

PRESS RELEASE

Ubiquitous AI Announces Roadmap for SILS Tool to Strongly Support SDV Development

— Shortening and Streamlining Verification Periods for SDV and Autonomous Driving Software Built on In-Vehicle Ethernet —

Ubiquitous AI Corporation (Headquarters: Shinjuku, Tokyo; President & CEO: Yuta Oyoshi; hereinafter "Ubiquitous AI") today announced its development roadmap for "GSIL," a Software-in-the-Loop (SILS) software verification tool, targeting support for Software Defined Vehicles (SDV). This roadmap was formulated in response to the challenges faced in development sites, based on the recognition that, as the implementation of SDV and autonomous driving progresses in earnest, the very approach to in-vehicle software verification is changing. As a next-generation verification platform for in-vehicle software development, GSIL will achieve both improved quality and development efficiency in highly reliable systems such as autonomous driving, contributing to reductions in development time and cost.

■ Market Environment and Development Background

With the advancement of SDV, automobiles are undergoing a major shift from hardware-centric configurations to platforms whose functions are defined and updated by software. One of the foundational technologies supporting this change is in-vehicle Ethernet. As CASE trends and E/E architectures evolve, and as the shift toward configurations centered on zonal architectures and central gateways progresses, in-vehicle communication increasingly requires high-bandwidth, low-latency, IP-based communication, driving the expanding adoption of in-vehicle Ethernet in place of conventional bus-based communication.

At the same time, as vehicle operation premised on software updates becomes standard, the importance of in-vehicle software verification continues to grow. In particular, for distributed and centralized hybrid systems premised on in-vehicle Ethernet, ensuring quality through conventional hardware-based testing alone is difficult, making software simulation that can verify behavior—including communication—from the early stages of development essential.

■ Key Points of the Development Roadmap

1. Enhanced In-Vehicle Ethernet Support

Supporting next-generation architectures that demand high bandwidth and low latency, premised on the Ethernet communication being standardized for SDV.

2. Enhanced Comprehensive Automated Testing Capabilities

Automatically generating test cases that cover a wide range of communication conditions and abnormal scenarios, enabling efficient verification of the high reliability required for SDV.

3. Support for Linux Environments

Expanding use into Linux environments, which have high affinity with CI/CD, to streamline automated testing and advance development workflows.

■ Application to the Embedded Device Field

The virtual execution and automated testing capabilities of GSIL are also effective in the development of embedded devices such as industrial equipment and edge devices. Leveraging the results of technology development primarily focused on SDV support, Ubiquitous AI will expand its scope of application beyond the automotive field to embedded devices in general going forward.

GSIL product page: <https://www.ubiquitous-ai.com/en/products/gsil/>

■ Comment from Professor Hiroaki Takada, Graduate School of Informatics, Nagoya University, Chair of the Open SDV Initiative

To realize SDV at an early stage, it is essential to innovate software development styles in order to improve the efficiency of developing the rapidly increasing volume of software. We believe that a vehicle API is key to improving software development efficiency, and the Open SDV Initiative is working toward the major goal of establishing an industry-standard vehicle API. As a participant in the Open SDV Initiative, we expect Ubiquitous AI, with its long track record in the embedded software business and its strong technical capability to develop SILS tools in-house, to contribute to this innovation in software development style.

■ Webinar on July 29

We will hold a webinar explaining in-vehicle software verification in the SDV era. (only in Japanese)

Title	How Will ECU Verification Change in the SDV Era? — The Latest in Using SILS to Accelerate SDV Development —
Date & Time	Wednesday, July 29, 2026, 14:00–14:20 (Online webinar)
Host	Ubiquitous AI Corporation
Overview	As SDV becomes widespread, continuous software updates via OTA (Over The Air) are becoming standard. This means that the software installed on ECUs must undergo rigorous verification with every update. However, achieving both development speed and quality assurance is not easy with conventional hardware-centric development. This webinar will explain the software verification required in the SDV era, together with GSIL, for which Ubiquitous AI has just announced its roadmap.
Registration	https://www.ubiquitous-ai.com/webinar/accelerate-sdv-with-sils.html

■ Notice Regarding Future Plans

The future plans and outlook described in this press release are based on current concepts and may change or may not be realized due to technical factors, market trends, and other considerations. The content of this press release does not guarantee specific features or timing.

About Ubiquitous AI Corporation (Tokyo Stock Exchange: 3858)

Ubiquitous AI Corporation delivers advanced technologies and services that support customers in the manufacturing industry, building on decades of experience in embedded software development. With a strong foundation of leading-edge technologies and a global customer base, the company provides proprietary software products alongside related professional services. Ubiquitous AI is committed to the growth of its customers, business partners and society.

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Note to investors

This press release is intended to provide information about the qualitative progress of Ubiquitous AI Corporation's business activities and is not a solicitation for investment. For details regarding financial results, key performance indicators, or forecasts, please refer to our most recent earnings summaries and other disclosures published through the Tokyo Stock Exchange.

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