

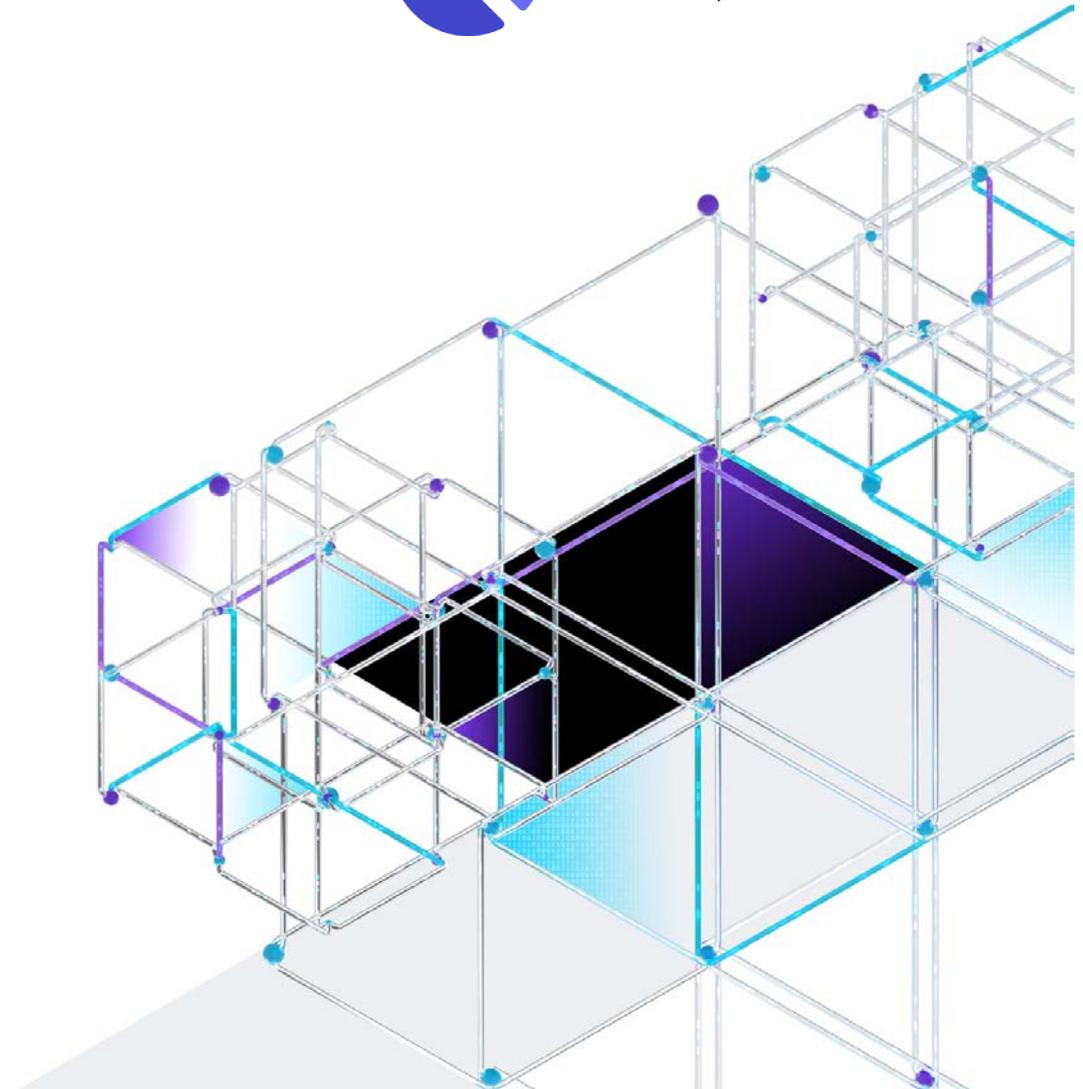
RENESAS 365

PRESS CONFERENCE
EMBEDDED WORLD 2026

MARCH 11, 2026



Renesas 365
Powered by Altium





AGENDA



Time	Topic	Spokesperson
11:30 – 11:35 CET	Part 1: Renesas Digitalization Journey	Mo Dogar VP, Embedded Processing
11:35 – 11:50 CET	Part 2: Today's announcement, Renesas 365	Hooman Foroughi VP of Application Engineering
11:50 – 12:05 CET	Live demo	Leigh Gawne VP of R&D and Digital Industries
12:05 – 12:20 CET	Q&A	

