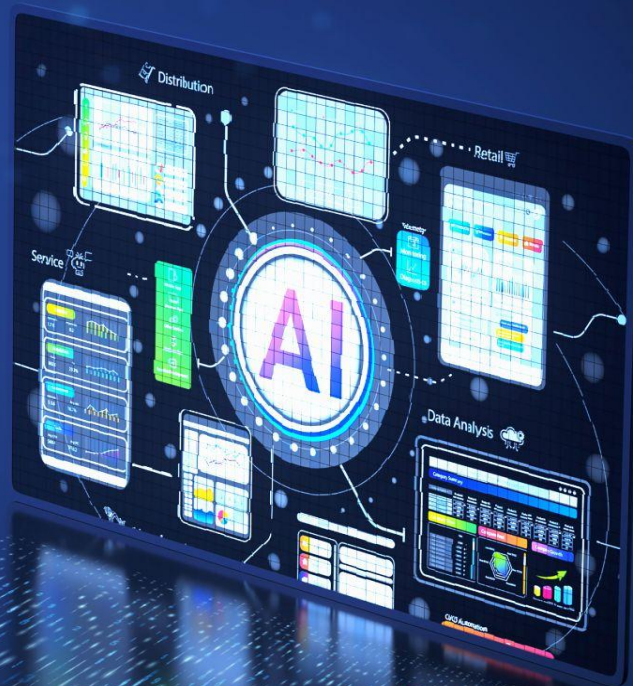


Agentic PRISMA

The Enterprise AI Agent Platform

Turn Your Data into Intelligent Action

Transform unstructured, multi-modal data into automated workflows and actionable insights with secure, private AI.



ClusterTech Limited

“ClusterTech Limited is a Hong Kong-based information technology (IT) solutions and consulting firm founded in 2000. Our company aims to leverage our expertise to deliver transformative value for customers.”

25+

Years of experience.
The first HPC solution provider
in Asia.

140+

Professional staffs.
Skilled local supporting
team.

100+

National and governmental
departments served.

400+

Top universities and research
institutes served.

Our IT Solutions and Data Analytics Consulting Services in 4 Areas:



AI & Analytics



**High Performance
Computing (HPC)**



Cloud Computing



Big Data Infrastructure

Cross-Industry & Multi-Disciplinary Experience

Our clients spread across the globe, including **20+** companies in the Fortune 500, **100+** national and governmental departments, **200+** universities (including **all of the top 20** universities in China) and **100+** top research institutes (including **30+** institutes of the Chinese Academy of Sciences)

Banking, Finance & Insurance



Education & Research



Telecommunications



Energy & Utilities



Retail



Public Sector



Aero Space



Others



AWARD WINNING NLP ENGINE PRISMA

Real-World Impact and Industry Credentials



AWARD-WINNING



- ✓ **HKICT Awards 2021:** Winner of Best Smart Hong Kong (Big Data Application).
- ✓ Recognized for state-of-the-art text processing and innovative AI implementation.



PROVEN PROJECTS

- ✓ **NGOs:** Social analytics for drug abuse trend investigation.
- ✓ **Finance:** Stock news analysis for regulatory institutes.
- ✓ **Enterprise:** Social listening for enterprises.



TRILINGUAL EXCELLENCE

- ✓ **Advanced NLP:** Full support for Traditional Chinese, Simplified Chinese, and English.
- ✓ Handles Cantonese slang, idioms, and buzzwords with high accuracy.

EVOLUTION OF INTELLIGENCE

Activating Data to Drive Strategic Decisions

THE CHALLENGE

- **Data Silos & Complexity**

Massive volumes of unstructured data (social media, news, internal reports) remain "locked" and underutilized.

- **Traditional Limitations**

Legacy tools struggle with scale, multilingual complexity, and security, leading to high costs and stalled innovation.

THE PRISMA SOLUTION

- **Enterprise AI Agents**

PRISMA evolves beyond simple analytics into a comprehensive solution that intelligently activates your data.

