

Ubiquitous AI Corporation

Company

Introduction

2026.05

Agenda

Introduction

Overview

**Business Overview / Revenue Scale & Composition
/ Strengths / Track Record / News Topics**

Products

**Technology / Initiatives in Key Focus Areas
Quality Improvement & Security Products /
Services**

Appendix

**Market Overview / Mid-term Strategy &
Focus Areas / News**

Our Philosophy

All for wonderful life

Corporate Value



Established presence in embedded software
Long-standing expertise in security solutions

Customer Value

Customer

(Manufacturing Companies)

Cyber Security Area
(Post-Quantum Cryptography)

Software,
Everywhere

Social Value

User / Social

(Nations & People)

Ensuring national economic security
Safe and reliable communications

Invisible Tech,
Visible Change

Founded : May 7, 2001

Employees : Approx. 190 (consolidated)

Revenue : Approx. JPY 4.14 billion

Capital : Approx. JPY 1.48 billion

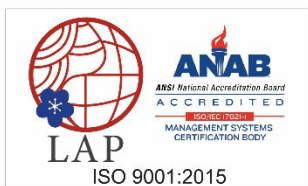
Stock Code : 3858(Standard Market)

Subsidiaries : GRAPE SYSTEMS INC. ・ Lightstone Corp.

Offices : Headquarters: Shinjuku, Tokyo/ Kosugi Office/ Osaka Sales Office/ Fukuoka R&D Center

ISO 9001 Certification*

*Contract Development only



025-0030-50

Listed in **METI Information Security Service Standards Compliance List**

Board Members

President & CEO

Yuta Oyoshi



Management	Research & Development	Marketing & Sales
IT & Digital	HR & Talent	Legal & Risk Management
Corporate Finance	Global Experience	

Executive Vice President & COO

Katsutoshi Furue



Management	Research & Development	Marketing & Sales
IT & Digital	HR & Talent	Legal & Risk Management
Corporate Finance	Global Experience	

Outside Director

Akio Tamehiro



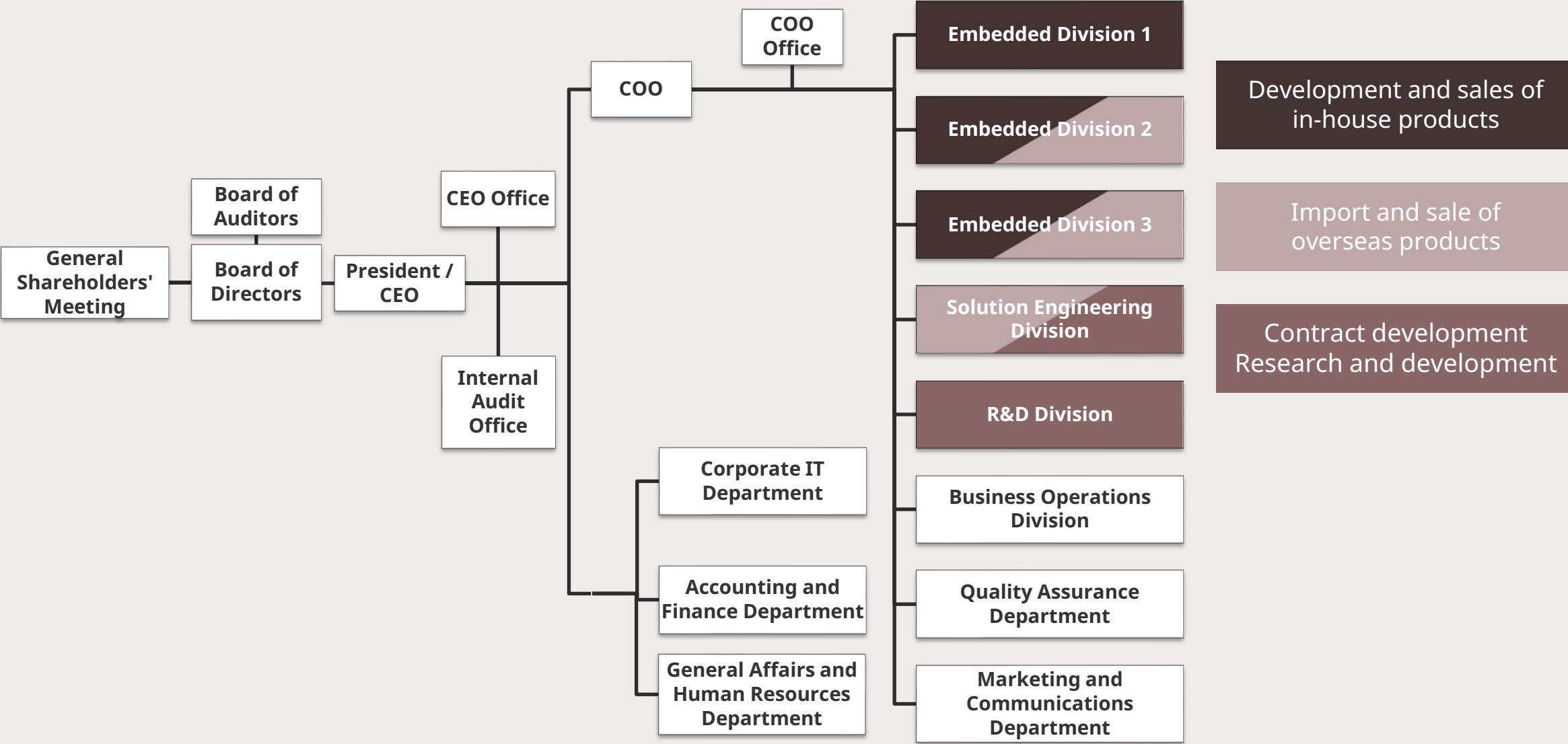
Management	Research & Development	Marketing & Sales
IT & Digital	HR & Talent	Legal & Risk Management
Corporate Finance	Global Experience	

