



Case Study

Delivering a 5% Cost Reduction and Saving up to 3,000 Annual Hours via a GenAI-Powered IT Procurement Platform

Client Overview

Managing hundreds of concurrent IT projects across a complex European vendor network requires centralized, immediate visibility into contracts and spending. This case study details how a leading global beverage company overcame heavily fragmented regional procurement systems that forced the CIO to rely on manual reporting. By deploying a multi-agent Retrieval-Augmented Generation (RAG) architecture on Azure Databricks powered by OpenAI GPT-4o, the enterprise successfully automated spend reconciliation. The 4-week PoC delivered 85%+ matching accuracy, saving up to 3,000 hours annually and cutting IT procurement costs by 5%.

The Challenge?



No Unified Visibility

IT-related procurement activities were fragmented across regional systems without any data standardization.



Manual Administrative Drain

Answering basic questions regarding spend, vendors, and contracts required extensive manual intervention.



Informed Decision Delays

The CIO faced severe delays in strategic reporting, hindering timely decision-making.



Contract Utilization Blind Spots

Leadership could not quickly identify top vendors, map spend by project, track expiring contracts, or measure contract under-utilization.

Solution Delivered



Azure Databricks RAG Engine

Implemented a Retrieval-Augmented Generation (RAG) setup optimized for multi-agent processing of both structured and unstructured data.



Semantic Indexing

Parsed and embedded CSV/Excel spend files alongside PDF/DOC contracts for intelligent semantic matching.



Natural Language AI

Empowered users to ask complex questions via a chat-based interface utilizing OpenAI GPT-4o to deliver context-aware responses.



Unified Angular Dashboard

Built a streamlined interface in Angular providing real-time visibility into vendor relationships and spend patterns.



Secure Enterprise Vector Search

Leveraged FAISS for rapid matching within the secure, governed environment of Microsoft Azure.

The Impact

Rapid 4-Week Delivery

Successfully validated the technology and business value via a fast-tracked 4-week PoC.

85%+ Matching Precision

Achieved greater than 85% accuracy autonomously matching raw spend data directly with active contracts.

5% Cost Optimization

Enhanced vendor transparency and negotiation power directly resulted in up to a 5% cost reduction in IT procurement spend.

Massive Time Savings

Automated reconciliation and reporting workflows saved the organization 2,000–3,000 hours annually.

Outcome

When procurement data is trapped in fragmented, unstandardized regional systems, strategic decision-making suffers. By replacing manual contract reconciliation with a multi-agent RAG architecture on Azure Databricks and OpenAI GPT-4o, this global beverage leader successfully modernized its IT procurement operations. The solution empowers the CIO with real-time insights, eliminating thousands of manual labor hours while directly reducing enterprise IT costs through data-backed negotiation power.



Interested in a customized solution designed to meet your unique requirements and achieve comparable results?

At Exponentia.ai, we partner with businesses to address complex data challenges and build trust in enterprise data. Our approach helps organizations streamline data management, improve visibility, and empower teams with reliable insights for better decision-making.

Engage with Us



www.exponentia.ai



engage@exponentia.ai



US



UK



UAE



IND



SGP