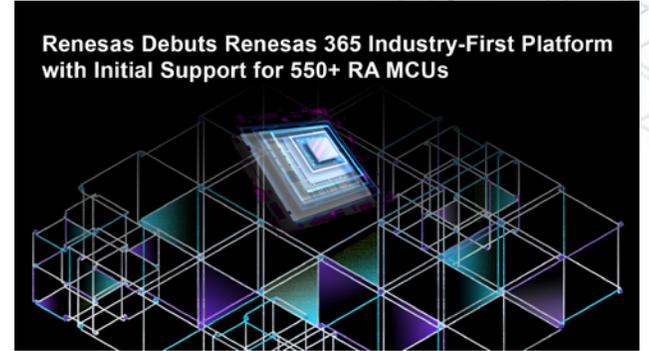
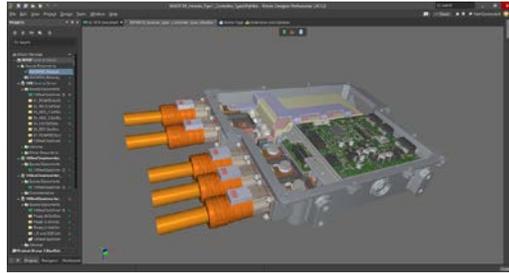


DIGITALIZATION VISION

**To make electronics design accessible to
a broader market to allow more innovation**

by creating an Electronics System Design & Lifecycle Management platform
together with **Altium**

RENESAS DIGITALIZATION JOURNEY



2024

2025

2026

Altium

Acquisition

RENESAS

Altium

Integrated Altium team into Software & Digitalization org led by Aram Mirkazemi

PartAnalytics

duro

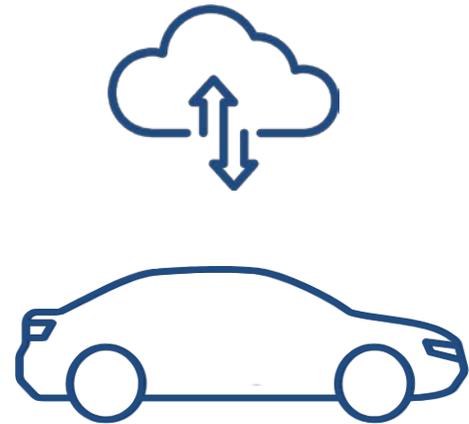
Acquisitions

Renesas 365, Powered by Altium concept preview at embedded world 2025

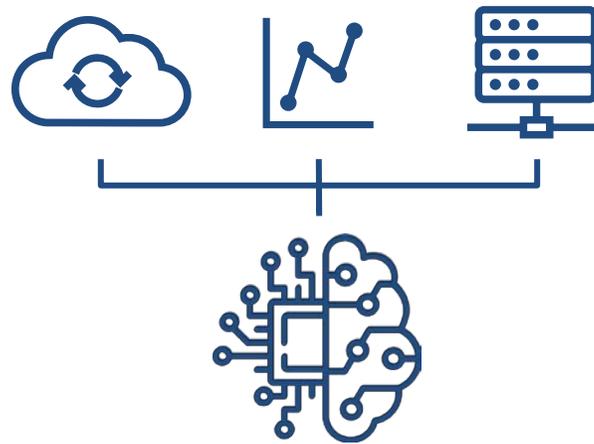
Renesas 365 general availability at embedded world 2026

