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How IAR's embedded development platform supports your industrial automation project

Factory & Process Automation

TÜV-certified toolchains and deterministic control software for IEC 61508 that accelerate functional safety compliance.

Robotics & Motion Control

Optimized real-time control-loop performance with deterministic debugging and traceability,.

Power, Energy & Electrifications

Safety-driven power and electrification control through optimized code meeting IEC 61508 compliance.

Infrastructure Automation

Secure, maintainable systems with long-term architectural flexibility with secure boot and firmware signing.

Industrial Logistics & Asset Tracking

Reliable fleet-scale deployment with automated CI/CD workflows, secure and efficient software updates.

Industrial IoT & Smart Systems

Containerized builds and certified analysis for secure, scalable long-lifecycle IIoT systems.

Response time	Time-to-market	Engineering efficiency	Developer productivity
↑ ~30%	↓ 12 months	↓ 50%	↓ 80%
Execution performance	Validation time	CI/CD build time	Debugging time

Strong partner and ecosystem

RENESAS · ST · NXP · Infineon · Texas Instruments

Validated with leading industrial communication stacks: EtherCAT, PROFINET, OPC UA, CANopen and more.

Connect with an expert

