

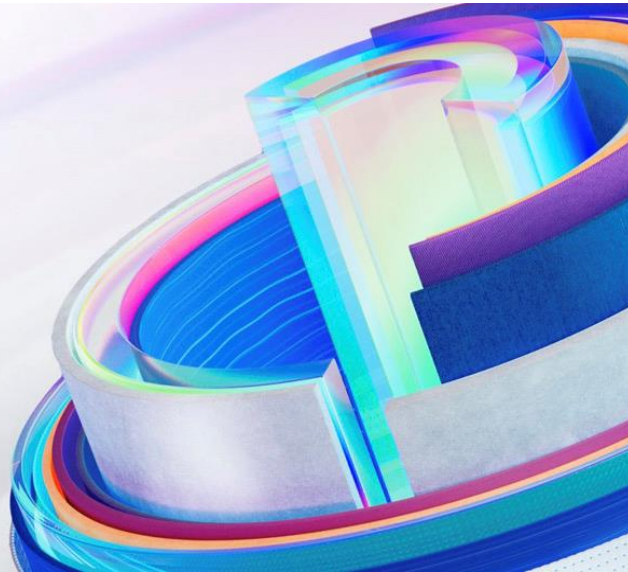


Enterprise Knowledge Advisor (EKA) - Powered by Open AI

Leveraging Advanced Language Models to Solve
Complex Business Challenges

Winner

Microsoft AI Partner
of the Year 2023



Vision



Speech

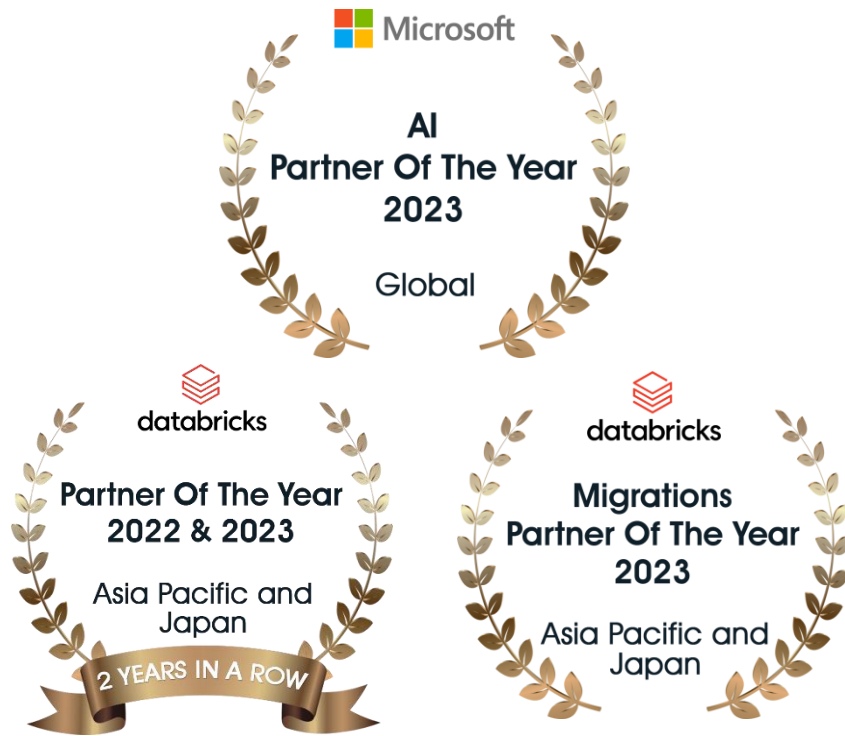


Language



Decision

Celebal Specialization and Strength



Partnerships



Advanced Specialization



- AI & Machine Learning
- Analytics
- Infra and Database Migration
- Kubernetes
- Cloud Security
- Low Code No Code
- Intelligent Automation



