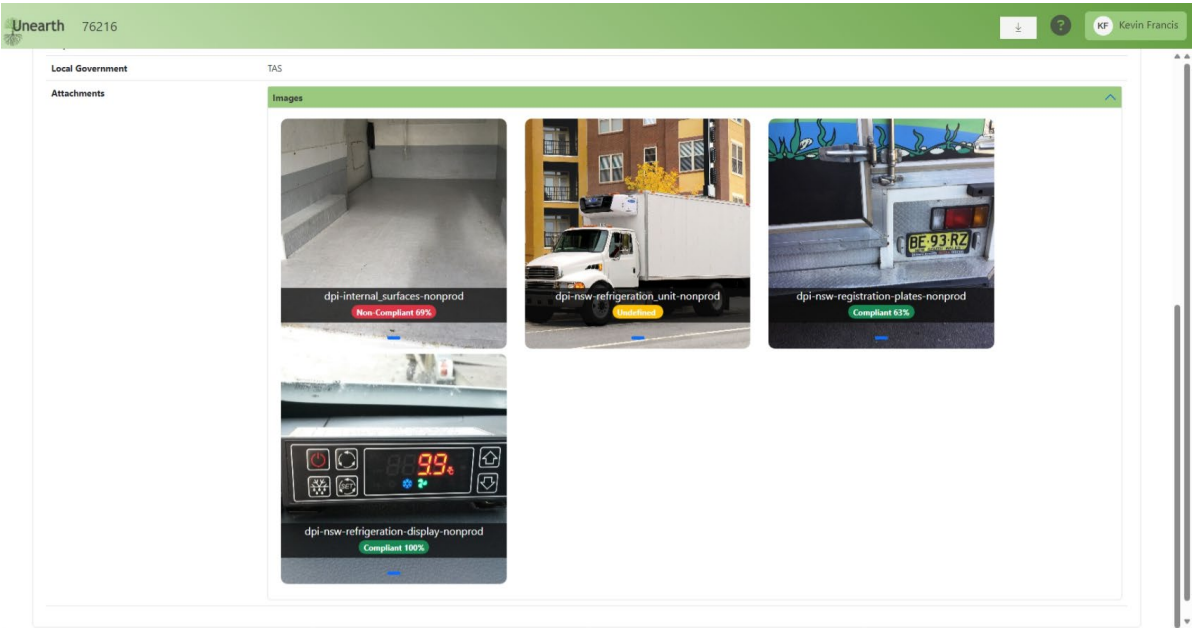


2

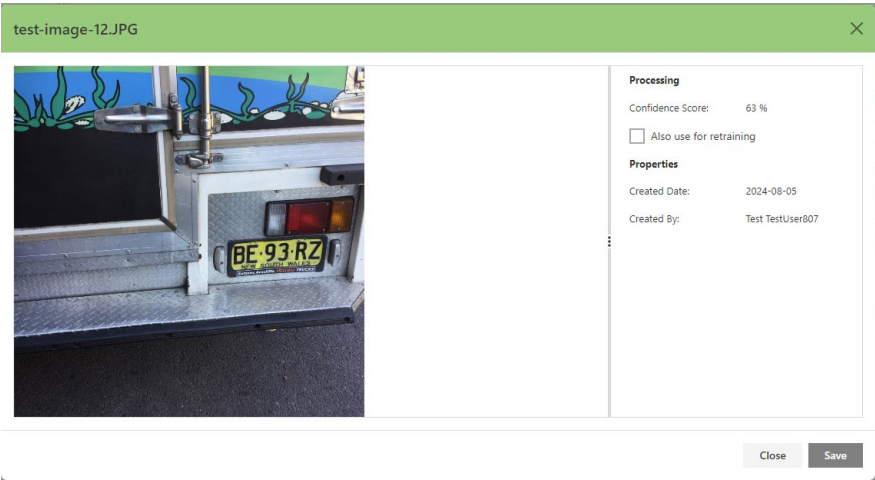
- **Image and Document Analyzers:** The form and evidence of compliance are passed to Uneath AI Analyze for processing. Custom Analyzers were trained using photos and documents provided by DPI.

Once tested and in use, Uneath AI processes photos of key components of the various vehicles such as seals, floors, chiller units, registration plates, temperature displays, etc. Other items such as labels of chemicals used and certificates are attached.