Octopart Discover

SECULAR GROWTH



Software-Defined Vehicle



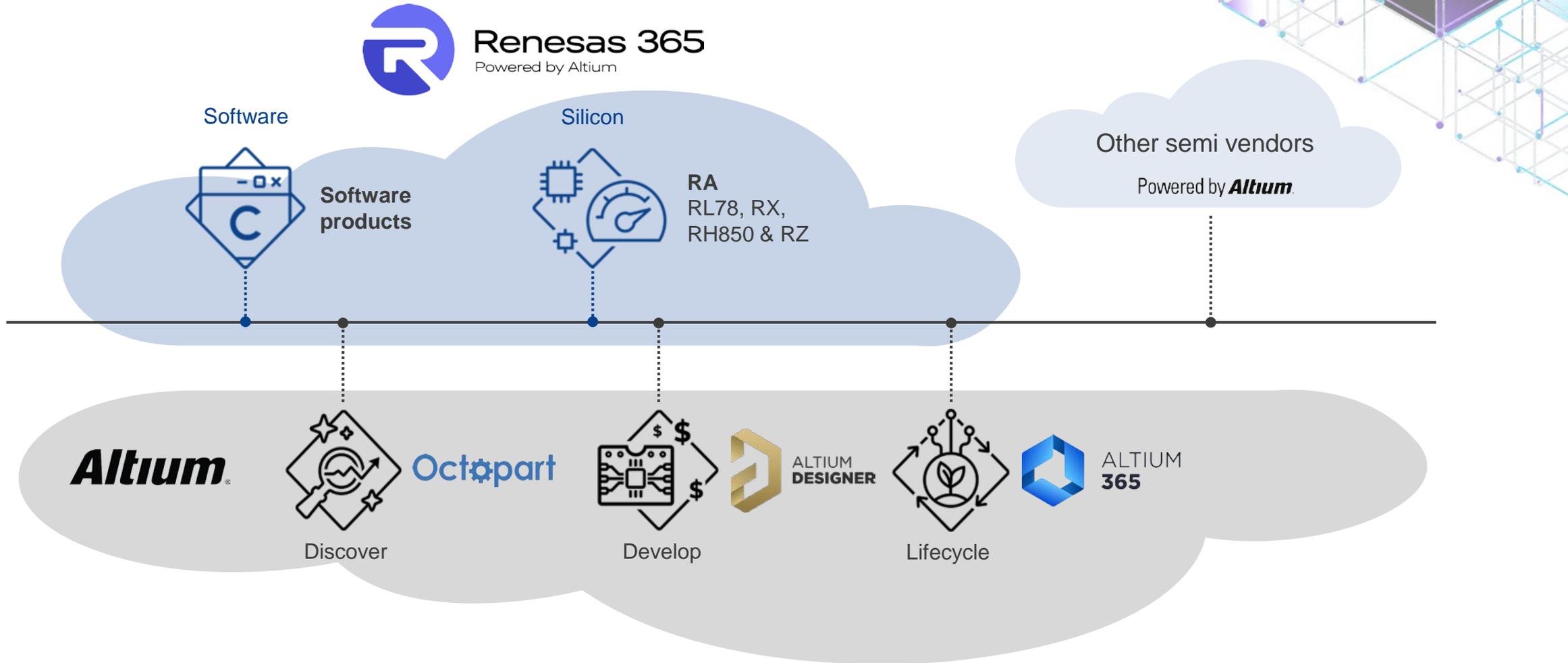
AI Infra & Compute



Intelligence at the Edge



THE PATH TO DIGITALIZATION



EMBEDDED SYSTEM DESIGN CHALLENGES



**Fragmented Workflows
& Isolated Teams**



**Slow / Inefficient
Component Selection**



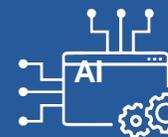
**Lack of Persistent
Digital Context**



