AI-based Thermal-Fluid Simulation Leading to Automated Product Design （RICOS Co. Ltd.）

RICOS

City	Year of Establishment	Founder
Chiyoda-ku, Tokyo	2015 (Year of business start)	Yu Ihara

Partner VC	Latest round of Fundraising	Valuation
The University of Tokyo Edge Capital Partners Co., Ltd.	Series A-2	JPY 1,200 million

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○ Business Plan

   In current product design, simulations take time and are limited in application. RICOS aims to develop an AI-CAE system for thermal fluids using proprietary AI technology highly compatible with physical phenomena to solve various issues in analysis. Customer needs have already been identified, and the development system will be swiftly introduced to the market and expanded for sales.

○ Research Outline

   In this R&D effort, in the area of thermal fluids (and related fields), we aim to 1) complete the AI algorithm that will serve as the core of the system to be provided to customers and achieve the prediction speed and accuracy they require, and 2) implement a system for the thermal fluidics field that uses that algorithm, identify the functions that customers require, and set a goal for development and implementation.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Information & Communication	STS 2024 - 2025FY	JPY 190 million	—

As of April,2024