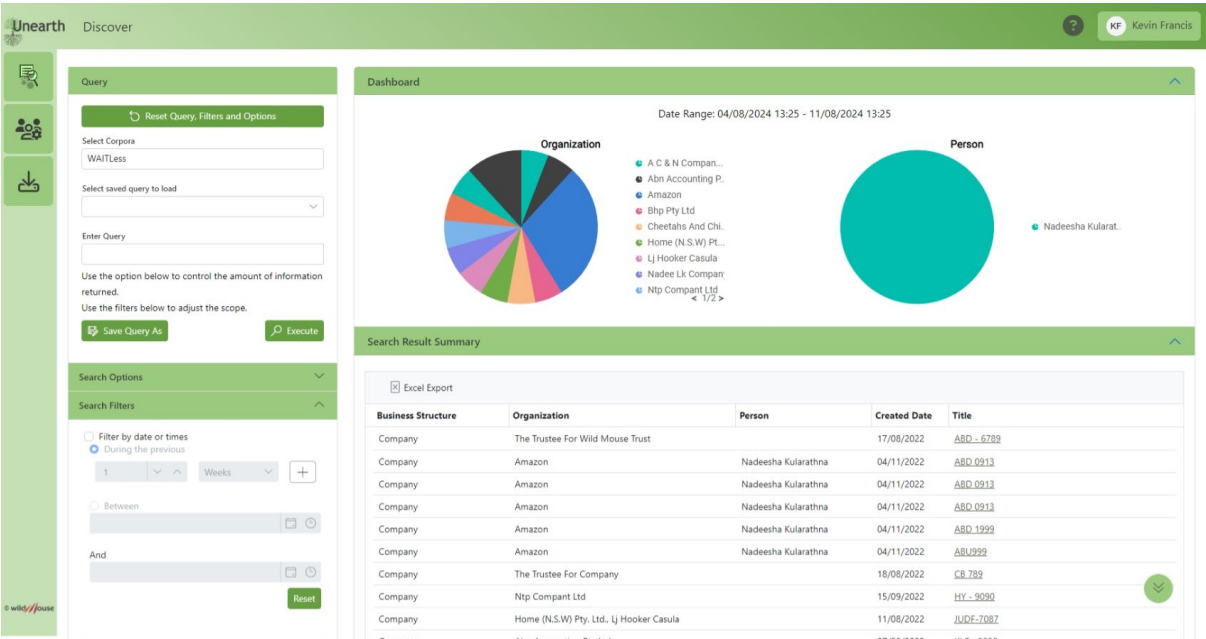
- **AI Decisions:** Uneath AI assess the compliance of each vehicle from the provided evidence to approve, not approve, or pass to staff for validation.



2



- **Staff Analysis Platform:** Staff use Uneath AI Discover to view completed forms with their status, view attached evidence with the compliance analysis outcomes, change outcomes and pass information back into Uneath AI to optimize the AI training.



The Outcome

The results were transformative. DPI WAITLess experienced a significant reduction in document processing time, with licences moving to being approved in seconds in many cases. Importantly, businesses can now execute the process without the need to take valuable vehicles off the road. There has been a reduction in cost of operation for DPI.

Accuracy in the platform has been well over 80% even from the start of operation. a marked improvement in accuracy.

