



Canon Marketing Japan Makes Additional Investment in Turing Inc., a Developer Advancing Fully Autonomous Driving Through Generative AI

Canon Marketing Japan Inc. (President & Representative Director: Masachika Adachi, “Canon MJ”) has invested in Turing Inc. (CEO: Issei Yamamoto, “Turing”) a developer of fully autonomous driving technologies using generative AI, through Canon Marketing Japan MIRAI Fund, a corporate venture capital (CVC) fund. This marks Canon MJ’s second investment in Turing following its Pre-Series A round.



Turing is developing two technological pillars: an end-to-end (E2E) autonomous driving AI that uses camera-derived data to perform environmental recognition, route planning, and driving control under a single integrated model; and a large-scale foundation model designed to understand human common sense, context and social norms.

Turing is driving innovation in the autonomous driving domain through the development of key technologies such as Heron, a multimodal generative AI capable of advanced decision-making by integrating different types of data including visual and linguistic data; Terra, a self-driving-oriented generative world model*1 capable of recreating highly realistic driving scenes in video form; and CoVLA Dataset, a dataset for VLA*2 models designed for autonomous driving that describes driving environments in natural language, and generates appropriate route plans based on image inputs.

By combining these technologies, Turing aims to achieve “fully autonomous driving”, in which a vehicle independently performs all driving operations without human intervention.

The Canon MJ Group explores the cutting-edge technologies and business ideas and pushes ahead with open innovation and new value creation, aiming to solve social issues by taking a future-oriented approach.

The fully autonomous driving technologies pursued by Turing represent a form of physical AI - AI that interacts with the physical world to perform recognition, learning and control. In addition to transforming the mobility industry, implementations of physical AI are expected to contribute to solving a wide range of social challenges. Through this investment, the Canon MJ Group aims to support the long-term social implementation of fully autonomous driving technologies and contribute to building a sustainable future.

※1. An AI model that reproduces real-world structures and causal relationships to generate and predict future scenarios

※2. A next-generation foundation model that integrates Vision, Language, and Action to enable human-like decision making

■ Overview of Turing

Company name	Turing Inc.
Established	August 2021
Location	Shinagawa-ku, Tokyo, Japan
Representative	Issei Yamamoto
Description of business	Development of fully autonomous driving technologies
URL	https://tur.ing/en/

Website

R&B

<https://corporate.jp.canon/en/profile/rb>

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Inquiries

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