

Kudelski Labs Addresses Device Lifecycle Security, Edge AI, Post Quantum Cryptography and Regulatory Compliance at Embedded World 2026

Showcasing end-to-end, crypto-agile security for connected devices from chip to cloud, featuring live demonstrations of secure provisioning, lifecycle and edge protection, backed by strong semiconductor and ecosystem partnerships

CHESEAUX-SUR-LAUSANNE, Switzerland, and PHOENIX (AZ), USA—March 3, 2026—

Kudelski Labs, the innovation arm of the Kudelski Group, will showcase its latest security solutions with live demonstrations at embedded world 2026 in Hall 3A, Booth 3A-334, focusing on how semiconductor and device manufacturers can deploy secure and future-ready products at scale while meeting emerging regulatory requirements under the EU Cyber Resilience Act.

Kudelski Labs will demonstrate how security-by-design principles can be applied at the silicon firmware and system levels to protect long-lifecycle devices against evolving threats without compromising performance, time-to-market, or updateability. Demonstrations will highlight real-world approaches to device identity, lifecycle security, and resilience against both current and future attack models. What is more, as the EU Cyber Resilience Act raises the bar for connected product security, Kudelski Labs' work addresses a central industry challenge: how to translate regulatory intent into practical, scalable engineering decisions across embedded and edge systems.

"Embedded World is where the future of secure, intelligent devices takes shape and we're excited to showcase how Kudelski Labs is helping manufacturers build trust into their products from the silicon up," said Christophe Nicolas, Senior Vice President of Kudelski Labs and Kudelski Group CIO. "As embedded systems become more connected and the role of autonomous robotics operating at the edge becomes more commonplace, our mission is to provide the security foundation that accelerates innovation without compromise."

The Kudelski Labs booth experience at embedded world will include:

- **Edge AI:** In its European debut, KLARQ, Kudelski Labs' autonomous robotic platform, will showcase how security becomes the foundation for frontier AI technologies operating at the edge. This live demonstration features Kudelski Labs' AI-accelerated security stack integrated with Axelera AI's Metis AIPU, proving that next-generation autonomous systems — from industrial robots to intelligent infrastructure — can only achieve their potential when security is architected from the ground up, not bolted on after deployment. The exhibit demonstrates secure activation, real-time threat detection, and compliance-ready design in

a tangible use case that represents the future of physical AI: machines that make autonomous decisions in the real world, where security failures have real-world consequences.

- **Post-Quantum Cryptography:** Europe is leading the global transition to quantum-resistant security. The EU Cyber Resilience Act mandates that manufacturers assess and mitigate quantum computing risks for any product with cryptographic functions, while European regulatory bodies have set clear deadlines. Kudelski Labs' first-to-market semiconductor IP bundles NIST-standardized, quantum-resistant cryptography with secure enclave technology, enables manufacturers to build CRA-compliant, quantum-safe products today and meet regulatory requirements while protecting against a cryptographically relevant quantum computer that experts predict could emerge within this decade.
- **Compliance Fast-Track:** Kudelski Labs empowers product manufacturers to meet EU Cyber Resilience Act requirements through secure-by-design services, cloud-native trust infrastructure, and full product lifecycle compliance. Its keySTREAM SaaS solution for provisioning and OTA updates simplifies compliance, reduces risk, and accelerates time-to-market, helping OEMs deliver fully certified CE product without slowing innovation.

Kudelski Labs will be exhibiting at Embedded World 2026 in Hall 3A, Booth 3A-334. To book a meeting, click [here](#).

About Kudelski Labs

Kudelski Labs leverages the Kudelski Group's decades of experience in intelligent security to solve the world's most complex cyberthreat challenges at the intersection of connectivity and safety. Its mission is to secure the future— across land, air, space, and industry—through advanced research, real-world engineering, and global partnerships. Leveraging ISO/IEC 27001:2022 and OCP S.A.F.E. certifications, Kudelski Labs helps semiconductors and device manufacturers design new devices to ensure they are secure by design and quantum-resilient; accelerate time-to-market with pre-validated security components; build a differentiated trust story for retail and channel partners; and reduce post-launch risk with transparent, verifiable protection. To learn more about Kudelski Labs, visit www.kudelskilabs.com

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