

Visual inspection system utilizing remote robot operation services

Exhibition sponsored by: Remote Robotics Inc.
SKYLOGIQ Co.,Ltd.

- We propose a new work style that allows humans and robots to work together on a remote system utilizing "Remolink," a cloud service that enables new remote work where humans and robots share roles and work remotely, i.e., neither entirely operated by humans nor fully automated by robots.

No need to aim for full automation A new option where humans and robots remotely work together

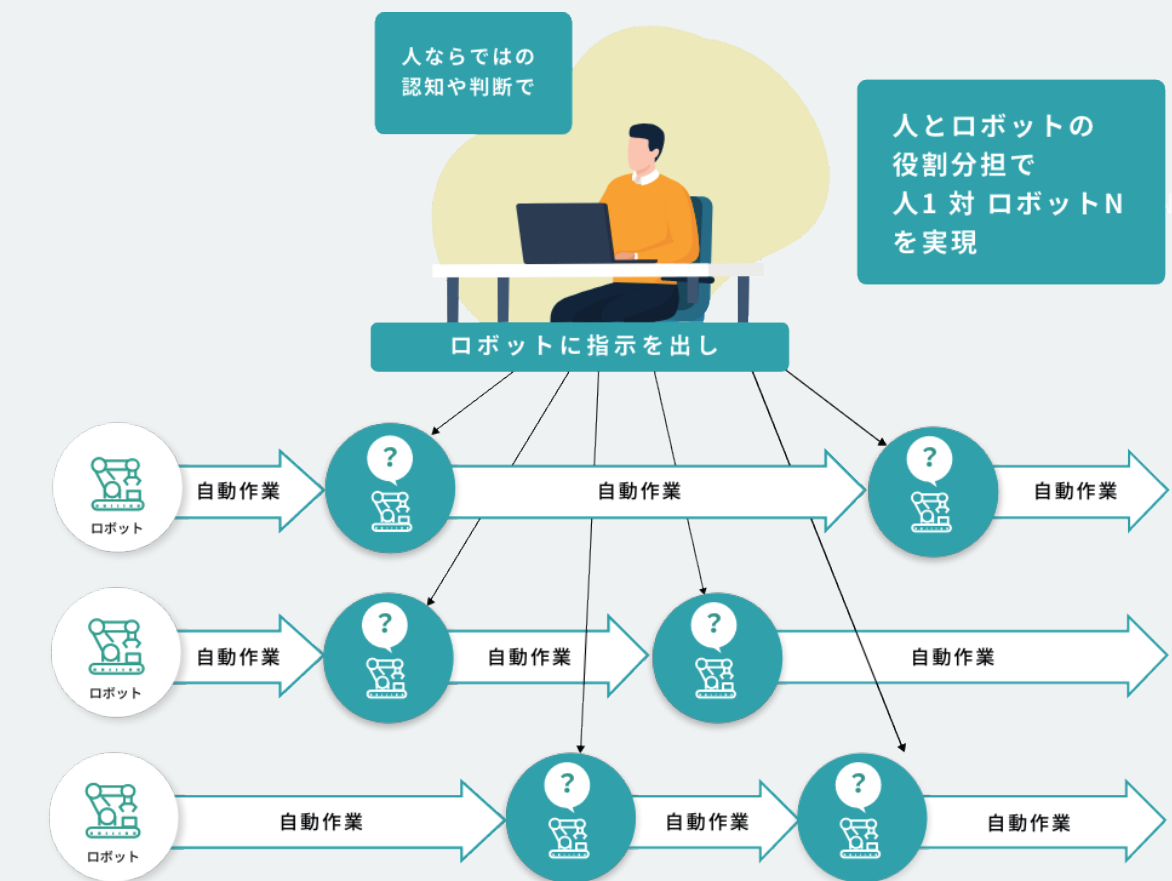
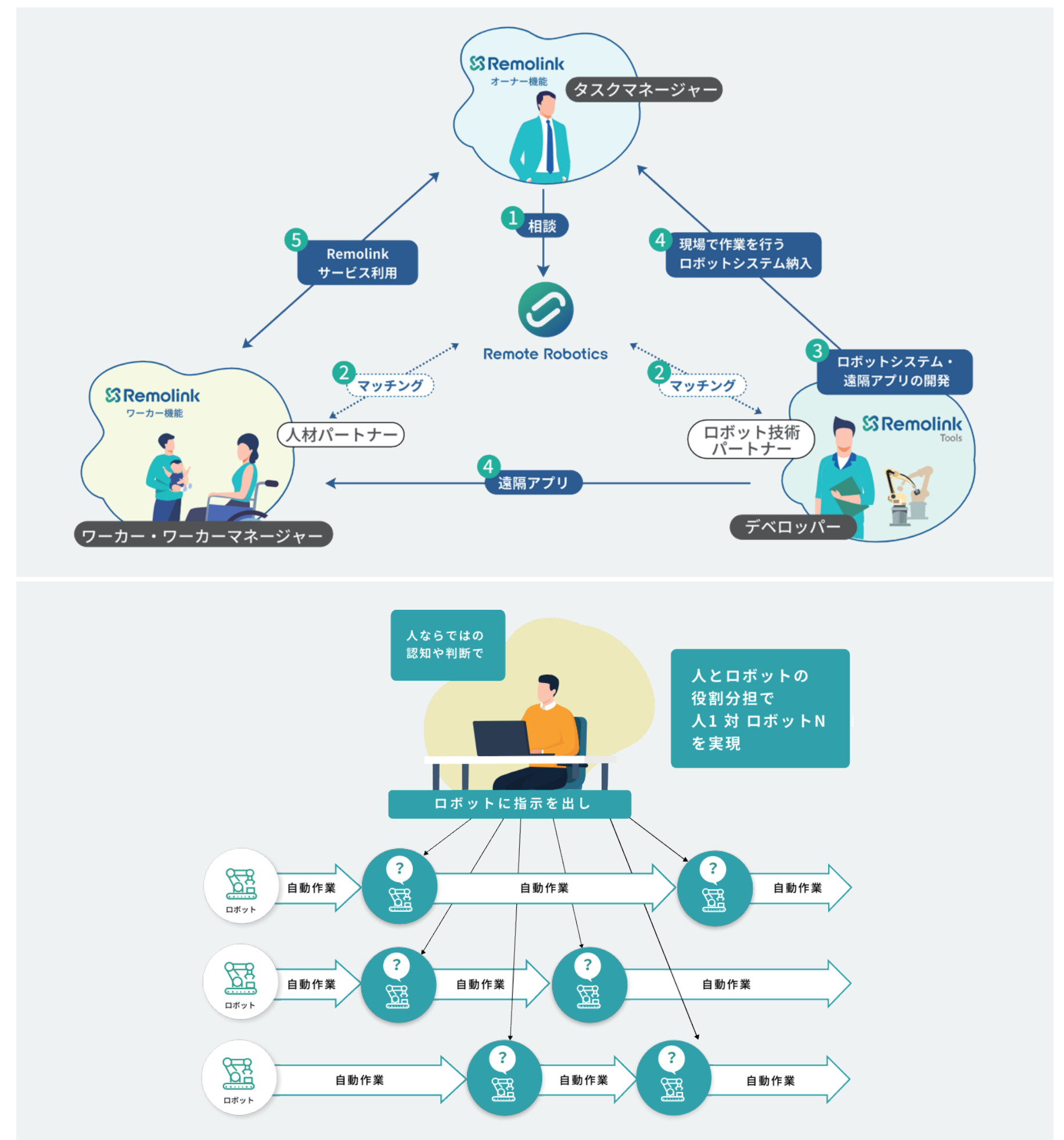
*Creating a menu for remote robot operation services is now under consideration at DENSO WAVE