Design Complexity



**Slow Prototyping
and Validation Cycles**



**Embedded Software
and AI Integration**



Time to Market



**Restricted Information
on Lifespan**





RENESAS 365 CONCEPT

INDUSTRY-FIRST OPEN INTELLIGENT EMBEDDED DEVELOPMENT
PLATFORM

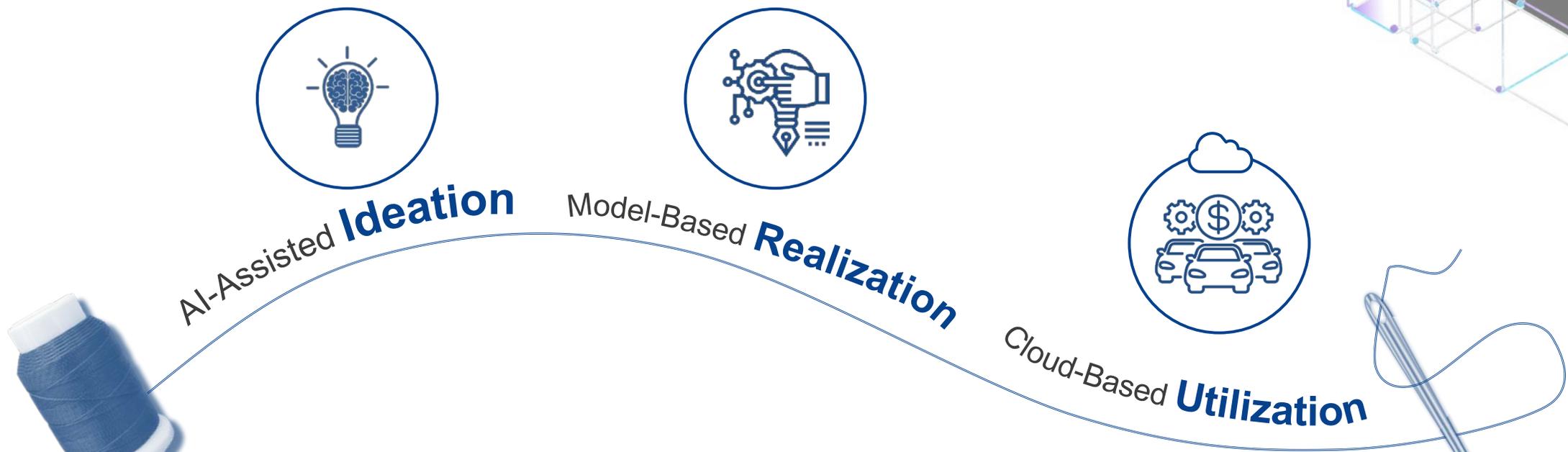


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RENEASAS 365 – THE CONCEPTUAL MODEL



