

July 4, 2024

Kudan Inc.

Kudan supports the development of digital twin solutions for forest management and forestry automation promoted by the Finnish Government

Kudan is pleased to announce that it has been providing its unique artificial perception technology to the Natural Resources Institute Finland (LUKE), a research institute under the Ministry of Agriculture and Forestry of Finland, to support the development of digital twin solutions for forest management and forestry automation.

Finland, the largest forestry country in Europe and one of the world's leading forestry countries, is promoting the use of advanced technologies known as Smart Forestry and Forestry DX, including data management of forest resources and IoT-based harvesting processes.

This time, Kudan's unique artificial perception technology, Kudan SLAM, is used to generate an elaborate 3D digital twin of the forest and centrally manage information such as tree thickness, height, shape and position in a database, enabling the automatic extraction of logs for harvesting and conservation and efficient forest resource analysis.

The use of backpack-type mobile mapping equipment equipped with Kudan technology not only enables the acquisition of precise, high-resolution tree information, which has been difficult with conventional drone-based laser measurement due to shading by branches and leaves, but also enables the speedy digitisation of large forest areas through efficient data acquisition and generation.

In addition, future plans for the automatic operation of forestry machinery in forest conservation and harvesting processes, for example through the application of artificial perception technology for robotics, are also envisaged. Kudan is committed to supporting progressive initiatives to increase labour productivity in forestry while preserving the forest environment and natural ecosystems in Finland.

(Future Outlook)

We estimate that this will only have a minor impact on the company's financial performance for the current fiscal year at this time. We will promptly make an announcement if any event requiring disclosure arises.

About Kudan Inc.

Kudan is a deep tech research and development company specializing in algorithms for artificial perception (AP). As a complement to artificial intelligence (AI), AP functions allow machines to develop autonomy. Currently, Kudan is licensing its technology for next-generation solution areas such as digital twin, robotics and autonomous driving.

For more information, please refer to Kudan's website at <https://www.kudan.io/>.

■Company Details

Name: Kudan Inc.

Securities Code: 4425 (TSE Growth)

Representative: CEO Daiu Ko

■Contact Information

For more details, please contact us from [here](#).