

## Streamlining Financial Analysis for a Global Bank using ORIAN – GenAI Accelerator

*How Xoriant created a next-gen Knowledge Management Platform: Leveraging GenAI for Competitor Insight Analysis*

The client is a global leader in the banking and financial services domain. They were investing significant time in mining, analyzing, and comparing diverse document types of competitor data for financial analysis.

### Challenges

The client wanted to leverage GenAI for automated data extraction from complex financial statements but were saddled by limited cloud connectivity in their infrastructure set up.

- Difficulty in managing large data volumes and documents from diverse sources
- Complicated manual analysis resulting in errors and delays
- Restricted access to cloud connectivity and open-source packages

### Solution

Xoriant enabled the client with a Knowledge Management Platform, harnessing a Retrieval Augmented Generation (RAG) pipeline on its GenAI accelerator, ORIAN. This solution analyzes competitor documents, leveraging Large Language Models (LLMs) for precise insights.

<b>Implemented</b> Retrieval Augmented Generation (RAG) pipeline with ORIAN, Xoriant's GenAI accelerator	<b>Leveraged</b> Open-source technology on virtual machines hosted on private cloud	<b>Extracted</b> Metadata with specialized PDF table extraction packages
<b>Employed</b> Large Language Models (LLMs) for extracting table commentary, enhancing inference capabilities	<b>Simplified</b> Document retrieval by breaking down complex queries into a list of sub-questions	<b>Streamlined</b> Information extraction by concatenation of results from all sub-answers

### Business Value

- Achieved**  
80% user satisfaction in query responses
- Facilitated**  
Informed decision-making with improved access to critical information
- Enhanced**  
Competitive analysis capabilities

### Technology Stack

Generative AI | LLM | Python | React JS | MongoDB | Flask | Nginx | Ubuntu | Llama-2 Mixtral 8X7B | Chroma DB | BGE Embeddings | LangChain | Chain-of-Thought | Streamlit | Ragas

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