System Intent

Intelligent Design

Seamless Component Selection

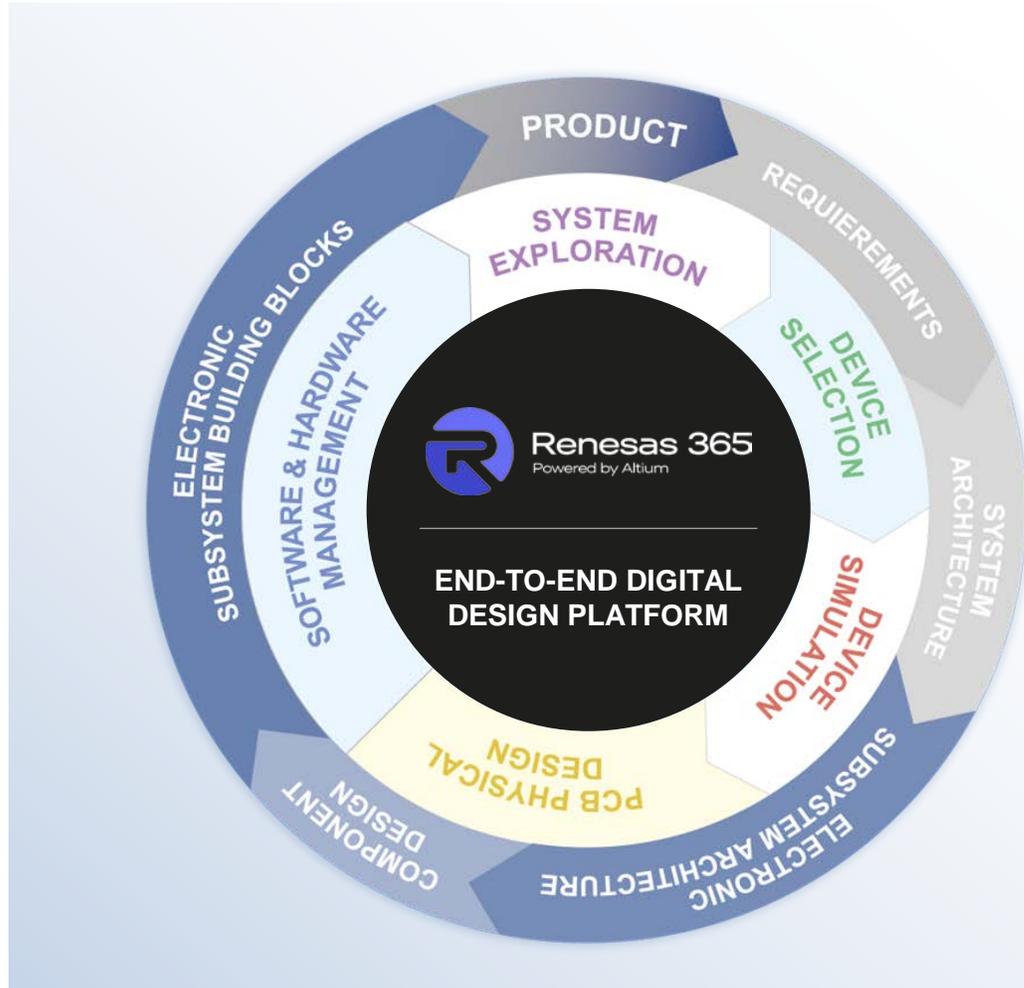
Integrated SW Development

Lifecycle Management

Seamless Solution Integration

Renesas 365 is a Continuous Digital Thread for Electronics Development

WHERE RENESAS 365 FITS IN THE DESIGN LIFECYCLE



Renesas 365 is the first embodiment of Renesas' Digitalization Vision

Industry-first open intelligent embedded development platform unifying

- Requirement Capture
- Model-Based System Design
- Contextual Component Exploration
- Native Device Lifecycle Management
- Early Concept Validation



TODAY'S ANNOUNCEMENT

LAUNCHING RENESAS 365 SILICON-TO-SYSTEM SOLUTION

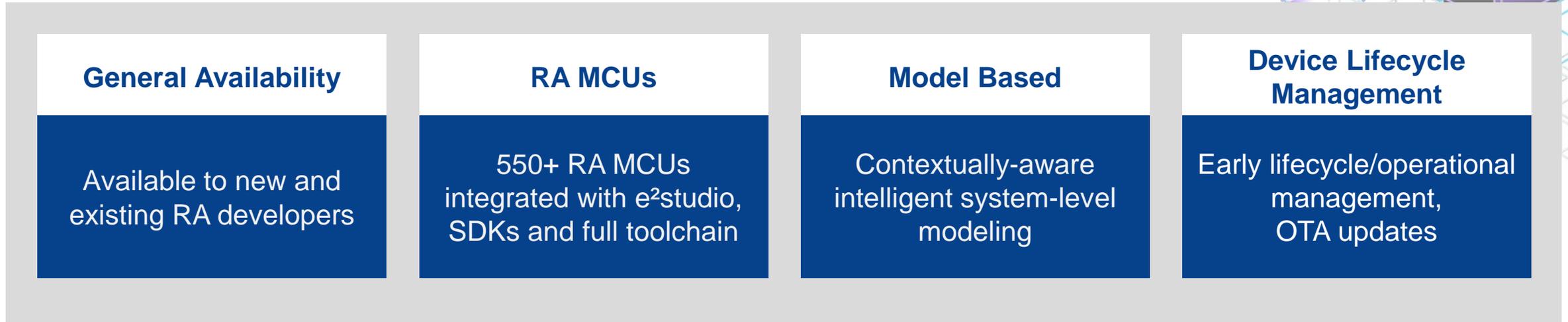


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WHAT'S NEW IN RENESAS 365?



