



EKIP



The Enterprise Knowledge Intelligence Platform (EKIP) transforms organization's accumulated documents from a passive archive into an active decision support system. By instantly finding the most relevant sections among thousands of pages, it provides source-verified, context-aware information.

Problem and Need



In large-scale organizations, finding specific information within thousands of PDF, Word and text documents is a time-consuming and process. This problem is driven by several factors:

- **Information Fragmentation:** Finding specific data across different formats (PDF, DOCX, TXT) causes operational delays.
- **Loss of Context:** Standard search engines match keywords but cannot grasp the "meaning" of a question or its "context" within a document.
- **Security Concerns:** Using external AI tools to analyze sensitive information within corporate documents carries data security risks.

Solution

EKIP creates a corporate knowledge base by using artificial intelligence to make sense of the text, tables and images in the documents. When a user asks a question in natural language, the system finds the most relevant sections within seconds and generates a response that stays true to the document's content.



Key Features



- **Advanced Content Extraction:** Automatically extracts text, tables and images from uploaded documents to make them processable.
- **Smart Vector Database:** Breaks extracted content into meaningful segments (chunking) and stores them securely in a database.
- **Contextual Q&A:** Does not just provide general answers; it generates responses by referencing specific sections in the uploaded documents.
- **Source Citation:** Transparently shows to the user which document and which section the information was retrieved from for every response.
- **On-Premise and Secure:** The whole process takes place within the company's own network; all data is processed in a secure ecosystem.

Main Benefits



Instant Access to Information

Provides access to the required information within seconds among thousands of pages of documents.



Decision Support Mechanism

Accelerates managers' decision-making processes with summarized information extracted from analysis documents and reports.



Operational Efficiency

Eliminates the need for manual document scanning, allowing employees to focus on value add tasks.



Flexible Integration

Easily integrates into existing corporate systems and chatbot interfaces thanks to its FastAPI based structure.

How Does It Work?



- **Document Upload:** Users upload documents in PDF, DOCX or TXT formats into the system.
- **Embedding (Vectorization):** Content is converted into numerical vectors by AI and saved to the database.
- **Inquiry:** The user asks a question in natural language (e.g., "What is our net profit according to the 2025 annual report?").
- **Matching and Response:** The system finds the most relevant documents in the database, combines them with LLM models and creates a appropriate final response.