- **Strategic Impact**

Leveraging LLMs and RAG to deliver secure, customizable intelligence that transforms data into a strategic asset.

CORE TECHNOLOGIES

The Three Pillars of PRISMA Intelligence



INSIGHT DISCOVERY

Uncover hidden patterns, entities, and relationships across your entire data ecosystem to drive better decisions.



NATURAL COMMUNICATION

Enable intuitive "chat with your data" capabilities, allowing team members to interact with complex datasets using natural language.



RETRIEVAL-AUGMENTED GENERATION

Deliver accurate, context-aware answers grounded in your private data, ensuring AI outputs are relevant and verifiable.

WHY CHOOSE PRISMA?

Sovereign, Customizable, and Cost-Effective



SOVEREIGN & SECURE

✓ Total Control

Deploy on-premises or in a private cloud to ensure data never leaves your secure environment.

✓ Strict Compliance

Strict Compliance: Eliminate public AI privacy risks with full data sovereignty and enterprise-grade governance.



DEEP CUSTOMIZATION

✓ Knowledge Enhancement

Leverage external data to enrich your internal knowledge base for more powerful insights.

✓ Bespoke Interfaces

Design custom automation flows, chat interfaces, and tailored analysis models with bespoke dashboards.



COST-EFFECTIVE PERFORMANCE

✓ GPU Optimization

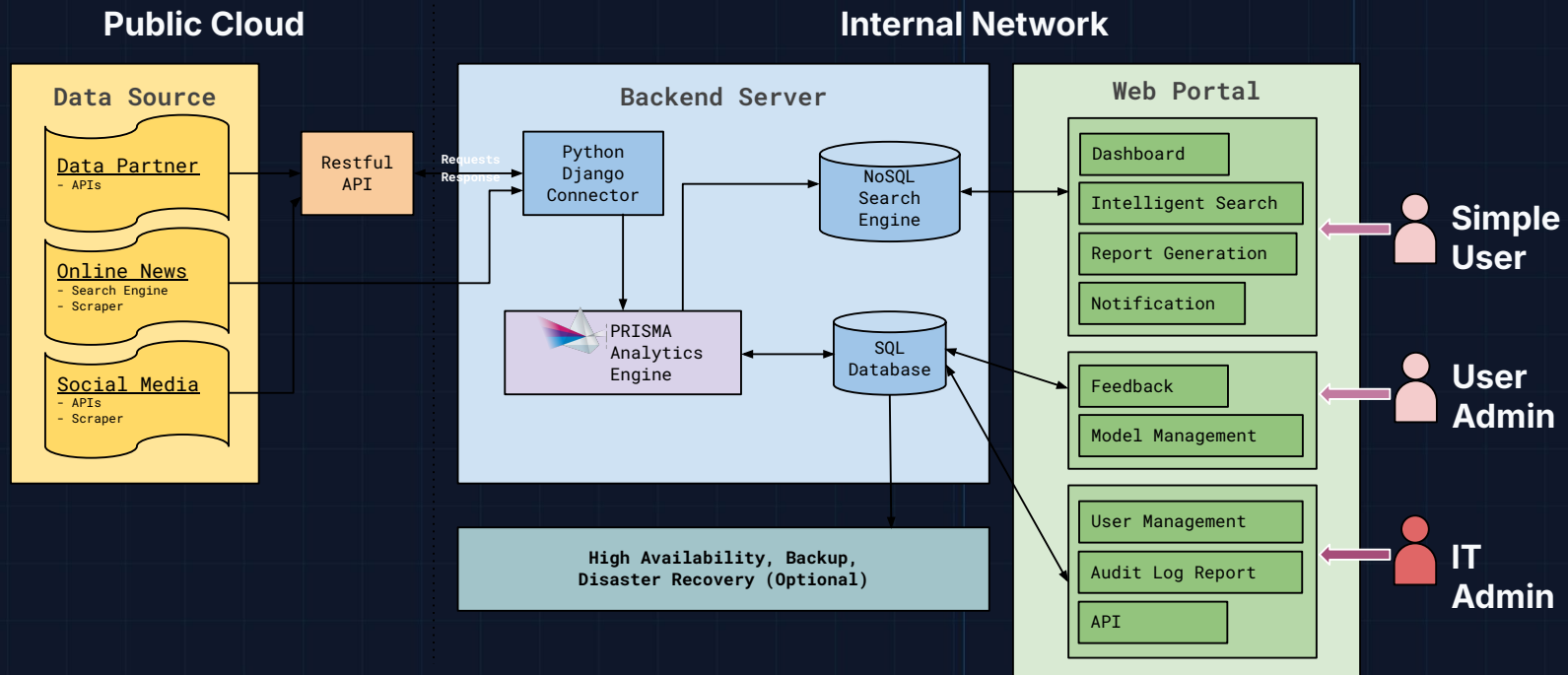
Maximize hardware efficiency to run powerful LLMs at a significantly lower operational cost.