The Future

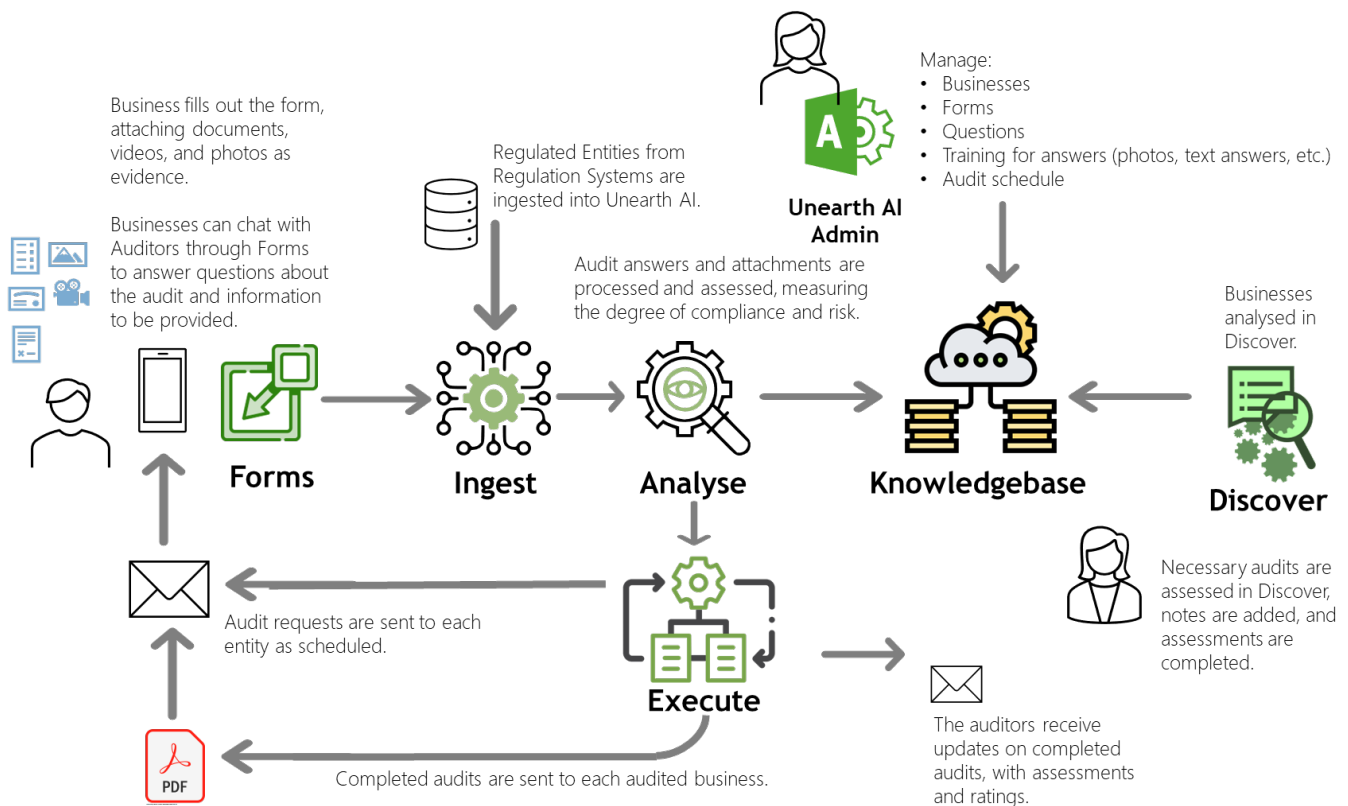
With Uneath AI, DPI WAITLess is well-equipped to handle increasing volumes of documents while maintaining high standards of efficiency and compliance. This case study serves as a testament to the capabilities of Uneath AI, making it an indispensable tool for any organization looking to optimize their document processing and auditing needs.



Public Sector Solutions



Audit and Compliance



The Audit and Compliance Solution extends the Approvals and Forms Solution with a larger and more complex workflow and a more granular assessment of businesses, again driven in an automated manner powered by AI.

The Solution aims to perform automated audits of businesses in a light-touch manner, at frequency, allowing those businesses that require particular attention from auditors directly to be identified. It does this by sending audit requests to businesses, requiring the completion of a form with evidence of compliance to be attached. This evidence can include combinations of:

- Documents, attached as document files such as PDFs, Excel spreadsheets, etc., or as photos of certificates, paper forms and shorter physical documents.
- Photos that can be used to demonstrate adherence to requirements, such as mechanical aspects, safety equipment, component design, cleanliness, etc.
- Videos that show an environment in more detail, such as walking around a factory or a truck.
- Links to online information.
- Other forms of information that might be valid.

With auditing, the emphasis is on videos, requiring businesses to record videos of the right length, movement and scope so that indications of risk can be gathered.

Unearth Forms is used to gather information and evidence, including through integration with phone cameras. The chat functionality in Uneath Forms allows Auditors to chat with businesses to ensure evidence is gathered correctly.

Unearth AI assesses provided information, both individually and together, to create a measure of compliance against a set of business rules that can be configured in the platform. This builds a measure of risk for each business from each audit and, over time, allows Auditors to identify and focus more on those businesses that need improvement. Auditors can view each audit with the provided information, including videos, etc., and the results created by Unearth AI. They can add their internal comments and comments for the business and complete the audit.

