

Japanese company with cloud-based software platform for the analysis of water leakage risk assessment through satellite data is looking for a commercial agreement with EU partners

Summary

Profile type

Business Offer

Company's country

Japan

POD reference

BOJP20240404016

Profile status

PUBLISHED

Type of partnership

Commercial agreement

Targeted countries

• **World**

Contact Person

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Term of validity

4 Apr 2024

4 Apr 2026

Last update

12 May 2025

General Information

Short summary

A Japanese company developed a cloud-based software platform allowing in deep analysis of landscapes provided by satellite data, through the use of artificial intelligence. The platform is mainly used for water leakage risk assessment solution in existing infrastructures. The company is looking for a commercial agreement with relevant EU partners to offer its services.

Full description

Tenchijin is a JAXA (Japan Aerospace Exploration Agency) startup is providing a water leakage risk assessment solution, called COMPASS KnoWaterleak. The solution supports municipalities, municipal companies and water utility providers to reduce non-revenue water as well as network inspection and maintenance costs, and enhance operation efficiency significantly.

With the Japanese company's water leakage risk assessment solution, water utility providers can make faster and well-informed decisions and can plan their inspection campaigns efficiently, as they can direct their crew to the most critical and important urban areas. The company technology has been utilized and reviewed positively by Japanese local municipalities, allowing them to find more leakages and to reduce cost significantly.

The company wishes to build partnerships in the EU to conduct pilot projects using their service in each EU Member State. In partnerships with municipalities or water companies, the main purpose is to understand local needs for the solution through pilot usage of the company's risk assessment solution. With solution providers in the water sector, the projects' contents should be defined based on capabilities of each side.

The Japanese company has experience conducting projects outside Japan, including in Germany, France, Spain and a few other countries.

The company was awarded for two consecutive years during the "Copernicus challenge", a competition of space tech industry run by the European Space Agency. They are also certified as a JAXA (Japan Aerospace Exploration Agency) venture company and J-tech startup, aiming to develop and conduct space technology business globally.

Advantages and innovations

The water leakage risk assessment solution is a subscription-based software with graphical interface.

With the KnoWaterleak turnkey users can visualize:

- the urban areas prone to severe water leakage risks
- the risks in critical urban areas (e.g. areas near hospitals, with a high population density, etc)

In addition, with the solution's data aggregation capability, users can visualize and value all useful information pertaining to their distribution network (pipes, sensors, pumps, valves), the inspection and leakage history as well as to the environment (land surface temperature, land motion, rain, traffic, etc). Furthermore, they can monitor the work from on-site crew. As a result, water utility providers can increase efficiency, reduce non-revenue water by 20 times and reduce inspection cost by 50%.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR Notes

Sustainable Development goals

• **Goal 11: Sustainable Cities and Communities**

Partner Sought

Expected role of the partner

For partnerships on pilot projects with water utility providers and municipalities:

- Required role: Implementation of the water leakage risk assessment solution and providing feedback (e.g. how many leakages found, usability, required additional functionalities, etc.).

For pilot projects with water solution companies (Smart meter company, software for water operation, water leak inspection companies)

- The partner should have an existing network and be familiar with local regulation in conducting proof of concept.
- Required role: Make a proposal together for their customers. The contents of the pilot project depend on the capability of each side. Manage communication with clients.
- After/during the pilot project, the way of collaboration for official business could be discussed.

Type of partnership

Commercial agreement

Type and size of the partner

- **SME 50 - 249**
- **SME <=10**
- **SME 11-49**
- **Big company**

Dissemination

Technology keywords

Market keywords

- **09008002 - Water, sewerage, chemical and solid waste treatment plants**

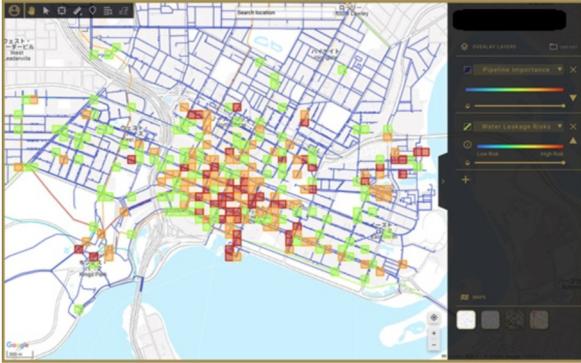
Targeted countries

- **World**

Sector groups involved

Media

Images



[image 1](#)



[image 2](#)