✓ Scalable ROI

Expand your private AI capabilities seamlessly without spiraling infrastructure expenses.

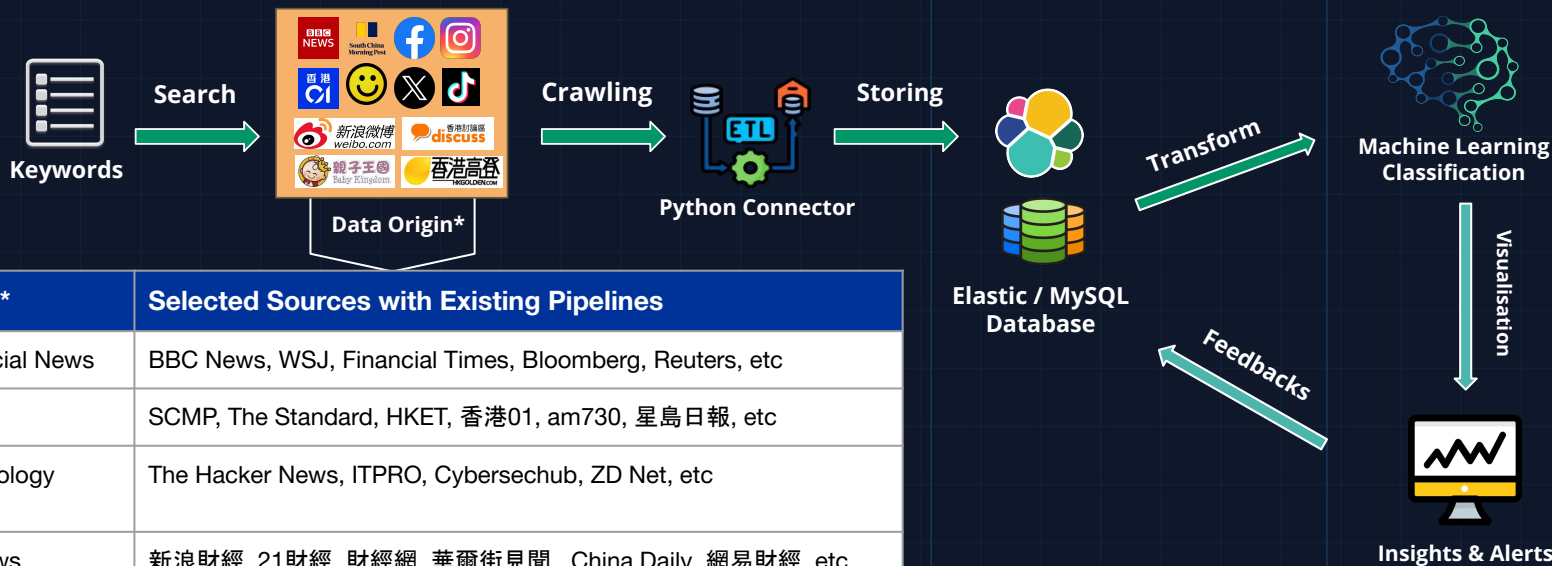
PRISMA SYSTEM ARCHITECTURE

A Robust Framework for Advanced Data Analytics



SOURCES COVERAGE

Standard Flow of News and Social Media Analysis



CORE CAPAIBILITIES & FUNCTIONS

Empowering Teams with Out-of-the-Box Solutions



LIGHTWEIGHT CHATBOT

Deploy responsive and context-aware chatbots for internal support. Enable instant Q&A using your specific company knowledge base—securely and accurately.