Completed audits can be sent to the business as a document with the Auditors' results and comments. The resulting data can be uploaded to the regulator management platform through an API.

Benefits include:

- Audits at scale with faster results
- Audits without in-person inspection
- Lighter touch audits allow more frequent execution to allow trends to be identified
- Oversight and validation by staff
- Automated audit assessments, if desired
- Gathering of information over time allows trends, prediction and investigation

Relevant Unearth AI Capabilities Used



Unearth AI
Core Platform

**Image and Video
Analysis**



Unearth Forms

Case Study: Improving the Quality of Exports Using AI



Australian Government
**Department of Agriculture,
Fisheries and Forestry**

Introduction

Food exports are significant to the Australian economy. The Department of Agriculture, Fisheries and Forestry (DAFF) in the Australian Federal Government ensures compliance with rules that assist with the quality and safety of exported food.

DAFF sought an innovative solution to enhance its audit and compliance processes. It partnered with Wild Mouse Australia to deploy the Uneath AI platform, a comprehensive AI-powered solution designed to streamline and improve the efficiency of its operations.

Challenges

DAFF faced several challenges in its traditional audit processes:

1. **Manual Audits:** Traditional onsite audits were time-consuming and resource-intensive, requiring physical inspections and manual data collection. Manual audits were highly intrusive and costly for businesses, and DAFF resources were not available to audit all businesses frequently.
2. **Compliance Monitoring:** Ensuring compliance with export requirements and regulations was complex, often leading to delays and inconsistencies.

Solution

Wild Mouse Australia implemented the Uneath AI platform to address these challenges. The solution included the following key components:

1. **AI-Powered Audits:** The Uneath AI Audit solution automates the audit process by requesting information from businesses. Businesses supply required information on an electronic form, which uses AI to measure compliance and build a risk model.
2. **Data Integration:** The platform ingested data from various sources, including videos, photos, documents, and other records, to provide a comprehensive view of compliance².
3. **Workflow Automation:** Uneath AI Discover provided a workflow experience to ensure staff processed each audit, with compliance measurements provided by the AI.
4. **Incident Identification:** The platform could process incident notifications from various sources, such as web forms, emails, and social posts, to identify and address compliance issues².

Implementation

The implementation of Uneath AI for the Dairy Export Assurance Program included:

- The initial configuration of the platform.
- Inclusion of forms.
- Loading data.
- Training of AI models for processing.

The solution was deployed in a phased approach, starting with the initial setup and training, followed by the integration of data sources and the automation of audit processes.

Results

The deployment of Uneath AI resulted in significant improvements in the audit and compliance processes for DAFF:

1. **Efficiency:** The automated audits reduced the time and resources required for compliance checks, allowing faster and more accurate assessments.
2. **Data Accuracy:** Integrating various data sources and AI-powered analysis improved the accuracy and reliability of compliance measurements.
3. **Scalability:** The platform's ability to handle large volumes of data and automate workflows enabled DAFF and Dairy Australia to scale their audit operations effectively.
4. **Compliance:** The AI-powered solution ensured consistent and thorough compliance monitoring, reducing non-compliance risk and improving overall regulatory adherence².

Conclusion

The Uneath AI audit and compliance solution deployed for DAFF and Dairy Australia demonstrated the power of AI in transforming traditional audit processes. By automating data collection, analysis, and compliance monitoring, the platform provided a more efficient, accurate, and scalable solution, ultimately enhancing the effectiveness of DAFF and Dairy Australia's audit operations.



Public Sector Solutions



Horizon Scanning

About Horizon Scanning

Horizon Scanning is a *foresight method* for identifying early signals of change in various fields. It systematically examines potential threats, opportunities, and future developments that might be outside the scope of current thinking and planning. This proactive approach helps organizations anticipate and respond to emerging trends, allowing them to shape their strategies accordingly.

Key benefits of horizon scanning include:

- **Staying ahead of industry changes:** By identifying emerging trends, organizations can adapt and innovate to maintain a competitive edge.
- **Mitigating risks:** Early detection of potential threats allows timely responses to minimize negative impacts.
- **Leveraging opportunities:** Recognizing upcoming opportunities can lead to strategic advantages and growth.

Horizon scanning is used in various domains, including healthcare, environmental studies, and technology. It helps decision-makers plan for the future by providing insights into potential disruptions and transformations.