INDIA | USA | CANADA | APJ | MIDDLE EAST | AUS

2800+
Employees

800+
AI experienced
professionals

500+
AI Certifications



Industries We Serve



Manufacturing



Retail & CPG



Financial
Services



Energy &
Sustainability

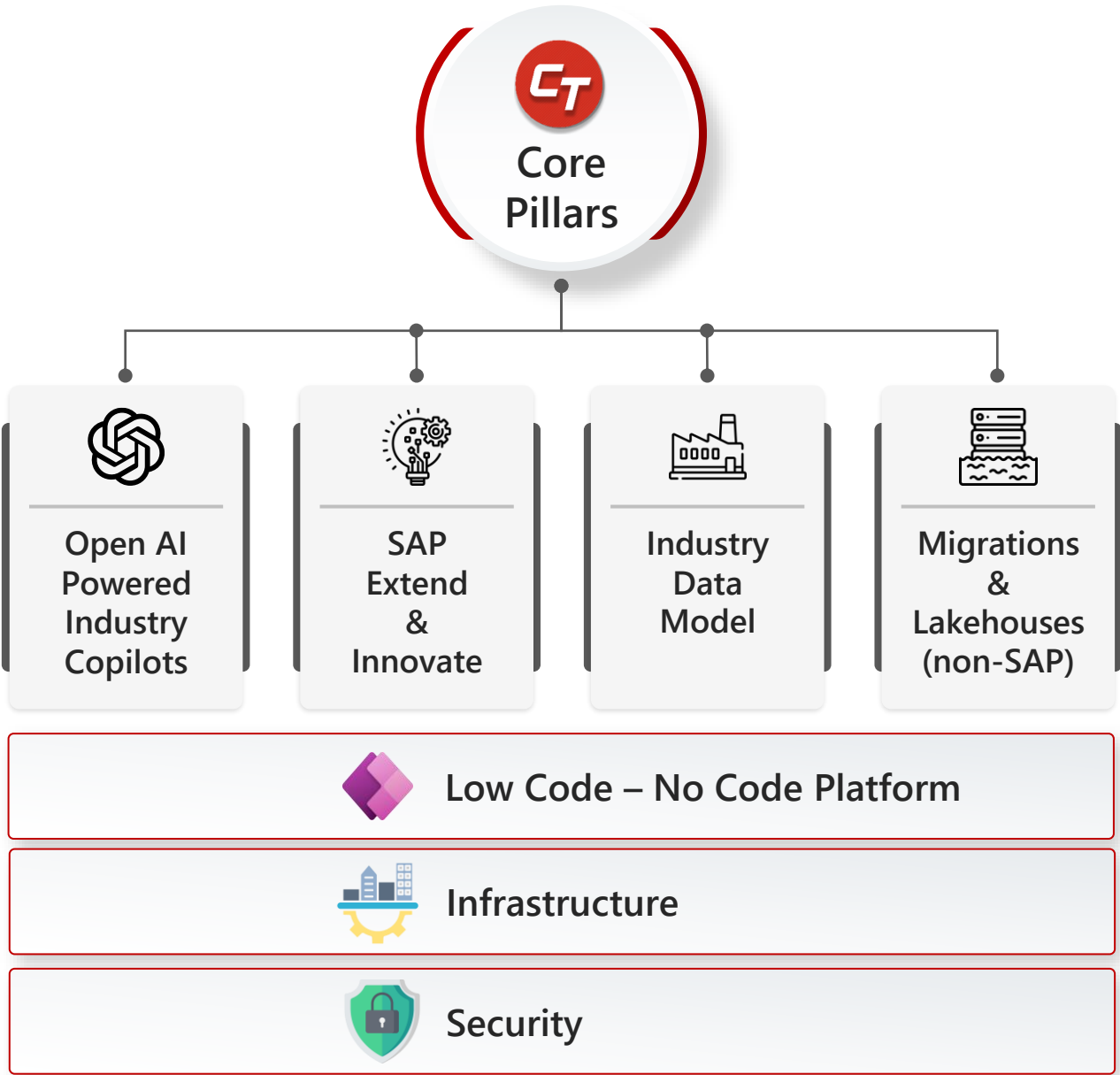


Healthcare &
Life Sciences



Media &
Entertainment

Celebal Core Pillars



Enterprise Knowledge Advisor (EKA)

EKA delivers an enhanced experience that enables organizations to gain insights faster from content that would otherwise remain untapped.

Features

- Helps quickly review these dense materials
- Quick and near real-time
- Helps avoiding costly mistakes
- Attorneys can quickly identify entities of importance from discovery documents
- Flags important ideas across documents
- Helps to quickly review and research of technical data
- Help organizations to scour thousands of pages of sources to create an accurate bid



Industry Use Cases



Manufacturing

- ✓ BOM Explosion
- ✓ Knowledge discovery bot
- ✓ Warranty and product performance.
- ✓ Field service troubleshooting & support
- ✓ Prescriptive maintenance actions
- ✓ Technical - summarization (SOPs, work instructions, etc.)
- ✓ Automated analysis for daily production/ shift reviews



Retail and CPG

- ✓ Inventory Replenishment by shoppers search
- ✓ Product feedback and insights generation
- ✓ Real time hyper-personalization
- ✓ Virtual shopping assistants
- ✓ Product search & recommendations
- ✓ Customer service routing & chatbot
- ✓ Competitor / Market summarization
- ✓ Document discovery



FSI

- ✓ AML and KYC Automation
- ✓ Email and Legal Reports Automation
- ✓ Financial Data Summarization
- ✓ Credit Risk Modeling
- ✓ Market Analysis and Investment Research
- ✓ Compliance and Regulatory Reporting
- ✓ Claim Assessment and Fraud Detection
- ✓ Customer Service Automation



Oil and Gas

- ✓ Reservoir Simulation
- ✓ Well Drilling Optimization
- ✓ Seismic Data Analysis
- ✓ Energy Consumption Forecasting
- ✓ Environmental Impact Assessment
- ✓ Equipment Health Monitoring
- ✓ Production Forecasting
- ✓ Fraud Detection

Functional Use cases



Case Study

Business Scenario

- Tedious task to extract information from pdf, images, excel and databases.
- Unstructured and unorganized nature of text makes it difficult to analyze.
- Analyzing thousands of pages of documents and extracting insights from it is not manually feasible.
- Most companies fail to extract value from their documents because of the time-consuming extraction process.

Conclusion

- An automated knowledge mining system (EKA) leveraging text analytics and deep learning.
- Information Retrieval and Relationship Extraction were used for designing this system.
- The model captures semantic and syntactic information from natural language.
- Relationship Extraction is used for classifying the possible answers.
- Average response time of 15 seconds for doc style PDF and 57 seconds for Image PDFs
- Content extracted with 94% accuracy





CELEBAL
TECHNOLOGIES

Thank You