VISUAL AGENT BUILDER

No coding required. Empower your teams to build and customize complex AI workflows through a user-friendly drag-and-drop interface.



SMART DOCUMENT AUTOMATION

Stop manual data entry. Simply drop in contracts, forms, or reports; PRISMA parses the files, extracts critical data, and structures it for immediate use.

MACHINE LEARNING MODELS

Advanced Algorithms for Comprehensive Text Analysis



RELATION CLASSIFICATION

Focus:

Determining whether a text piece is related to a specific topic.

Models:

Support Vector Machine (SVM), Neural Network.



SENTIMENT CLASSIFICATION

Focus:

Analyzing the attitude (positive, negative, or neutral) of a text piece.

Models:

Recurrent Neural Network (RNN), LSTM.



RISK ANALYSIS

Focus:

Identifying if an entity is strongly associated with a specific topic or group.

Models:

TF/IDF, Network Analysis.

ADVANCED INSIGHTS

Autonomous Operations and Strategic Intelligence



SMART BUSINESS INTELLIGENCE WITH RAG

Create a private command center fueled by local business records, customer histories, and operational data. Gain instant intelligence across text, spreadsheets, and visuals.



AUTONOMOUS “DAILY PULSE”

AI agents work tirelessly behind the scenes to condense vast amounts of local data into sharp, prioritized updates that drive your day forward with actionable clarity.



INSIGHT DISCOVERY & MAPPING

Automatically identify key entities and visualize complex relationships across your data ecosystem to reveal hidden patterns that drive better, data-backed decisions.

ENTERPRISE-GRADE GOVERNANCE

Security and Integration as a Foundation



STRICT COMPLIANCE

- ✓ **Role-Based Access Control:** Granular permissions to ensure data is only accessible to authorized personnel.
- ✓ **Complete Audit Trails:** Full transparency with detailed logging of all system activities and data access.



SEAMLESS INTEGRATION

- ✓ **Direct Connectivity:** Link PRISMA to your existing databases, applications, and cloud services.
- ✓ **Zero Disruption:** Enhance your current infrastructure without requiring major architectural changes.



HYBRID DEPLOYMENT

- ✓ **Flexible Hosting:** Options for on-premises, private cloud, or hybrid environments.
- ✓ **Data Sovereignty:** Ensure sensitive information never leaves your secure, controlled environment.

INDUSTRY SOLUTIONS

Finance & Public Sector Applications



FINANCIAL INSTITUTIONS

Compliance Sentinel

Continuously scans transactions and regulations to auto-flag anomalies and generate audit-ready reports.

Market Intelligence

Delivers daily briefings by analyzing news and social sentiment, providing actionable insights on market opportunities.



PUBLIC SECTOR

Project Information Hub

Centralizes project documents for seamless cross-departmental sharing and intelligent, conversational search.

Smart Procurement

Centralizes vendor data and contracts, using AI to monitor performance and identify optimal suppliers.

INDUSTRY SOLUTIONS

Driving Efficiency Across Diverse Sectors



LEGAL SERVICES

✓ Contract Review Expert

Automatically extract key clauses, dates, and risks from legal documents with high precision.

Regulatory Tracker

Monitor and summarize regulatory updates relevant to the firm to ensure constant compliance.



RETAIL & CUSTOMER

✓ AI Staff Guidance

Provide on-demand, context-aware assistance and training modules to customer-facing staff.

