MICROEJ®

SOFTWARE-DEFINED EVERYTHING

VEE

Zephyr™

Zephyr™
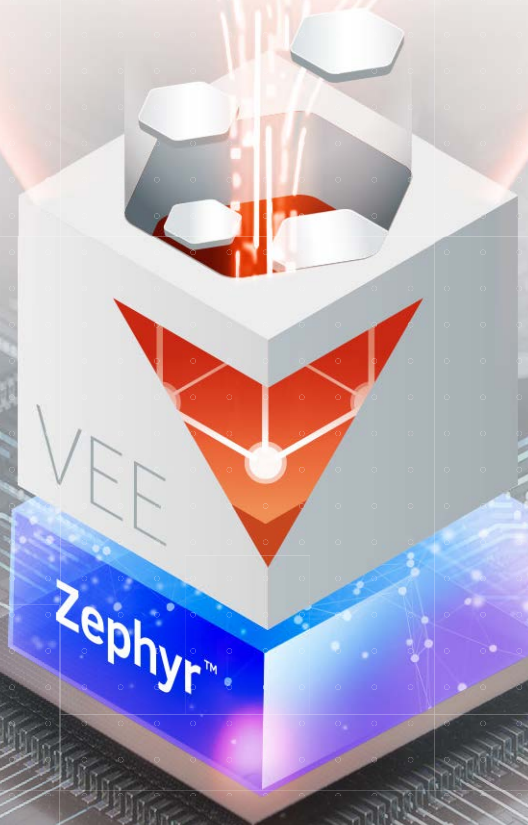
POWERING THE FUTURE
OF EMBEDDED SYSTEMS WITH
MICROEJ AND ZEPHYR RTOS

MicroEJ and Zephyr RTOS are joining forces to revolutionize embedded system development. As a Silver Member of the Zephyr Foundation, MicroEJ offers an an Application Platform with containerization, managed code, and sandboxing to Zephyr RTOS. MicroEJ enables manufacturers to build software-defined devices that are flexible, secure, and ready for app-driven ecosystems.

WHY CHOOSE MICROEJ + ZEPHYR?

ACCELERATED DEVELOPMENT:

Develop hardware, RTOS, applications and cloud in parallel, accelerating product launch up to z x2.
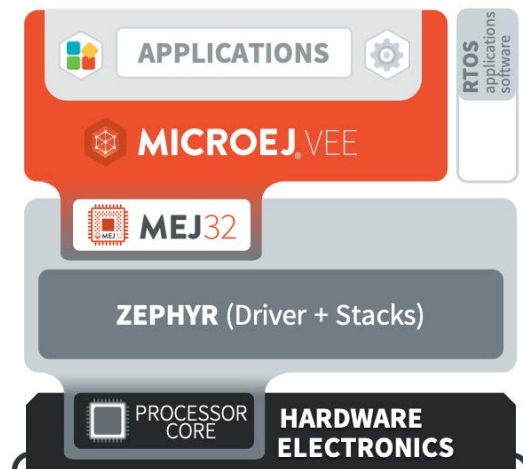
SECURITY & STABILITY

Sandbox applications to prevent system failures and ensure reliable operation.

NEW MONETIZATION OPPORTUNITIES

Build app ecosystems to generate recurring revenue and create new business models.

FUTURE-PROOF APPLICATIONS

Decouple software from hardware to allow for seamless upgrades and long-term adaptability.

MICROEJ x ZEPHYR SYNERGIES

TRUSTED TECHNOLOGY FOUNDATIONS

Both Zephyr RTOS and MicroEJ software containers are trusted by industry leaders in all IoT verticals.

ENERGY EFFICIENCY FOR CONSTRAINED DEVICES

Zephyr's real-time efficiency combined with MicroEJ's lightweight execution ensures ultra-low power consumption for battery-operated IoT devices

EXTENSIVE DEVELOPER ECOSYSTEM

In complement to Zephyr's extensive community support, MicroEJ leverage a broad pool of Java, Kotlin, and JavaScript developers to create new apps and use cases for embedded devices.
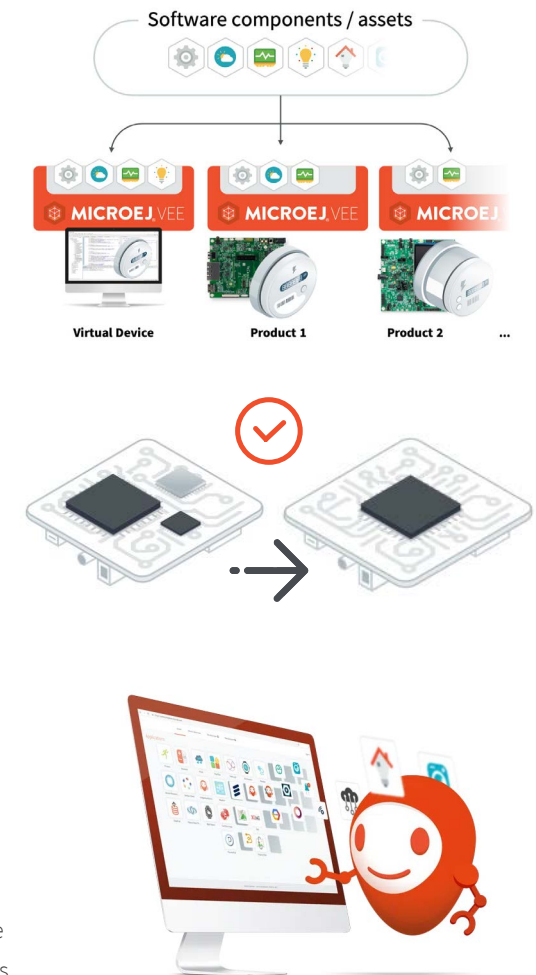
KEY ADVANTAGES

PORTABLE CODE

Easily design multiple product variants across different Zephyr-powered devices (over 750 platform supported!) with a virtual execution environment.

FUTURE-PROOF DEVICES

Applications and firmware can evolve separately, allowing long-term device adaptability, long-term user engagement and ongoing innovation.

FLEXIBLE UPDATES AND MONETIZATION

Devices can receive over-the-air updates and support third-party apps, creating new business opportunities through app stores and service-based monetization.
Examples range from application services like customization, measurement, preventive maintenance, and analytics to network services like provisioning, secure updates, and network analytics

GET CONNECTED
WITH MICROEJ AND ZEPHYR

MICROEJ®

► www.microej.com
► developer.microej.com

Zephyr™

► www.zephyrproject.org