Outside Director

Kaisuke Abe

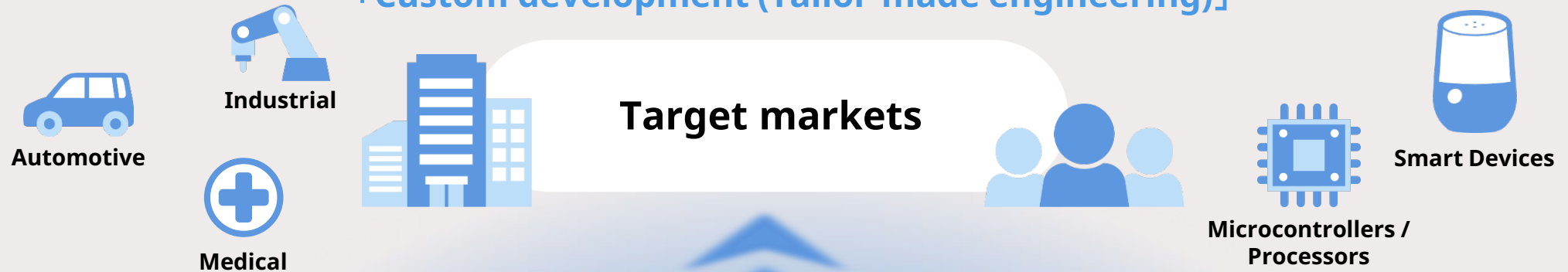


Management	Research & Development	Marketing & Sales
IT & Digital	HR & Talent	Legal & Risk Management
Corporate Finance	Global Experience	



We provide total software solutions through a portfolio of:

- 「Proprietary products (Manufacturer function)」
- 「Overseas products (Technology trading function)」
- 「Custom development (Tailor-made engineering)」



Breakdown of Consolidated Net Sales

Data Analytics

21%

Software Products

21%



▶ Customers

Over **1,000** Companies

Over **250** Companies / Year



▶ Projects

Over **200** Projects / Year

(300+ Projects per Year Across the Group)



▶ Patents

15 Patents Held

(Proprietary Products & R&D) Linux / Android Fast Boot Control Systems Communication Technologies Content Protection Device Management, etc.

Software Services

25%

Software Distribution

33%

FY2024
JPY **4.022**
billion

1

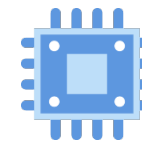
**Exploring
Technology**
Enabling world-first
innovations



Reduces Linux /
Android boot time to
1/20

2

Reliable
Proven in
the automotive
computing



Implements
post-quantum
cryptography on
microcontrollers

3

Ubiquitous
— works everywhere



One of the world's
smallest-class
TCP/IP protocol
stacks



World's first
commercialization of
Wi-Fi power ON/OFF
smart power taps

Total Units Shipped Over 100 Million



Car Navigation Systems / Display Audio Systems



Smart Devices



Wireless communication adapter



Security authentication devices



Power Plant System Monitoring Device
Satellite Attitude Control



Elevator Control



Broad development expertise: from IoT to automotive and social infrastructure

Communications, IoT, and LPWA-related technologies



- ✓ LPWA-related systems
- ✓ Software development for embedded devices
- ✓ SDK porting

In-vehicle and Embedded Media and Content Technologies



- ✓ Porting for in-vehicle and embedded devices
- ✓ Music-related systems, such as music distribution, search, and streaming
- ✓ Integration with smartphone apps

Systems for Government Agencies and Social Infrastructure



- ✓ Training equipment for the Japan Maritime Self-Defense Force
- ✓ Shipboard equipment
- ✓ Dams
- ✓ River control systems
- ✓ Traffic Wi-Fi systems

Data Analysis and Content Mining Technologies



- ✓ Text Mining
- ✓ Content Classification via Data Analysis
- ✓ Recommendation Systems

▶ **Implementation of Post-Quantum Cryptography on Low-Cost MCUs (2025/11)**

Accelerating the deployment of robust software solutions to meet 2030 quantum-secure standards

▶ **Structural Reforms & Long-Term Strategy Launched (2025/11)**

New Funding (10 Billion yen) and Strengthening of the Management Foundation

▶ **Value Enhancement in Cybersecurity Domain (2025/12)**

Promoting Collaboration in Cybersecurity Support Services through a New Partnership

▶ **Ubiquitous AI's Security Verification Service Certified by METI (2026/1)**

Highly reliable, third-party-validated services enable safer IoT product launches

▶ **Ubiquitous QuickBoot Exceeds 100 Million Units Shipped (2026/2)**

Expanding Adoption Across Automotive, Smart Devices, Industrial, and Medical Markets