Sales Health Score

Analyze CRM data to score and prioritize sales opportunities, alerting managers to key actions.



EDUCATION & RESEARCH

✓ AI Learning Companion

Deliver adaptive tutoring tailored to each student's unique pace and capabilities.

Research Discovery

Turn institutional research into a conversational knowledge base for easier exploration.

CASE STUDY:

Cybercrime Investigation System for Public Sector



Organization:

- A Public Sector in Hong Kong

Challenges:

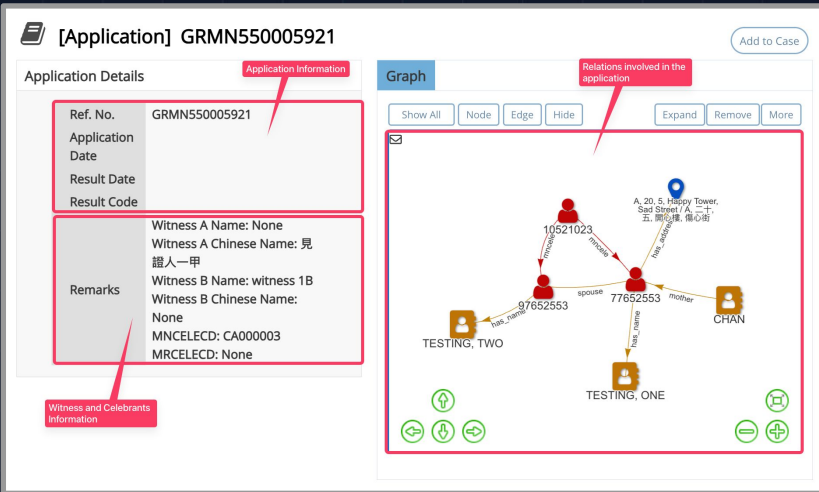
- Proliferation of banking partners with non-standardized account opening documentation formats.
- Heavy reliance on manual processes to extract critical data from high volumes of forms.
- Inability to efficiently digitize and process physical documents

Solutions:

- Implement OCR technology to automatically extract structured data from scanned documents.
- Develop a centralized system to integrate and correlate information across disparate databases, providing officers with a unified view for enhanced decision-making.
- Establish an interactive analytical dashboard featuring visualizations such as crime distribution maps, case severity charts, and suspect relationship diagrams.

CASE STUDY:

Cybercrime Investigation System for Public Sector



Organization:

- A Public Sector in Hong Kong

Challenges:

- Investigating suspicious individuals requires analyzing vast amounts of immigration entry and exit data from multiple ports.
- Current investigation process demands significant time and effort from the government department.

Solutions:

- Consolidates information from various sources for more effective record analysis.
- Apply AI techniques to automatically process data and generate relationship diagrams to assist with case management.
- Utilizes correlation analysis and outlier discovery by segmenting applicant profiles and tracking stable movement patterns.

CASE STUDY:

Text Analytics on News Articles

Ransomware Attacks Exploit VMware ESXi Vulnerabilities in Alarming Pattern

May 23, 2024 Ravie Lakshmanan

Ransomware / Virtualization



Ransomware attacks targeting VMware ESXi infrastructure follow an established pattern regardless of the file-encrypting malware deployed, new findings show.

"Virtualization platforms are a core component from inherent misconfigurations and vulnerabilities for threat actors to abuse," cybersecurity firm

The Israeli company, through its incident response LockBit, HelloKitty, BlackMatter, RedAlert (N13) Cheerscript, found that attacks on virtualization actions.

