

Driving your business transformation with specialized, industry- and task-specific LLMs

Fujitsu leverages various business-specific AI technologies, including generative AI, action recognition AI, and demand forecasting, to support the creation of new services and businesses that improve daily convenience and enhance people's abilities and knowledge.

In the enterprise domain, dealing with sensitive corporate data, security, accuracy, and strong adaptability to specific business requirements are critical. Our LLMs, trained with a deep understanding of industry-specific terminology and specialized knowledge through RAG (Retrieval-Augmented Generation) and fine-tuning, generate highly accurate responses and content in nuanced, high-quality Japanese.

This capability ensures precise information generation, driving efficiency in specialized industry and operational domains where AI previously faced limitations.

Key Benefits

"Takane," our enterprise-grade, task-specific LLM, is the result of combining Cohere's strengths in enterprise LLM technologies with Fujitsu's advanced Japanese-specific pre-training and fine-tuning capabilities. Takane offers a deep understanding of industry-specific terminology and specialized knowledge, thereby achieving exceptional accuracy and quality. Furthermore, its deployment within secure, private environments ensures organizations can leverage LLM capabilities with complete confidence.



jointly developed
business-specific
LLM
Takane
高嶺



High-level Japanese language processing capabilities

Leveraging its proprietary supplementary Japanese language training, Fujitsu demonstrates world-class Japanese language proficiency.



Supports multiple languages

With comprehensive support for 10 key optimized languages (1) and an additional 13 languages (2), this solution is ideally suited for tasks demanding multilingual proficiency.



Available for deployment in your secure private environment

Facilitates secure LLM deployment and operation within your organization's dedicated private environment.



Customization through fine-tuning

This enterprise-grade LLM is fully customizable with an organization's proprietary data.



RAG technology to mitigate hallucinations

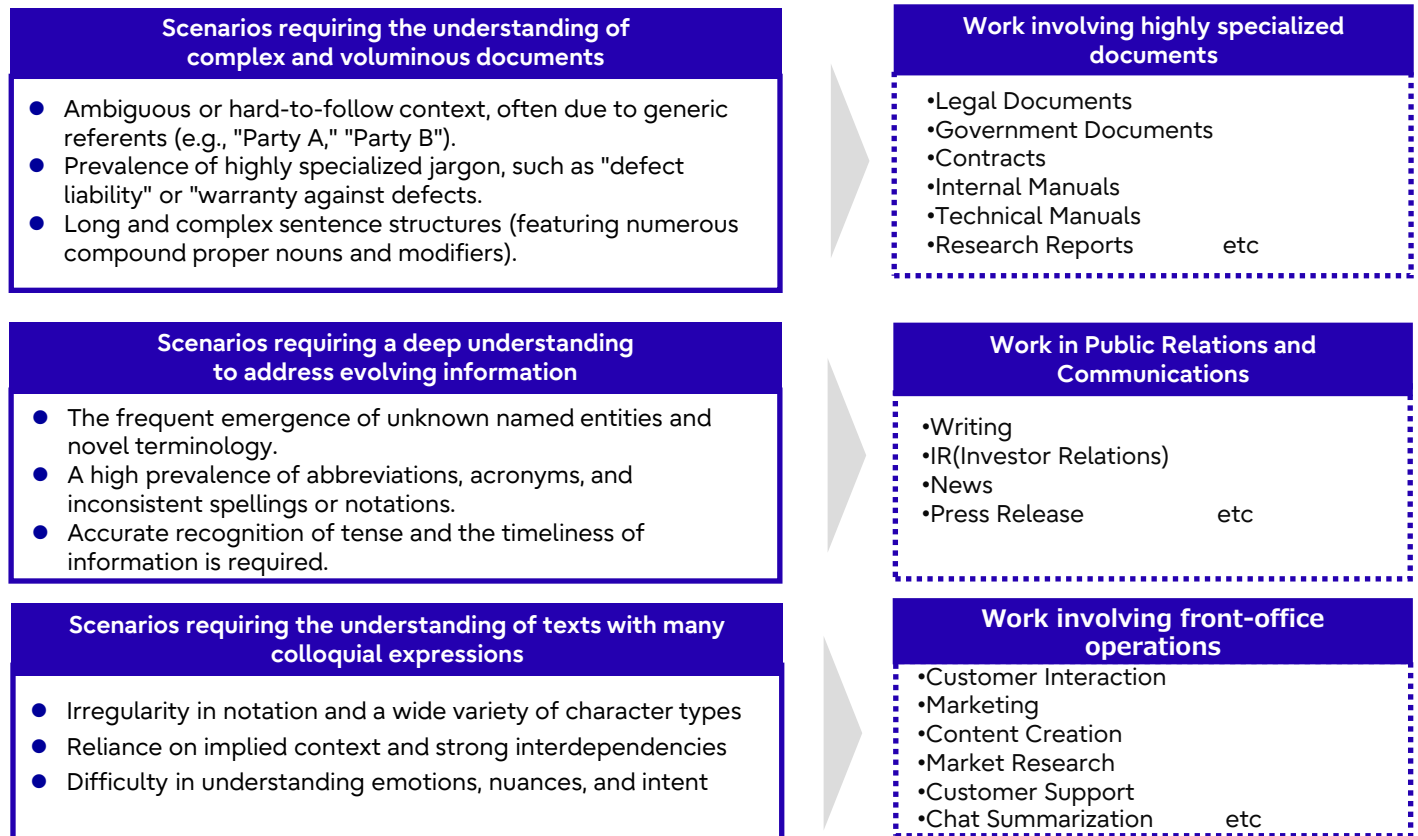
By leveraging Cohere's RAG technology, with strengths in enterprise AI, we deliver highly relevant responses and effectively mitigate hallucinations.

※1... English, French, Spanish, Italian, German, Brazilian Portuguese, Japanese, Korean, Simplified Chinese, and Arabic
※2... Russian, Polish, Turkish, Vietnamese, and others.

Use Case

From intricate business documents and ever-evolving information to the authentic voices of customers, we deliver highly accurate analysis and responses by deeply interpreting even specialized industry and operational domains that previously challenged AI.

This empowers our customers, driving significant improvements in business efficiency and enhancing high-quality decision-making through capabilities such as complex document summarization, information research, and sentiment analysis.



Features

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| 1 Enterprise-grade, task-specific LLMs | <ul style="list-style-type: none">• 'Takane', which has high Japanese language processing capabilities, is available.• We offer a range of model sizes, from small to large, to suit varying project requirements. |
| 2 RAG functionality to reduce hallucinations | <ul style="list-style-type: none">• 'Embed' that supports one of the longest token lengths available, enabling highly accurate, context-preserving retrieval.• 'Rerank' that promotes highly relevant results to the top, helping to reduce hallucination risks |
| 3 Assessment and consulting services that support the creation of customer-specific, specialized LLMs | <ul style="list-style-type: none">• We assist with fine-tuning to fully customize LLMs using your organization's proprietary data. |

We are also developing services that feature an interactive interface.
For further information, please refer to [here](#).

Contact

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