Products

Comprehensive Solutions for Electronic & Electrical Device Development

Spec Development
Functional Analysis
System Design

Coding
Implementation

System
Verification
Write

System Layer Middleware Application

- Fast Boot for Linux/Android
- Real-time OS
- BIOS

- Connectivity
USB, SD, Wi-Fi, Bluetooth etc.
- Network Protocol Stack
- Security Library
TPM, Cryptographic Library, TLS/DTLS, DRM
- File System

- HMI
- Multimedia
- Network Management
- Device Lifecycle Management

Development Support / Quality Improvement Tools

- Fuzzing and penetration testing
- Static code analysis
- In-vehicle ECU software development
- ECU real-time simulation
- Multi-ECU timing verification

Service / Training

- IoT device security verification
- Development and implementation support
- Technical consulting
- Contract development
- Training for ECU control software developers



Software and tools for the development challenges of the SDV era

Code Quality & Development Support

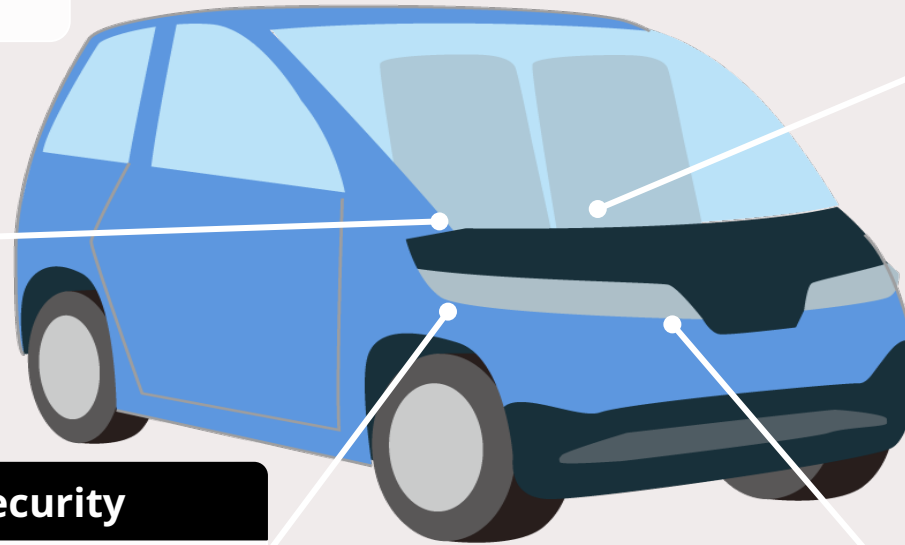
- Static Code Analysis Tool: "CodeSonaR"

Storage

- Power-Fail-Safe File System: "Reliance Nitro/FlashFX"
- SD/SDIO Drivers

In-Vehicle Network & Security

- Data Confidentiality & Tamper Resistance: "Ubiquitous Securus"
- TPM: "Ubiquitous TPM Security"
- MISRA-C / FIPS 140-3 Compliant Cryptographic Library: "HE-CRYPTO"
- OTA Client: "OMA-DM, LWM2M"
- TLS: "Ubiquitous TLS" / "HE-TLS"
- IPsec: "Ubiquitous Network Framework" / "HE-IPsec"



Infotainment

- Linux/Android Fast Boot: "Ubiquitous QuickBoot"
- Content Protection: "Ubiquitous DTCP/HDCP" / "Ubiquitous Securus"
- Smartphone Mirroring: "Ubiquitous Miracast / Mirroring SDK"
- Music Recognition & Metadata: "Gracenote CDDB Porting" / "YOMI / Alias"
- Wi-Fi: "Ubiquitous Wi-Fi SDK"
- Bluetooth: "BlueSDK"
- USB: "HE-USB"

ECU Development

- ECU Development Simulators: "GSIL" / "GTrainer"
- ECU Timing Verification Tool: "chronSUITE"
- Code Coverage Tool: "Testwell CTC++"
- ECU Variable Management Tool / Middleware: "Visu-IT!"
- Vulnerability & Security Testing Tools / Services: "beSTORM"
- Hypervisor: "SafeG"

Comprehensive support ranging from FA equipment, robotics, and IoT devices to DX in manufacturing

Network / Middleware

- Functional safety/MICRA C-compliant TCP/IP protocol stack: "HE-NET"
- SSL/TLS communication library for embedded systems: "μSSL TLS SDK" ※
- Bluetooth protocol stack: "BlueSDK"
- MODBUS protocol for embedded systems: "μMODBUS Toolkit" ※
- Building automation protocol: "BACstac/BACnet"
- High-quality GUI development environment for embedded systems: "PEG+"

Smart Energy / Smart Home

- ECHONET Lite-compatible middleware:
"Ubiquitous ECHONET Lite" "Matter – ECHONET Lite Bridge"

Data Analysis

- Data statistics and analysis software: "Stata" ※
- Graphing and data analysis software: "Origin" "MAXQDA" ※