TG出現名為「香港中銀理財」檔案 列約300人個人資料

本地

發佈時間 09.06.2024 16:36

最後更新時間 09.06.2024 22:26



一個懷疑由黑客營運的Telegram群組，上載一個名為「香港中銀理財」的檔案，列出297人的姓名、身份證號碼及電話號碼。本台向部分事主查詢，獲確認是中銀香港的客戶，有事主指，平日只使用提款服務，擔心個人資料會被非法利用。個人資料私隱專員公署回覆指，並無收到相關資料外洩事故通報，會主動聯絡相關機構了解事件。

中銀香港：部分資料不屬於中銀客戶 無證據顯示資料經銀行外洩

Organization:

- A Financial Regulator

Challenges:

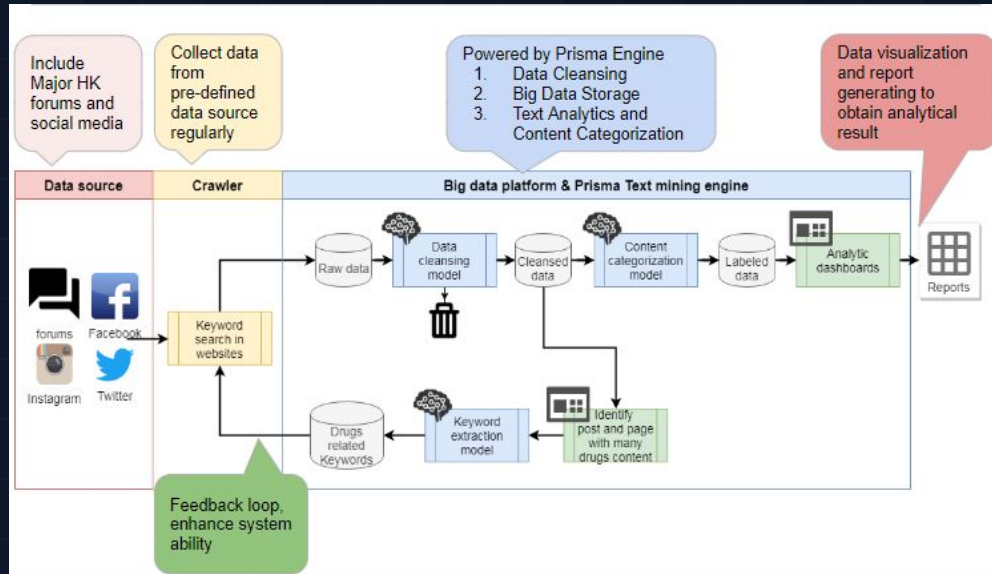
- Monitor the trend of financial news published worldwide.
- Get prompt notification on the event results in critical financial risk.

Solutions:

- Search and extract relevant news articles of banking industry using optimized queries.
- Apply PRISMA Text Analytics Engine to classify the topics and risk level based on the news content.
- Manage news article on the web portal and monitor the global trends of topics and entities.
- LLM Enhancement (LLM-Enhanced PRISMA) to discover new entities for system enhancement.

CASE STUDY:

Social Analytics Investigating Drug Abuse Trend



Organization:

- NGO in Hong Kong

Challenges:

- Analyze social media interactions with big data and machine learning techniques in drug abuse-related areas.
- Data crawling for various social media platforms, covered period from January 2016 to December 2020.

Solutions:

- Use PRISMA to extract meaningful context from textual data.
- Draw Insights on drug related issue on the internet not visible in case studies.
- Continuously monitor different drug-related issues on the internet.

CASE STUDY:

Company Background Search for Financial Institute

Company Names (separated by ',')

FINANCIAL TRADING ART SRL

Search

Company	Industry	Reference URL	Screenshot	HTML Archive
	Healthcare - Biotechnology	https://	Click to view	Click to view
	Unknown	NA	Click to view	Click to view
	Unknown	NA	Click to view	Click to view
	Fashion - Clothing and Apparel	http://	Click to view	Click to view
	Food and Beverage - Frozen Meat Products	https://	Click to view	Click to view
	Manufacturing - Textiles	http://	Click to view	Click to view
	Unknown	NA	Click to view	Click to view
	Energy - Energy Center	https://	Click to view	Click to view
	Food and Beverage - Meat Processing	https://	Click to view	Click to view
	Legal Services	https://	Click to view	Click to view

Financing provision company website:

are a dynamic and innovative multidisciplinary law firm with of Melbourne and Brisbane.

is one of Australia's oldest and most respected independent law firms. W multidisciplinary, dynamic and innovative.