Government Departments use Horizon Scanning for several key purposes, particularly when it comes to regulatory bodies:

1. **Anticipating Future Challenges and Opportunities:** Horizon scanning helps government departments identify emerging trends, potential threats, and opportunities that could impact their areas of responsibility. This proactive approach allows them to prepare and adapt their policies and strategies accordingly.
2. **Informed Decision-Making:** By understanding potential future scenarios, regulators can make more informed decisions. This includes assessing the implications of new technologies, societal changes, and environmental factors.
3. **Risk Mitigation:** Early identification of potential risks enables government departments to develop strategies to mitigate them before they become significant issues. This is crucial for maintaining public safety and trust.
4. **Policy Development:** Horizon scanning provides valuable insights that can inform the development of new policies and regulations. It ensures that these policies are forward-looking and capable of addressing future challenges.
5. **Stakeholder Engagement:** Engaging with external experts and stakeholders through horizon scanning exercises allows regulators to test assumptions and gather diverse perspectives. This collaborative approach enhances the robustness of their strategies and policies.
6. **Innovation and Adaptation:** Horizon scanning can highlight areas where innovation is needed for regulators. It helps them stay ahead of industry changes and adapt their regulatory frameworks to support new developments while ensuring compliance and safety.

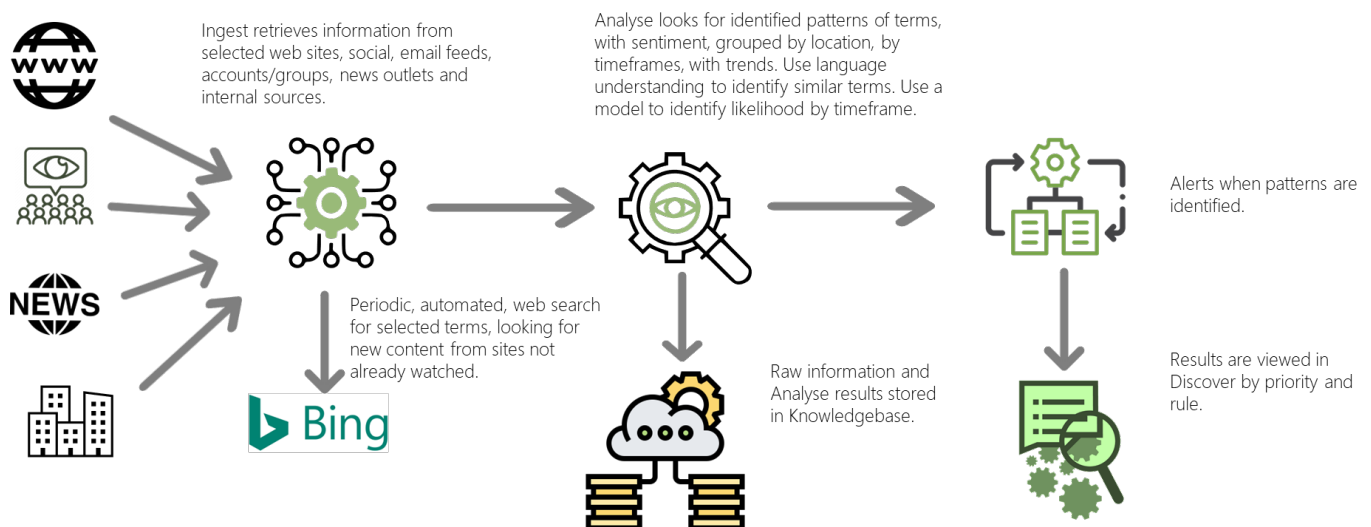
By leveraging horizon scanning, government departments and regulators can better navigate the complexities of an ever-changing world and ensure they remain effective and relevant in their roles.

Unearth AI Horizon Scanning Overview

The Unearth AI Horizon Scanning Solution offers a range of benefits for organizations and government agencies. It can help anticipate future changes, mitigate risks, and make informed policy and decision-making. These benefits can significantly improve the operations of any entity that utilises this powerful tool.