OS-related

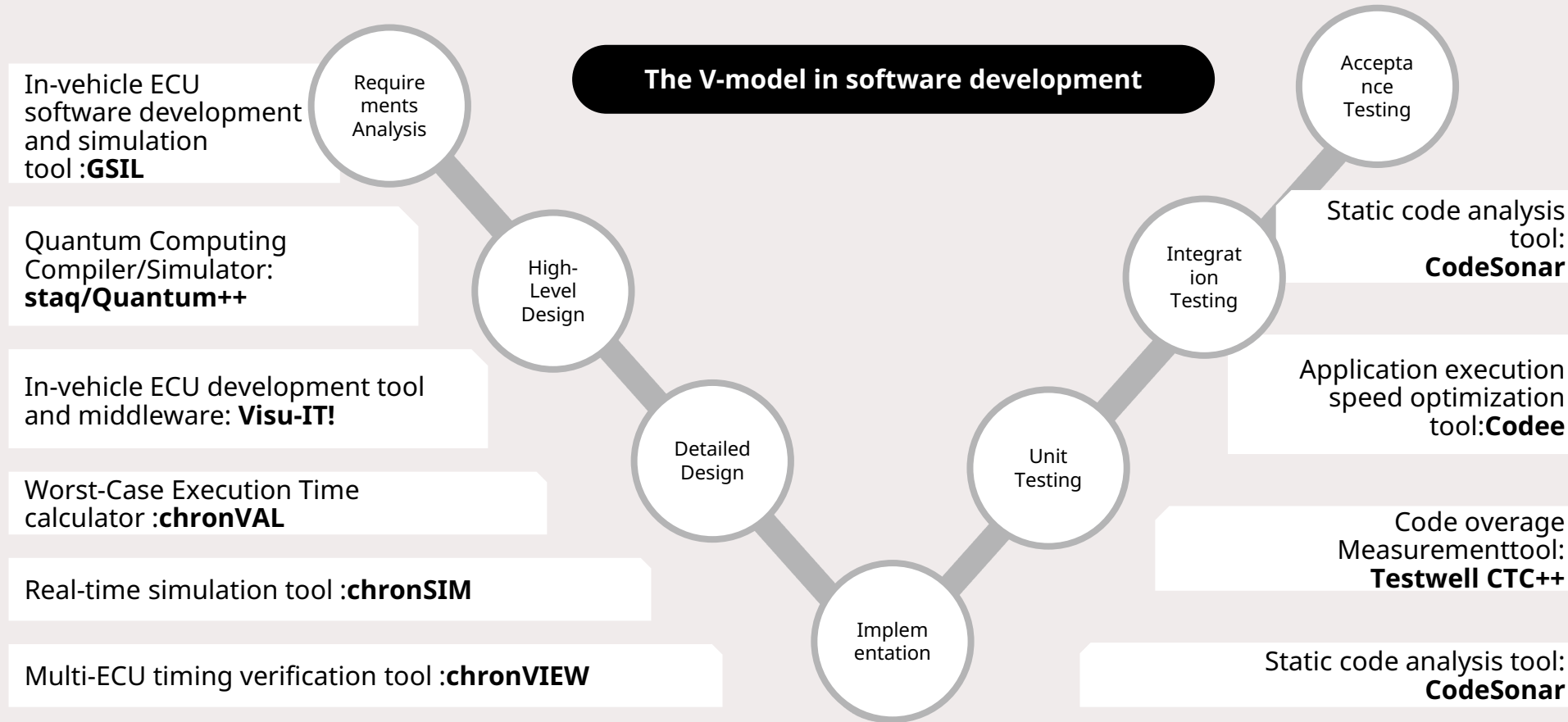
- Linux/Android Fast Boot: "Ubiquitous QuickBoot"
- High-performance, multi-core, 64-bit-compatible RTOS: "TOPPERS-Pro"
- All-in-one package for IoT: "Ubiquitous RTOS IoT Enabler"
- Real-time OS compliant with functional safety standards: "PX5" ※
- EFI/UEFI-compliant BIOS: "InsydeH2O"

Security / Improved Reliability

- IoT device security verification tools and services
- Static code analysis tool: "CodeSonar"
- TPM solution "Ubiquitous TPM Security"
- Confidential data protection and tamper-resistant solution
"Ubiquitous Securus"
- MISRA C-compliant cryptographic library "HE-CRYPTO"

※ Group Companies' Products and Services

Addressing Software Complexity and Security Challenges



Providing in-house and partner tools, as well as support, to enable “safe” and “high-quality ” software development

Ensuring security throughout the entire Lifecycle

Device Lifecycle Management

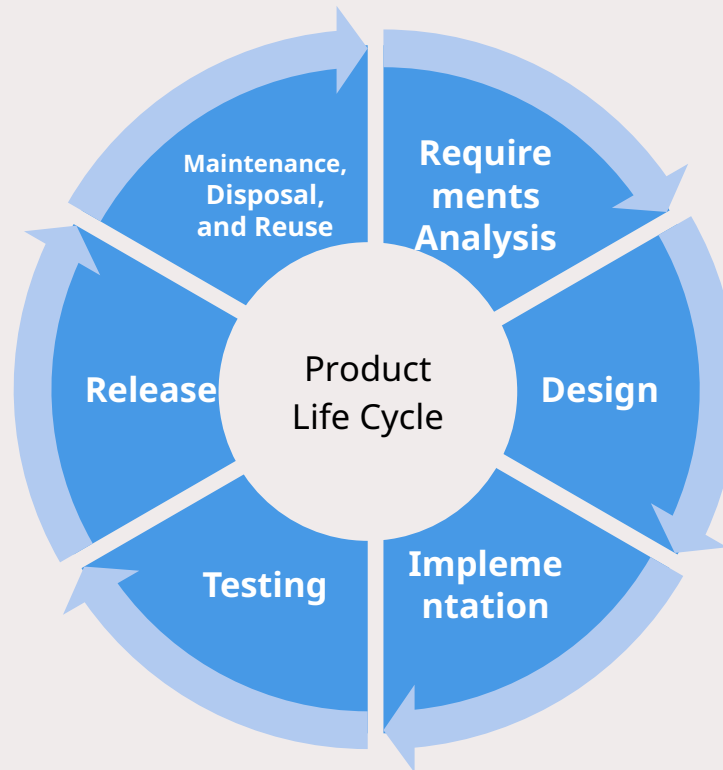
- ▶ Secure IoT Device Management Service

