

Future Architect Promotes Automation of Warehousing Operations through AI Image Inspection Using Its Proprietary OCR Solution, “Future EdgeAI”

Full-scale deployment of “EdgeAI Batch Inspection,” an automation service for inspection per pallet

Future Architect, Inc.
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Future Architect, Inc. (Headquarters: Shinagawa-ku, Tokyo; President: TANIGUCHI Tomohiko; hereinafter “Future Architect”), a main operating company of Future Corporation (Securities Code: 4722), will roll out an automated inspection service called “EdgeAI Batch Inspection” utilizing “Future EdgeAI,”* its independently developed AI-OCR (Optical Character Recognition) solution, in July 2024. When products are unloaded at designated locations, AI image recognition enables smartphones to automatically take pictures and perform batch inspections, thereby reducing labor and improving operational efficiency in warehousing operations.

This service was developed by Future Architect, which received an order from ITOCHU-SHOKUHHIN Co., Ltd. (Headquarters: Osaka City, Osaka; Representative Director and President & CEO, Chief Corporate Officer: OKAMOTO Hitoshi; hereinafter “Itochu-Shokuhin”) to propose a solution to improve the efficiency of warehousing operations. Future Architect explored solutions with “Future EdgeAI” to on-site issues and conducted field trials while adjusting the method of photographing, loading, and other conditions at the Itochu-Shokuhin warehouse, and has made numerous improvements to the service.

“Future EdgeAI,” the base of this service, is a solution that enables documents and slips to be instantly converted into data on the spot simply by photographing them with a mobile device such as a smartphone or handy terminal. A mobile device itself can recognize text, so it can be used in an offline environment. Our proprietary edge AI technology enables highly accurate reading of various fonts, including kanji, hiragana, kana, and alphanumeric characters, as well as handwritten Japanese characters. The use of the system is expanding in various fields, such as inspection work at the time of receipt of goods, inspection during product picking work and case mark reading for international cargo.

* Edge AI is a technology in which an AI-powered device collects and processes data within the device and produces decisions instantly through inference and learning. “Future EdgeAI” is a registered trademark of Future Corporation.

About : Future Corporation

Future Group is a company that conducts "IT Consulting & Service Business" and "Innovation Business" through the use of latest technology. Since the founding in 1989, we have designed and improved the business of our clients through developing systems that integrates business management with IT. Our clients are from various industries including Finance, Manufacturing, Distribution and Logistics. We have also created our own new services based on the know-how we have accumulated in this process. We are contributing to the society by promoting innovation and creating new values for clients that is based on the strengths of "connoisseurship" and "implementation ability" of latest technologies such as AI and robotics.

Source : Future Corporation

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