The following features inherent and unique to the design of Unearth AI are beneficial in Horizon Scanning:

- Ingest runs constantly, scanning and ingesting on set frequencies, 24/7.
- Many sources of information are available as scanning sources, including social media, internal systems, websites and the Internet, email, documents, etc.
- Analyzers extract and understand information ingested in the context of the scan. This
- Configurable business rules can be applied to information for rating, ranking, categorization, etc.
- Incoming information is stored in the Knowledgebase, allowing conclusions to be drawn over time as more information becomes available, improving prediction
- Discover allows information to be queried and analysed using various tools such as PowerBI, ChatGPT and query to expose information as data, as reports, geographically, etc.
- Action can provide alerts on triggers, and its predictive capabilities can be utilized to calculate likely future events.



Horizon Scanning for Risk Mitigation

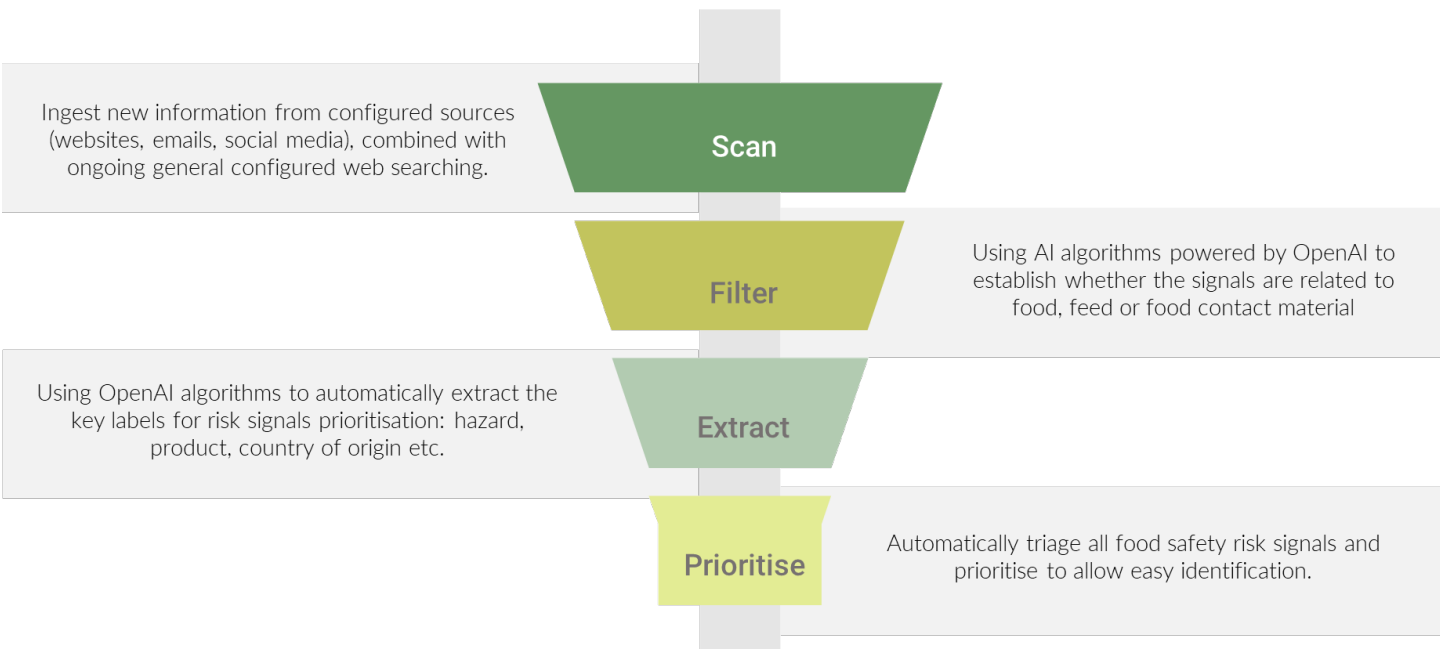
Risk mitigation involves using Horizon Scanning to identify signals that indicate an emerging harm or the risk of an emerging harm in a defined area and for a defined subject.

Unearth AI Horizon Scanning proactively provides 24/7 monitoring of issues, events, risks, and harms emerging for a defined subject, providing tools and information to allow your staff to identify and manage risks effectively and efficiently, avoiding the need for staff to trawl the Internet constantly. Constant monitoring dramatically increases the likelihood of finding issues over the common proactive of investigating for short, occasional bursts.

It automatically accesses a comprehensive range of global sources such as emails, social media, feeds, news, websites, etc., and initially reads and analyzes text and related information about specified areas of interest. This information can be combined with data and information from internal systems.