Vulnerability Testing of IoT Devices

- ▶ DAST
 - Fuzzing testing
 - Penetration testing
- ▶ Compliance with guidelines
- ▶ Verification Services (Third-Party Verification)

Software Quality Improvement & Vulnerability Testing

- ▶ SAST : Static code analysis, coding standard compliance



Security Consulting*

- ▶ Threat Analysis
- ▶ Compliance with Guidelines
- ▶ Cyber Resilience Measures

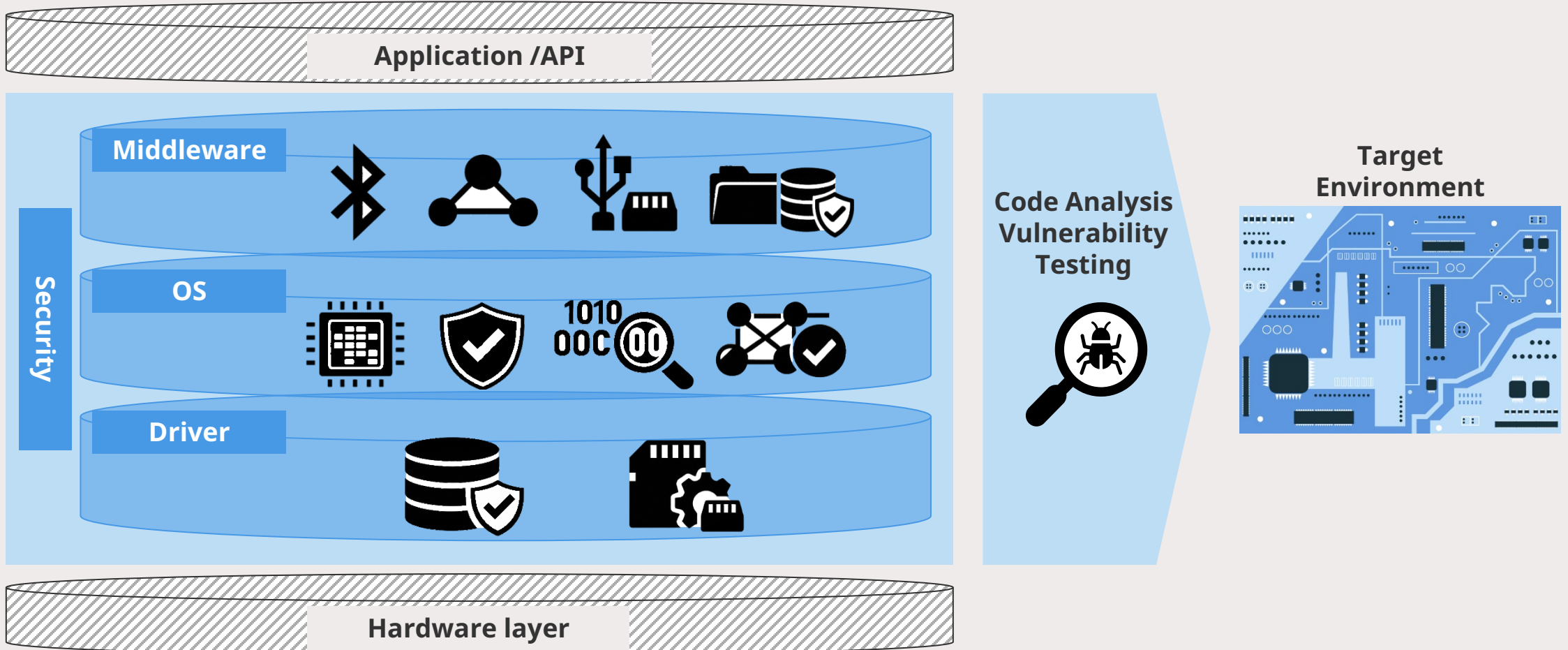
*Collaborate with consulting partners

Security-enabled middleware

- ▶ MISRA-C-compliant embedded cryptography library
- ▶ Software stack for TPM chips
- ▶ Tamper-resistant key management and confidential data/content protection solutions

One-Stop Support: Select × Build × Verify

Providing Optimized Configurations “Ready for the Target Environment”



Bringing the Latest World-Class Software to Japanese Manufacturers

Adding Value through Years of Expertise as a Technology Distributor and Technical Support