Innovation



Open Cloud Platform



Operational Sustainability

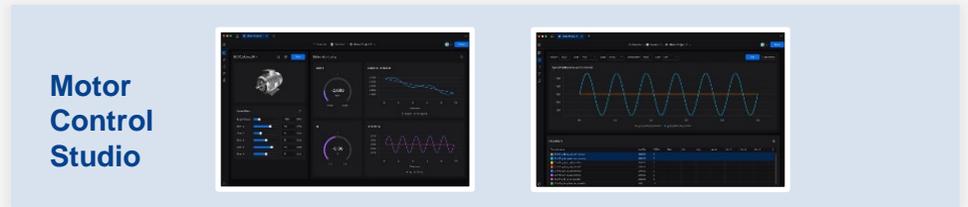


Software-Defined Products



FIRST RELEASE: RA MICROCONTROLLERS

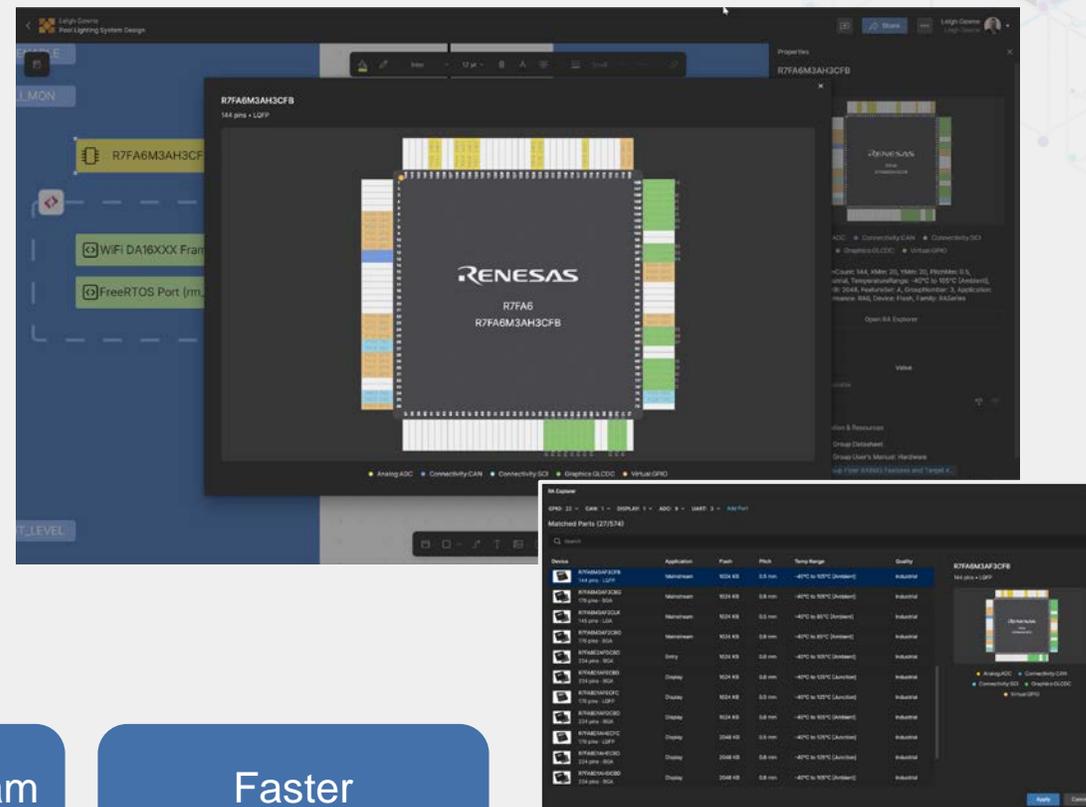
- Integrating **574 RA MCUs** - High-performance 32-bit MCUs with industry-leading performance, power efficiency, & robust security based on scalable Arm® architectures.
- **Tools Supported**
 - e²studio, VS code, web IDE
 - SDKs
 - FSP
- Includes **data sheets, application notes, embedded software files, schematics, PCB files**
- Initial application-specific optimization – Motor Control (Motor Control Studio, assisted tuning)



MODEL-BASED EVALUATION AND OPTIMIZATION

From Human-Driven to Intent-Driven Design

- Intelligent, model-based design environment guides MCU selection at system level
- Replaces manual datasheet filtering with guided, system-aware recommendations
- Optimizes MCU choice based on full system requirements, not individual specs



