Build Edge Software Like Cloud Software

One runtime for microcontrollers and edge systems — hardware-independent, self-organizing, and cloud-free by design.

Problem

Embedded and edge software development is unnecessarily complex. Unlike the cloud, there are no real standards. Developers must manually assemble messaging, data storage, orchestration, and failover before writing any business logic. Code is tightly coupled to hardware, hard to reuse, and brittle.

Solution

A unified runtime for MCUs and edge systems. Built on WebAssembly, developers write software once and run it everywhere — from Linux gateways to microcontrollers. Our "Cells" combine compute, state, and identity. Messaging, persistence, placement, and resilience are built in. In short: Kubernetes + database + messaging — engineered for the edge.

Key Benefits (USPs)

- True hardware independence: One binary for Linux and MCUs
- Autonomous failover: Self-organizing edge, no cloud required
- Local data sovereignty: Consistent, redundant on-prem storage
- Security & compliance: Lower effort for CRA and similar regulations
- Open source & enterprise: Open for innovation, ready for production

Open Source

MYRMIC
Run anywhere

Commercial Offering

EdgeVance

Sustainability

Less cloud traffic, lower energy consumption. Local processing, publish-by-exception patterns, and longer hardware lifecycles significantly reduce carbon footprint and operating costs.

About Peeriot

Peeriot is a deep-tech startup building the infrastructure for resilient autonomous systems — enabling the shift from cloud-dependent architectures to sustainable, autonomous edge networks.

www.peeriot.io
www.myrmic.org

Peeriot.