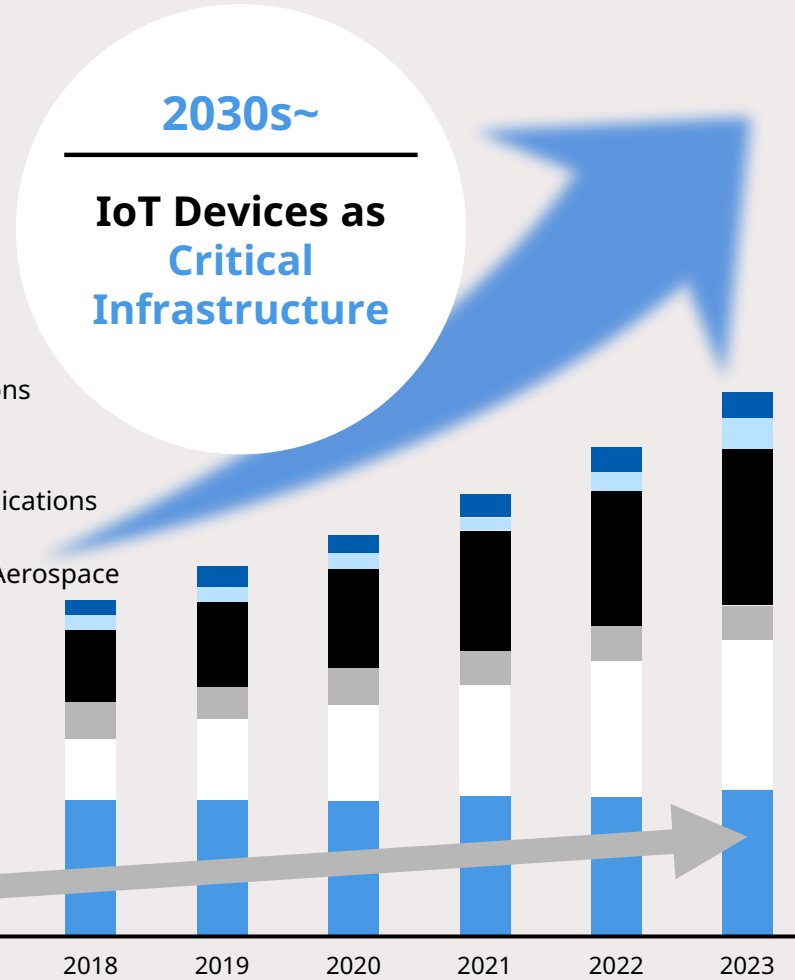
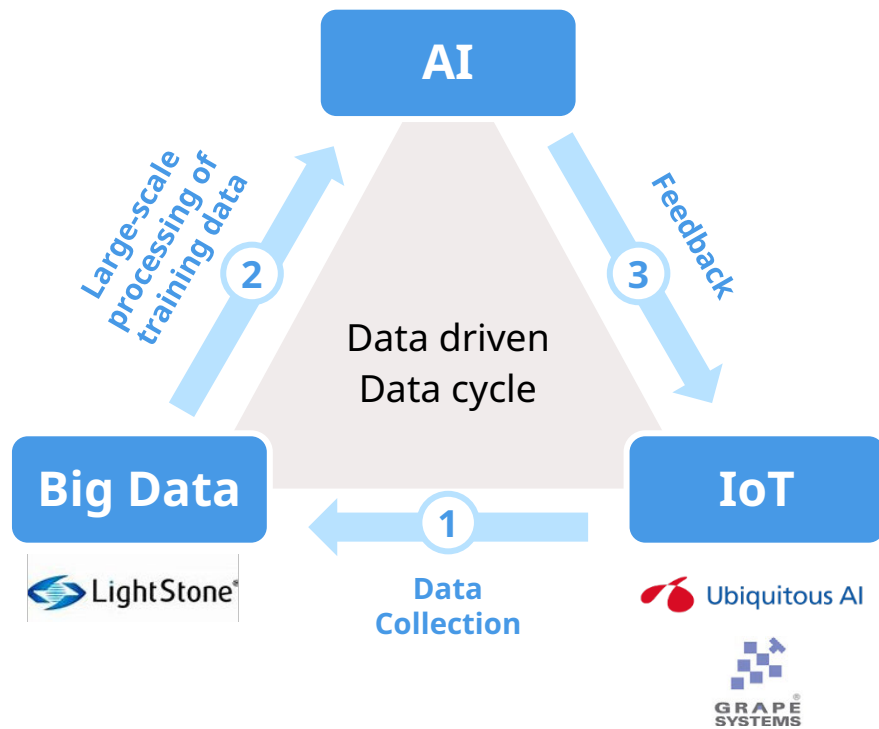


Appendix

As the cyber world expands, the number of connected **IoT devices** continues to grow, with advanced devices such as autonomous vehicles and robotics **becoming critical social infrastructure**.

Cyber Physical System (CPS)

Platform technologies for “**Cyber-Physical Systems**” are essential for realizing a super-smart society