It incorporates clients' business rules on hazard types and harm profiles into a language processing algorithm and assigns a risk or likelihood rating to the processing results. This reduces noise by alerting relevant staff and allowing high-priority items to be reviewed.

An example is shown below:



Horizon Scanning for Prediction

Horizon Scanning with Uneath AI also allows for analysing information that might predict future events, trends through content from various sources. This can be used to anticipate future challenges and opportunities, make informed decisions, develop policies, engage stakeholders, innovate, and adapt.

Uneath AI can ingest information from trusted sources to provide an excellent foundation of knowledge:

- Experts can direct Uneath AI Ingest to selected and trusted internal data and document sources.
- Staff can load documents supplied by trusted partners directly into Uneath AI.
- Selected external websites can be searched and ingested.

In addition, Uneath AI can search the Internet using specific terms to gather information from unknown sources, if desired.

Uneath AI's concept of a 'document' is remarkably flexible. It can process a variety of formats, including Word or Acrobat documents, websites, social posts, news items, articles, podcasts, interviews, and videos. This adaptability ensures that no valuable information is overlooked in the prediction process, giving you peace of mind that all relevant data is being considered.

Uneath AI empowers users to apply business rules to the information it processes. These rules can assign weights to information from different sources, allowing trusted information to be prioritized over information from websites, if desired. This level of customization ensures that the predictions are based on the most reliable and relevant data.

Language understanding from generative AI in Uneath AI can help understand the prediction timeline and assess the information's applicability, tagging information in the Knowledgebase.

ChatGPT inside Uneath AI can then be used alongside other tools in Discover to interrogate the resulting Knowledgebase, with the metadata applied by the AI and business rules in Analyze applied. Discover can assist staff in drawing conclusions from the information and creating reports ready for further consumption—even into documents in Microsoft 365 using CoPilot integration.

Relevant Uneath AI Capabilities Used



Generative AI

Case Study: Protecting Australia from Food Safety Risks



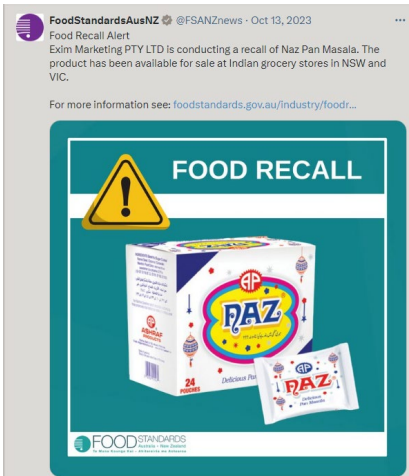
The NSW Department of Primary Industries (DPI) sought to enhance its food safety monitoring capabilities to proactively identify risks with imported products and take timely action to protect public health. To achieve this, it implemented Uneath AI Horizon Scanning, which the customer has named 'Food-i'. DPI uses this system, the Federal Department of Agriculture, Fisheries and Forestry, and Health Victoria. This case study explores the integration and outcomes of this innovative approach.

Challenge:

The DPI faced challenges in efficiently monitoring and analyzing vast amounts of global data related to food safety issues:

- There is no single system or standardized way of reporting food safety issues across countries. These are reported by local authorities to their website, to social media, or through email newsletters, which each local authority reporting individually and in different ways.
- It is also possible that each government agency does not know about or has not captured each food safety issue that occurs.
- Different agencies use different ways of reporting issues, including different rating systems for risks.

The method at the time was therefore manual, using people to review numerous websites, email newsletters and social media accounts to collect, rate and assess reported food safety issues.



More than 140 people sick after two gastro outbreaks at Melbourne venue

Posted Thu 21 Sep 2023 at 4:48pm, updated Thu 21 Sep 2023 at 8:58pm



Solution:

The Food-i system, powered by Uneath AI Horizon Scanning, was deployed to scan and analyze data from diverse sources, including international food safety alerts, scientific reports, and social media. The AI-driven platform was trained to recognize and prioritize food safety issues relevant to the DPI's regulatory scope. The results are displayed in a dashboard and emailed to users as alerts.

Implementation:

The system was integrated with DPI's existing workflows, allowing for a seamless transition and immediate operational use. The AI was initially fed a smaller dataset, which was incrementally expanded as the system's accuracy improved through continuous learning.