Shorter Evaluation Time

Accelerated Design Convergence

Less Downstream Rework

Faster Time to Market



DEVICE LIFECYCLE MANAGEMENT

Early Lifecycle/Operational Management
including OTA Updates

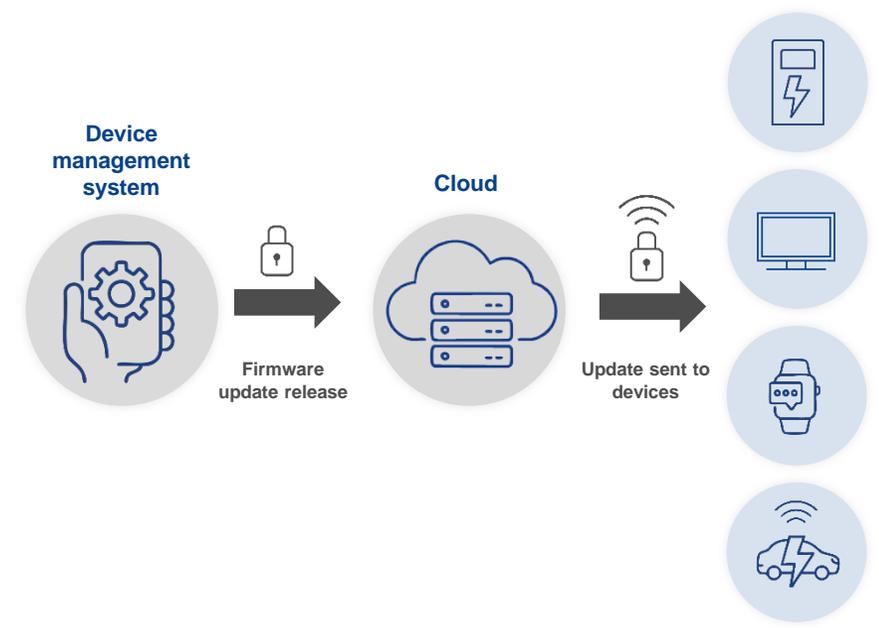
Licensed Technology
Integrated into Platform

Fleet Management Foundation

First Implementation on RA Devices

Early Software Deployment Management

Renesas 365 OTA Updates for IoT Devices



CUSTOMER EXPERIENCE: BEFORE & AFTER RENESAS 365

Before



Manual, sequential evaluation

High cognitive, upfront investment & effort

60 min / device
→ 574 devices
= **3 Months**

- Started from low-level parts, resulting in fragmented information and disconnected toolchains
- Manual system design using external diagram tools; documentation scattered across files
- Labor-intensive manual searches for datasheets and app notes with little context continuity
- Separate workflows for hardware, software, and AI, requiring manual synchronization



Renesas 365
Powered by Altium

State requirements
→ System finds options

Shift from “Can it work?”
to “Which is best?”

0 to 574 devices
in < **1 Minute**

-  Start from complete solutions (e.g., robot arm) via Solution Explorer
-  Centralized, digital system design with editable block diagrams and requirements
-  Context-aware documentation automatically linked to design elements
-  End-to-end workflow: system design scaffolds software, hardware, and AI projects
-  Cloud-based embedded IDE enables seamless HW/SW integration and faster bring-up

AVAILABILITY

The screenshot displays the Renesas 365 web interface. At the top left is the Renesas 365 logo with the tagline "Powered by Altium". To the right, there are "Vision" and "Get Started" buttons. The main content area features the heading "Renesas 365" and the sub-heading "Now Supporting the Renesas RA Family of Microcontrollers". Below this, a paragraph states: "Renesas 365 brings Renesas device discovery, system-aware MCU selection, hardware design, and embedded software development in one digitally-connected workflow." A "Get Started" button with a right-pointing arrow is positioned below the text. The central focus is a large image of a software application window titled "RobotCaricature". The window shows a dark-themed interface with a search bar at the top, a navigation menu on the left, and a main content area with a "Watch Overview" button and several data panels.

Renesas 365 is available to new and existing RA developers.

Visit: renesas.com/renesas365

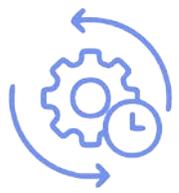


WHAT'S NEXT?

Expanding devices across Renesas MCU and MPU families



DevOps and device lifecycle management updates



More application-specific workflows (Motor control)



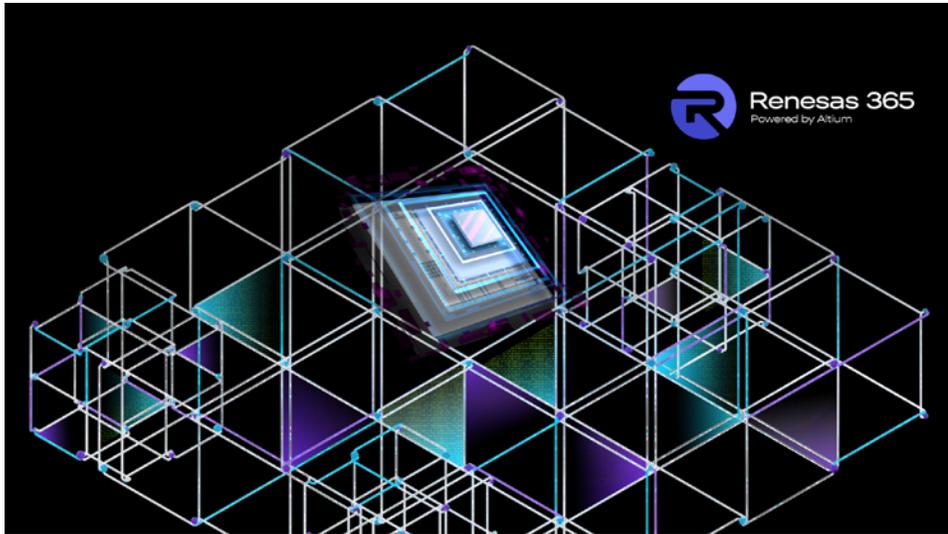
Partner solutions integrated into platform workflows



