Xentara - Going Beyond Control

AI, cloud, and data technologies are evolving rapidly. Legacy control systems remain rigid and incompatible, based on complex hardware and outdated PLC technology. Xentara fills the critical gap between modern IT and traditional OT to overcome limitations and enable next-level productivity, quality, and sustainability.

Legacy

- ✗ Rigid, monolithic architectures
- ✗ Limited integration capabilities
- ✗ Vendor lock-in constraints
- ✗ Slow adaptation to new technologies
- ✗ Complex maintenance cycles
- ✗ Limited / partially outdated security
- ✗ High total cost of ownership

vs.

Xentara

- ✓ Modular architecture (skills & microservices)
- ✓ Open APIs and seamless connectivity
- ✓ Hardware, IDE and vendor agnostic
- ✓ Future proof for AI and IIoT
- ✓ Containerized deployment & updates
- ✓ Cybersecurity mesh architecture
- ✓ Affordable by design, software-defined

More Than A PLC Replacement

Software-Defined Control

Enable software-defined real-time control with modern paradigms, integrating smoothly with familiar IDEs. Support for IEC 61131, IEC 61499, and high-level programming languages like C++ and Rust.

Universal Connectivity

Connect existing machines and devices with modern IT systems seamlessly and securely. Process and enrich production data with semantics at the edge using our extensive protocol support and open I/O interfaces.

AI-Ready Analytics

Empower AI-based optimization and advanced analytics through our modular skill & extension system with native MCP and ONNX ML model support. Secure your system with modern role-based architectures.

Xentara

The Platform That Re-Defines Automation

Future Proof Architecture

Scalable and modular system ready for AI, IoT, and Industry 4.0 integration

Seamless IT/OT Integration

Open interfaces and microservices for large-scale semantic connections

Real-Time Precision

Microsecond / nanosecond performance for high-precision control applications

Maximum Flexibility

Hardware agnostic from embedded systems to edge computing to cloud

Secure by Design

Role-based cybersecurity mesh and containerization built-in from day one

Native Developer Power

C++ / Rust for controls, ONNX for ML, FMI models, and WebSocket integration

We Make Industrial Transformation Happen.

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