This case study serves as a testament to the strategic advantage that AI can provide in enhancing public safety and regulatory efficiency.

Results:

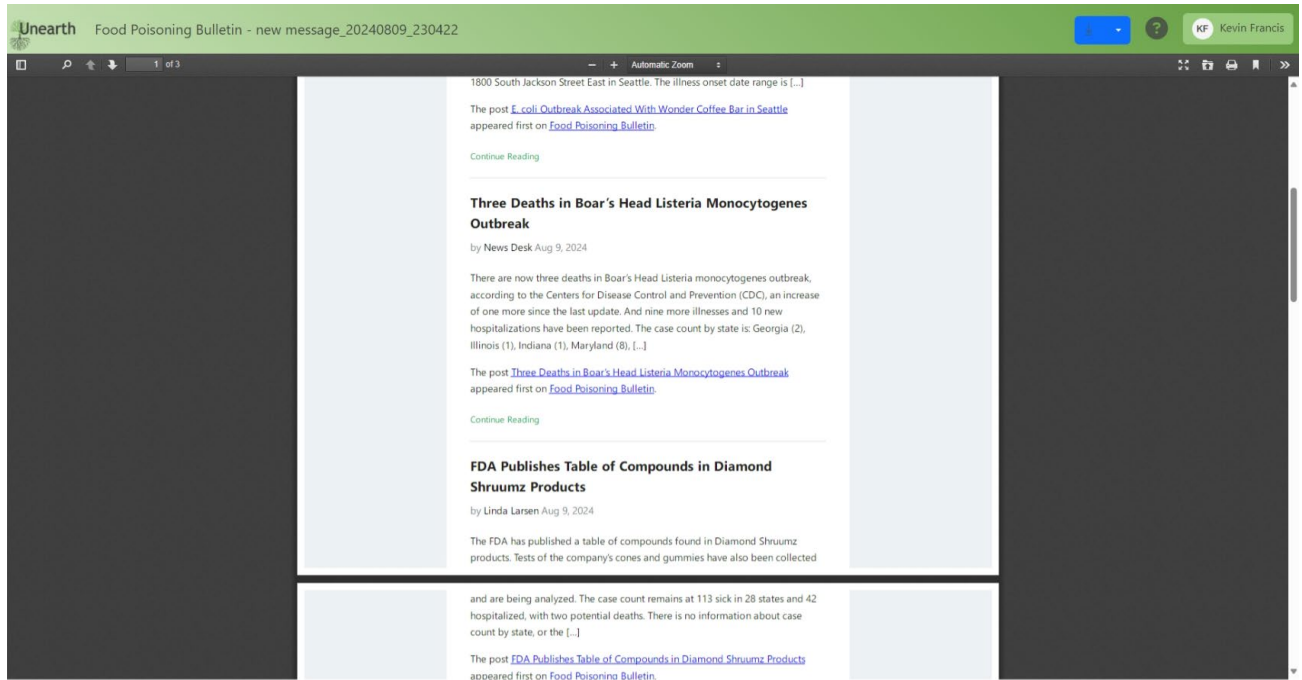
Since its deployment in early 2023, Food-i has proved its efficacy by accurately classifying and rating food safety issues. It enabled staff from multiple agencies to quickly identify high-priority cases, resulting in more effective and timely responses to potential food safety threats.

Planning is underway to implement further Horizon Scanning implementations across the government agencies on Uneath AI to monitor local supply chains at greater detail.

Impact:

The integration of Uneath AI Horizon Scanning into the Food-i solution has significantly improved the DPI's ability to monitor food safety on a global scale. The system's predictive capabilities have also allowed for better resource allocation and risk management. Staff have been freed to work on other matters, time requirements for staff to monitor food safety risks cut by over 90%.

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Conclusion:

The case of the NSW DPI Food-i solution is a testament to the transformative potential of AI in regulatory functions. The DPI has set a new standard for proactive and intelligent food safety regulation, demonstrating the system's ability to anticipate and prevent potential threats by leveraging advanced horizon scanning technology.

This case study serves as a powerful testament to the strategic advantage of AI in enhancing public safety and regulatory efficiency. The successful implementation of the Food-i solution in the NSW DPI demonstrates the transformative potential of AI in regulatory functions, paving the way for more effective and intelligent food safety regulation.

