

BUILDING SOFTWARE

MONITOR

WEB-BASED HMI
FOR OPERATION AND CONTROL

Monitor is about making a reliable data foundation visible, understandable, and operable. For this, we use our web-based Human-Machine Interface (HMI) solution. It provides an intuitive and always-accessible interface for operating and managing your building systems and production environment.

The HMI solution translates complex data streams into clear visualizations. This allows you to monitor all relevant parameters in real-time, from energy consumption to system statuses, giving you full transparency over your entire system.

You are thus able to actively control processes, immediately identify anomalies, and make well-founded decisions.

FEATURES



- **High-Quality Data Acquisition** Industrial-grade data acquisition ensures data integrity and efficient management of large data volumes through automatic archiving.
- **AI-Ready:** Standardized data collection provides the foundation for processing by AI systems.
- **User Management:** Convenient setup and administration of user groups and their permissions (e.g., integration with Active Directory).
- **Operation:** Centralized, web-based control with a clear display of live data.
- **Alarm List:** Displays current alarms and error messages.
- **Change Log:** All adjustments to settings are recorded and available for analysis.
- **Compliance:** Meets strict security requirements such as NIS II, the Cyber Resilience Act, and the Digital Data Act, as well as ISO 50001 for energy management.

BENEFITS



- Centralized, web-based maintenance **saves considerable time.**
- **Cost reduction for storage/archiving** through flexible data management. Required storage capacities can be individually adjusted.

OUR SERVICES

- **Engineering:** Even before the building planning phase begins—where the potential to influence costs is greatest—we develop new, innovative approaches in production, logistics, and energy.
- **Funding Management:** During the building planning process, we evaluate potential funding opportunities and handle the entire funding application process, from submission to final settlement.
- **Integrated Engineering:** To ensure our innovative goals are met, we coordinate the various technical specialist planners and define the necessary functions.
- **Building Automation:** It controls and analyzes all technical building systems and communicates with energy generation units, production plants, and intralogistics systems. This leverages synergies between the building and production, blurring the lines between manufacturing and the facility itself.
- **First-Year Operational Support:** After commissioning, we harmonize the overall system, integrating both the building and production operations.
- **Support:** Reliable assistance from our experts.
- **Lifecycle Management:** Based on a multitude of automatically collected data, we regularly analyze our customers' energy consumption, user behavior, and production processes. We optimize energy requirements and production conditions for performance efficiency and product quality, and we analyze system reserves for future production expansions and modifications.
- **Sustainability and Legal Obligations:** Preparation of Scope 1-3 reports and execution of energy audits, support with ISO, VSME implementation, and EU Taxonomy compliance.



STIWA BUILDING SOLUTIONS

With our experience in mechanical engineering and our approach of understanding **a building as a machine**, we master all challenges and interface issues between people, machines, and the building. We identify, analyze, and optimize your environment, allowing you to concentrate on your production.

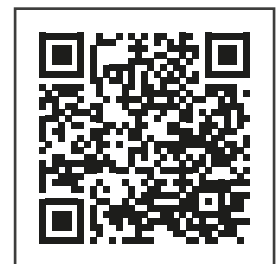
Whether for new builds or existing facilities—with our software and services, we create tailor-made solutions in building automation for both greenfield and brownfield projects. By integrating your machinery, **we ensure a demand-driven supply for all systems.**

CONTACT



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