Melbourne • Sydney • Brisbane One of A firms with a history of innovation. sked.link/cornwallslaw. Follow. Message.

IS AN INDEPENDENT COMPANY AND TRUST MANA BASED IN GIBRALTAR. We provide customised strategies to steer your business forward. Our mission ...

delivers local knowledge and Asia Pacific expertise a mergers & acquisitions, capital raising and corporate finance.

—CHECK WEB SEARCH RESULT DONE—

Node 'crawler' for CORNWALLS started:

Organization:

- A Financial Institute in Hong Kong

Challenges:

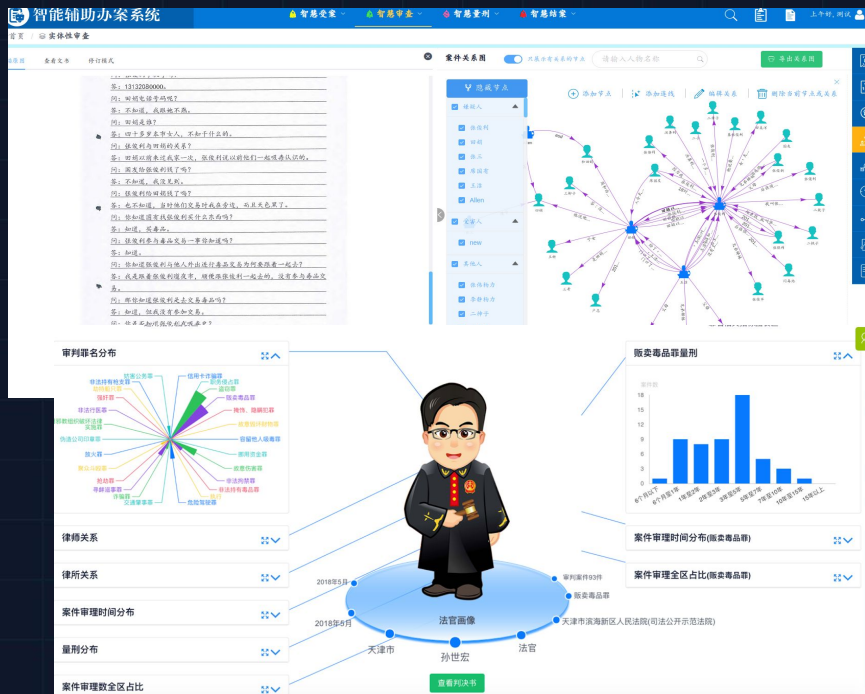
- Time-consuming to collect news data and analyze company information.
- Time consuming to cross checking company background.

Solutions:

- Automate data integration from diverse sources, especially from mainstream search engine platform.
- Utilize intelligent news analysis using PRISMA NLP models and RAG functions.
- Automatically identify and output the industry category of the searched company, and display the webpage source.
- Alert the staff if the company information differs from the declared information.
- Identify if there is negative news about the investigated company.

CASE STUDY:

Knowledge Management System for Law Enforcement



Organization:

- The Procuratorate in Mainland China

Challenges:

- High volumes of paper documents in different formats.
- Time consuming for data analysis and investigation with respect to statement consistency, cross-checking, fact-finding, etc.

Solutions:

- Text Mining by PRISMA NLP Engine.
- OCR to transform image to text.
- Auto-generate Relation Graph, Timeline, Inconsistency Highlight, etc.

BUILD YOUR FUTURE-READY ENTERPRISE

Transform your data into strategic intelligence
with Agentic PRISMA.

HONG KONG HEADQUARTER

 Units 211-213, Lakeside 1, Science Park West
Avenue, Hong Kong Science Park, N.T., Hong Kong

 +852 2655 6100

 enquiry@clustertech.com

 www.clustertech.com