

Casual AI technology sought by Japanese multinational

Summary

Profile type

Technology request

Company's country

Japan

POD reference

TRJP20260918016

Profile status

PUBLISHED

Type of partnership

**Research and development
cooperation agreement**

Targeted countries

• All countries

Contact Person

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Term of validity

28 Sep 2027

Last update

28 Sep 2026

General Information

Short summary

A Japanese ICT company is seeking international collaboration with EU companies and organizations to jointly explore solutions combining Causal AI with local and industry expertise, to address regional and sector-specific challenges.

Only companies with relevant technology will be considered for collaboration.

Full description

A Japanese ICT company is seeking international collaboration with companies and organizations to jointly explore solutions combining Causal AI with local and industry expertise, to address regional and sector-specific challenges. The company has experience in research and application of digital technologies, primarily AI, across a wide range of industries, including manufacturing, distribution, healthcare, biotechnology, automotive, financial services, and environmental sustainability.

The company researches and develops Causal AI technology that analyzes data to identify factors that influence outcomes and possible actions. In collaboration with a European partner, Causal AI would be one element combined with a partner's industry knowledge, data, technologies, and connections with local markets and customers, and expertise in system integration, deployment, and operations. The aim of the partnership is to jointly explore opportunities to address challenges and create new value by leveraging the strengths of both parties, as well as to validate applications and services suited to each region and industry. Collaboration would not assume the adoption of either party's technology or services.

Specific forms of collaboration and roles would be discussed based on the objectives and strengths of both parties. Depending on the collaboration theme, activities may include a combination of the following:

- Joint evaluation and validation using available data
- Joint exploration and development of analytical models, business applications, and use cases for specific industries
- Exploration of functions and solutions that combine the technologies and existing products or services of both parties
- Sharing of roles from understanding regional and market needs through deployment, operations, continued use, and expansion

Potential collaboration partners include, for example:

- Companies with operational data and specific business challenges
- Companies with technologies or services related to AI, data analytics, or business process improvement
- Software companies and system integrators exploring the integration of new technologies with existing business systems or analytics services

Areas of particular interest include decision-making and operational improvement involving multiple factors, such as pricing, sales, inventory, workforce allocation, manufacturing conditions, health management, and research and development.

The most appropriate approach would be discussed based on the objectives of both parties. If technology use or licensing is required, this would also be considered individually according to the scope of collaboration.

Costs, intellectual property rights, the scope of data use, ownership of deliverables, and roles for operations and maintenance would be agreed by both parties according to the collaboration.

Advantages and innovations

Technical specification or expertise sought

The collaboration is intended to bring together complementary knowledge and assets and jointly establish the conditions needed for validation.

Key considerations include:

- Business knowledge of the target industry and expertise needed to define the scope of analysis, evaluation metrics, and improvement objectives
- Data available for analysis: outcome indicators and related factors, data definitions, quality, time periods, update frequency, and usage permissions
- Technologies and organizational capabilities, as needed, for data preparation, integration with existing systems, user interface and application implementation, deployment, and operations
- Compliance with data protection, information security, intellectual property requirements, and regulations in each country and industry

When personal information, medical or health information, or confidential data is involved, both parties would confirm that an appropriate secure environment and necessary permissions are in place.

Purpose of Collaboration:

- Identifying factors that affect business performance and key indicators, and exploring actions related to sales, pricing, inventory, workforce allocation, and other areas
- Optimizing manufacturing conditions and improving yield
- Analysis combining health and genetic information, lifestyle data, medical knowledge, and related information
- Analysis of environmental, social, and governance information and exploration of measures to enhance corporate value
- Analysis combining limited data with expert knowledge

The main Causal AI technology elements that may be used in collaboration include:

- Causal discovery across diverse conditions (up to 1,000 times the processing performance of Direct LiNGAM under certain conditions)
- Analysis of causal factors and presentation of mathematically optimized action options with explainable rationale
- Analysis of causal relationships by integrating multiple datasets
- Analysis that incorporates prior knowledge, such as previous analysis results and known causal relationships (Potential partners are not expected to possess advanced causal analysis technology in advance.)

Joint validation would examine, in the context of the target business process, aspects such as visualization of causal relationships, explanation of the rationale behind recommendations, incorporation of expert knowledge, and applicability when data is limited. Potential application areas include manufacturing, retail, health and genetic information, employee surveys, management and finance, and environmental, social, and governance analysis.

Previous studies have included analyses using genetic and lifestyle data from approximately 4,000 individuals, approximately 3,000 items of health-related knowledge accumulated over 20 years, and disclosure data from more than 1,000 publicly listed companies in Japan.

Stage of development

Sustainable Development goals

• **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR Notes

IPR Notes

Partner Sought

Expected role of the partner

The company and potential partners would bring together the company's Causal AI technology and the partner's industry knowledge, data, local and customer connections, and expertise in system integration, deployment, and operations to jointly explore:

Potential collaboration partners include the following types of companies and organizations:

- Companies with operational data and business improvement challenges
- Companies with technologies or services related to AI, data analytics, business optimization, or decision support
- Software vendors and system integrators exploring the integration of AI technologies with existing products or services

Roles would be discussed according to the business activities and capabilities of both parties. Key activities may include:

- Joint definition of business challenges, use cases, evaluation metrics, and improvement objectives
- Joint confirmation of the usage conditions and quality of validation data, and joint evaluation of results
- Integration with existing systems and data platforms, and allocation of roles for required development, deployment, and operations
- Understanding regional and customer needs and jointly exploring industry-specific solutions and applications
- Joint exploration of continued use, expansion into target regions, and sustainable commercialization

With operating companies, the collaboration would primarily bring together business challenges, data, and validation capabilities.

With software companies and system integrators, it would primarily combine expertise in data integration, development, deployment, and operations.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **SME 11-49**
- **SME 50 - 249**

Dissemination

Technology keywords

- **01003003 - Artificial Intelligence (AI)**

Market keywords

- **02007021 - Other Artificial intelligence related**
- **02007020 - Artificial intelligence programming aids**
- **02007016 - Artificial intelligence related software**

Targeted countries

- All countries

Sector groups involved