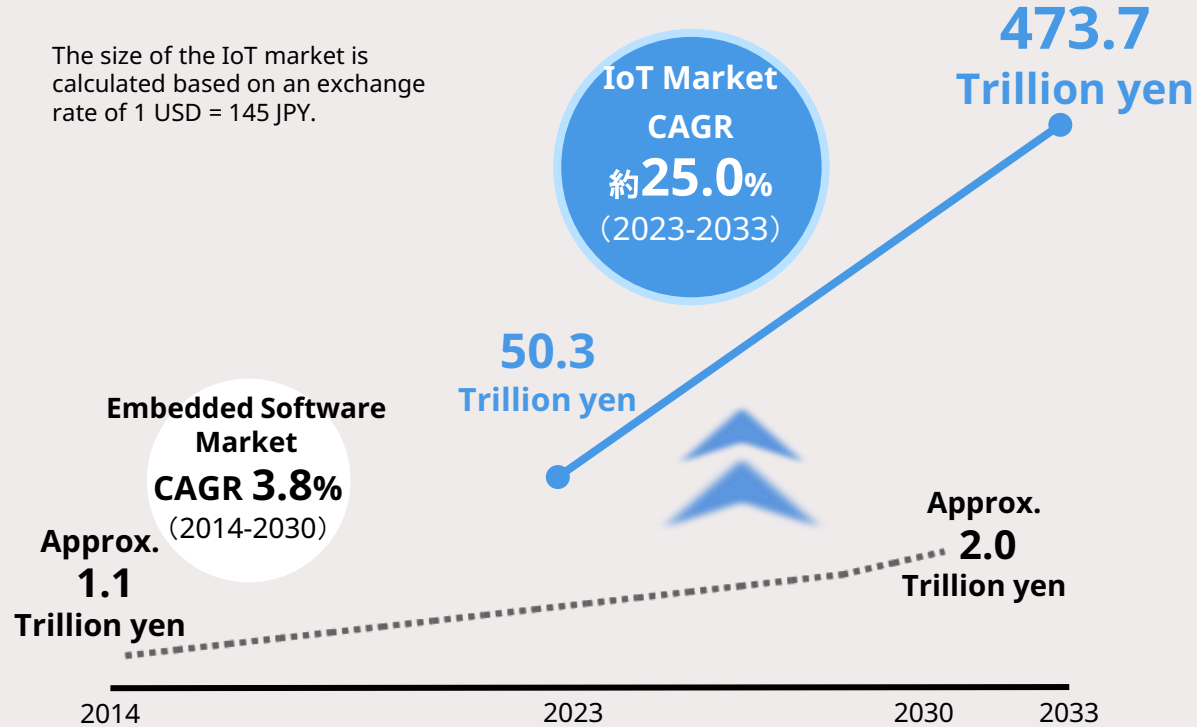


From Embedded Software to IoT — Shifting to Growth Areas

- ▶ From the **Embedded Software Market (CAGR 3.8%)** to the High-Growth **IoT Market (CAGR ~25%)**
- ▶ Starting with **IoT Security** Demand, Expanding Growth Businesses and Advancing CPS Development

Market Size Trends (Illustrative)

The size of the IoT market is calculated based on an exchange rate of 1 USD = 145 JPY.

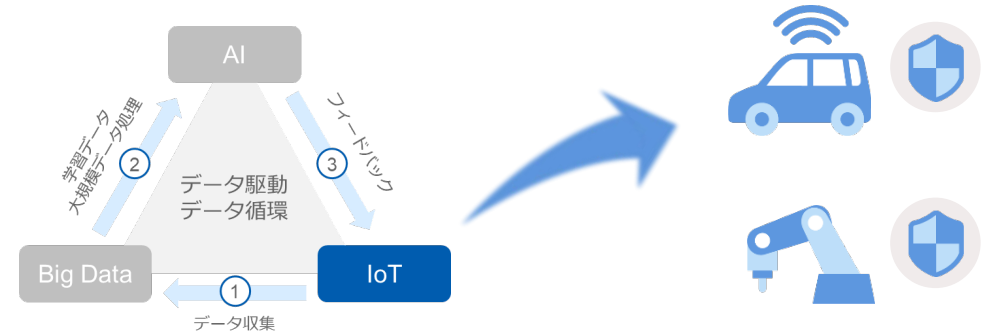


Ref: <https://www.sphericalinsights.jp/reports/internet-of-things-iot-market>

Initiatives

Short-term initiatives

Building Security into IoT Products



Medium- to Long-Term Initiatives

Accelerating AI and Big Data Initiatives to Expand CPS Capabilities

Implementation of Post-Quantum Cryptography on Low-Cost MCUs

Toward the Commercialization of Post-Quantum Cryptography Technologies

- Global migration is underway without waiting for practical quantum computers
- NIST recommends completing the transition by 2035
- The security lifetime of RSA-2048 is limited through December 31, 2030
- Urgent migration to new cryptographic schemes, including post-quantum cryptography, is required

Name of Standards	Standardization Phase	Algorithm Name	Application
FIPS 203 Module-Lattice-Based Key-Encapsulation Mechanism Standard	Released	ML-KEM	Key exchange
FIPS 204 Module-Lattice-Based Digital Signature Standard	Released	ML-DSA	Digital signature
FIPS 205 Stateless Hash-Based Digital Signature Standard	Released	SLH-DSA	Digital signature
FALCON	Underway	FN-DSA (TBD)	Digital signature
HQC	Underway	Undisclosed	Key exchange

PQC algorithms already standardized by NIST and currently undergoing standardization

Expectations for the Application of Our Technology

- The increasing threat of cyberattacks on IoT devices is driving an urgent transition to robust cryptography, including post-quantum cryptography
- In public systems, migration to new cryptographic technologies—including post-quantum cryptography for future national ID cards—is under consideration

- **We anticipate that many existing security platforms will transition to post-quantum cryptography**
- **We continue initiatives to deliver solutions that address future needs in IoT products**