Subsystem building blocks managed and evolved on platform



KEY TAKEAWAYS



Renesas 365 is an industry-first open end-to-end development platform that connects silicon to system

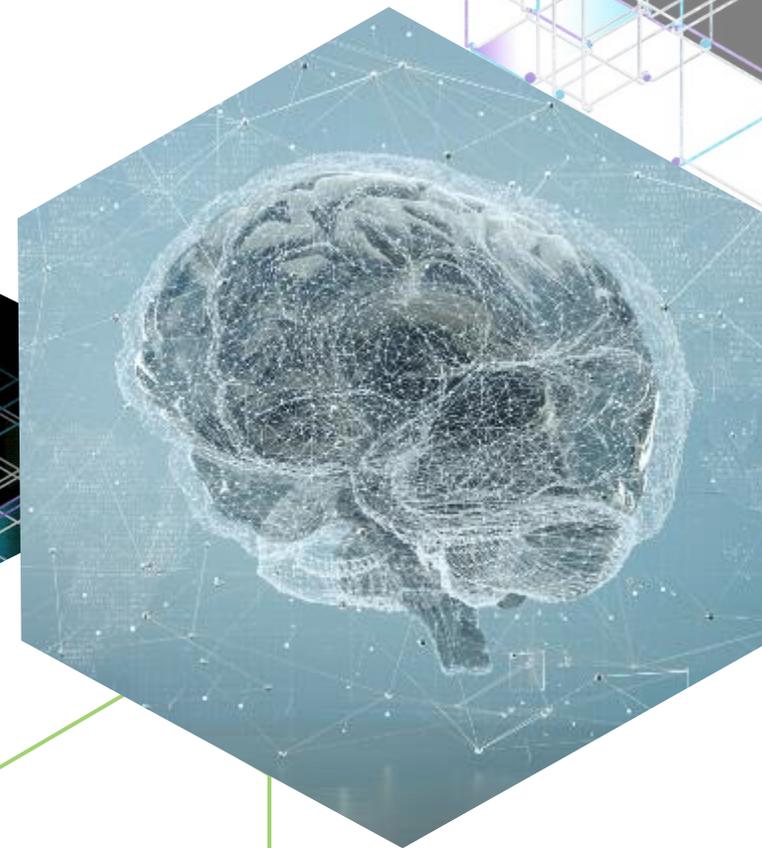
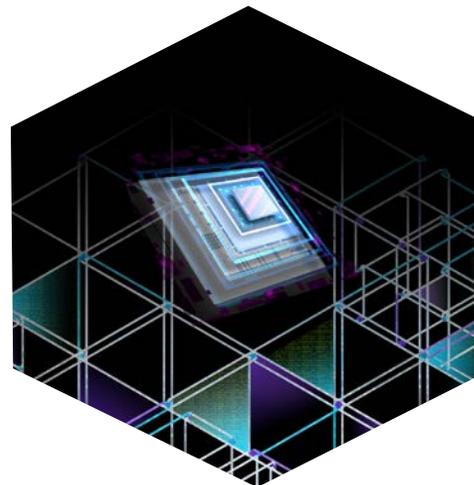
Software-first execution supporting our Digitalization Vision

Available to new and existing RA MCU developers

Evolving platform that grows with customer needs across full spectrum of devices, toolchain, lifecycle and ecosystem

THANK YOU FOR
ATTENDING OUR EVENT.

CONTACT
PR@RENEASAS.COM
FOR QUESTIONS.



[Renesas.com](https://www.renesas.com)