We propose a new option that allows humans and robots to work together remotely, taking advantage of both "human judgment" and "robot's autonomous behavior," where humans remotely give instructions to robot systems installed at worksites through "Remolink."

Features such as a matching service for finding remote workers, giving instructions from owners to workers, checking work results, etc., are available.

Allows workers who cannot go to their workplace or cannot work full time to work in shifts, contributing to an improved employment environment and addressing labor shortages

Eliminates the need for going to the robotic system installation sites and allows a single worker to control multiple robots from a remote location to efficiently complete various processes that should take less than a day with one worker



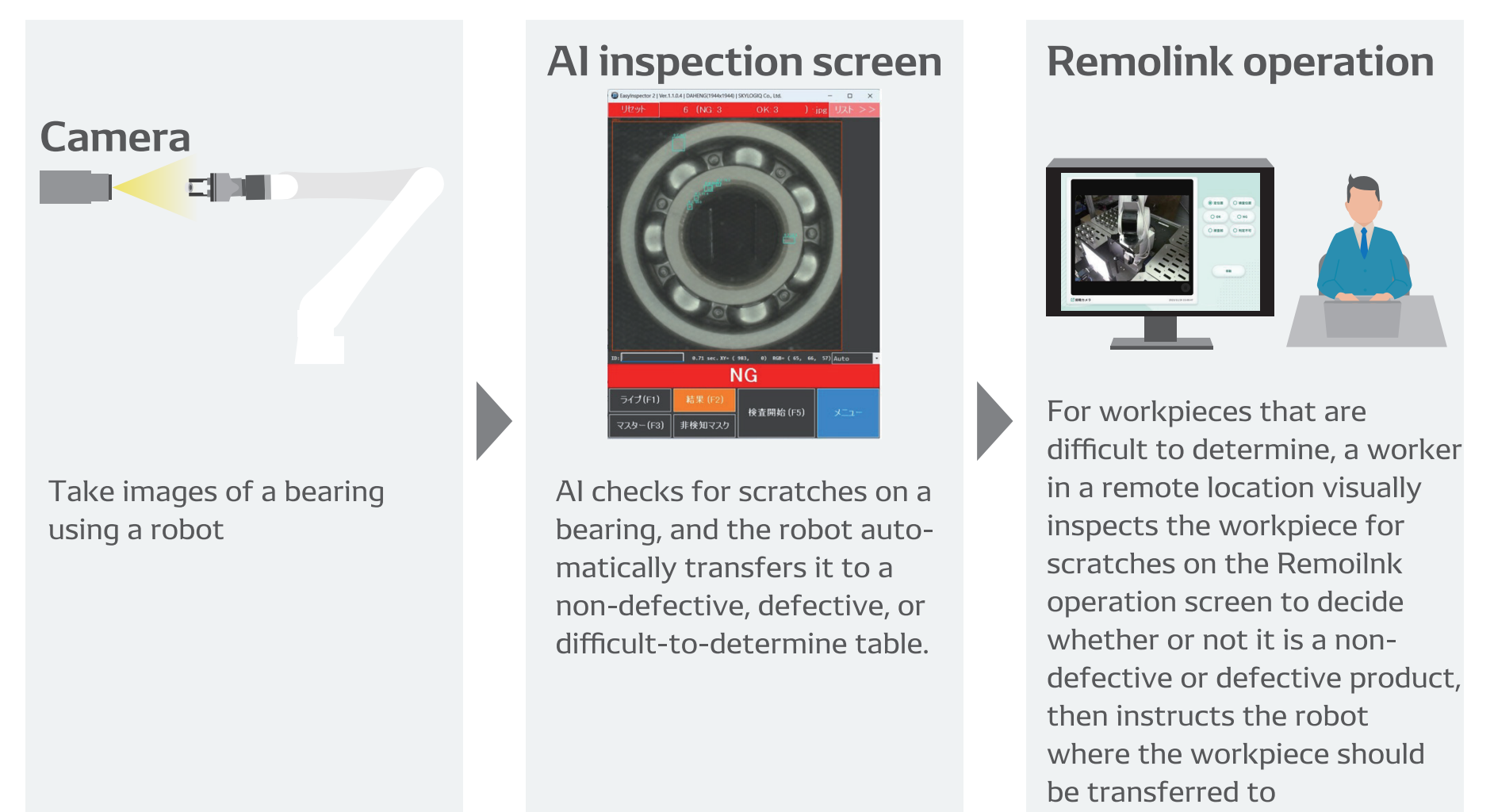
Robotization of the visual inspection process by combining Remolink and Denso robots

A system is built by combining image inspections by AI and automatic transfers by a robot with remote robot operations.

This system allows a human to remotely re-inspect workpieces determined to be defective or problematic to decide on during AI inspection.

An evolutionary AI visual inspection system can be built by having AI re-learn the result of the reinspection performed by a human for workpieces that are defective or difficult to determine to improve AI model performance

Inspection process flowchart



System configuration