Structural Reforms & Long-Term Strategy Launched

- 1 billion yen raised to strengthen our management foundation and accelerate priority initiatives under the new management policy
- Top management discussion on priority themes and future initiatives released

11/20/2025 Release: Completed Fundraising

Shareholder Newsletter Published

Mitsubishi UFJ Bank / Resona Bank

Raised a total of

1 billion yen *First-ever

Top Management Interview
“Initiatives Following the Transition to the New Management Structure and Mid- to Long-Term Growth Strategies”

Application in Key Focus Areas

- Active investment in the commercialization of PQC technologies
- Hiring to strengthen our cybersecurity product lineup
- Expansion of alliances with a view to the overseas rollout of the “QuickBoot®” fast-boot solution

Strengthening the Management Foundation

- Advancing PMI for two acquired subsidiaries and pursuing synergy realization
- Reforming the sales organization and strengthening sales capabilities
- Revamping the headquarters corporate functions responsible for group management



Available via the QR code below



WEB Shareholder Newsletter

<https://www.ubiquitous-ai.com/ir/business-report/2026half/>

Value Enhancement in Cybersecurity Domain

- **Business Partnership with IT Management Consulting Co., Ltd.**
- **Collaboration in cybersecurity support services**

Background of the Partnership

The **rise in cyberattacks** targeting the products and services offered by companies



Growing Demand for Advanced Security Measures for IoT Devices



ITMC

Consulting services including the design and establishment of security organizations, planning and implementation of security measures, and human resource development

 Ubiquitous AI

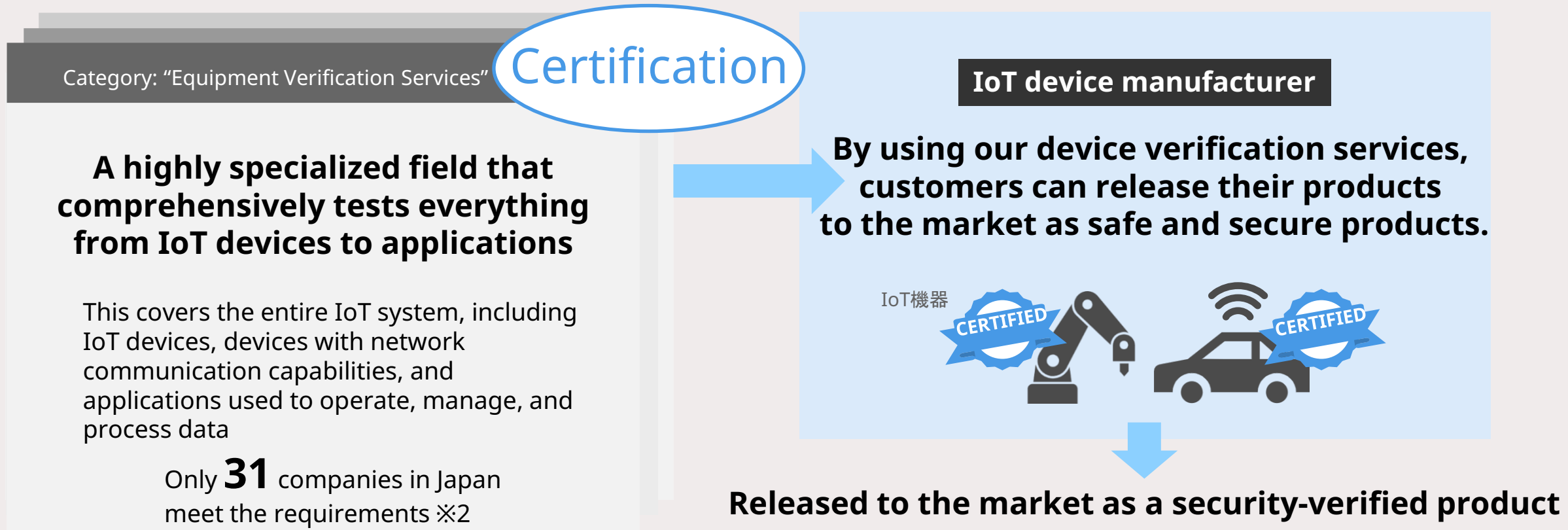
Secure design in product development and vulnerability verification

Expected Effects

Providing comprehensive cybersecurity support, from compliance with laws, standards, and guidelines to product vulnerability assessment and testing.

Ubiquitous AI's Security Verification Service Certified by METI

- The quality of our IoT device security verification service complies with the Ministry of Economy, Trade and Industry's "Information Security Service Standards*1"
- We have established a solid reputation in the field of IoT device security verification services, where demand is expected to grow further in the future



※1 Standards for service expertise and quality established by the Ministry of Economy, Trade and Industry (METI). These standards indicate that the information security services provided by a business operator are performed by technicians with specialized knowledge, and that a certain level of quality is maintained and improved. For details, please refer to the official METI website below:
<https://www.meti.go.jp/policy/netsecurity/shinsatouroku/touroku.html>

※2 As of December 2025

“Ubiquitous QuickBoot” Exceeds 100 Million Units Shipped

- Growth is being driven by rising shipments of electronic devices, and demand for fast boot times is expanding globally
- Resolving the issue of increased startup times caused by the growing scale and complexity of systems, and delivering a new user experience
- Expanding into new application areas and regions, including automotive, smart devices, industrial equipment, and medical devices





Ubiquitous AI