

BUILDING SOFTWARE

CONNECT

DATA INTEGRATION OF
EXISTING SYSTEMS

The foundation for intelligent building automation is laid with comprehensive and stable data connectivity. Connect therefore focuses on the precise capture and integration of all relevant data from the building and production environment. It is irrelevant whether this involves measured values from energy, temperature, or pressure sensors, or information from third-party systems (e.g., ventilation or heating units).

STIWA Building Software ensures the seamless integration and aggregation of all this data. By overcoming complex interfaces, a reliable, centralized data foundation is created, which is essential for subsequent steps such as monitoring, analysis, and optimization.

FEATURES



- **Integration of External Devices and Controls:** External devices (e.g., electricity meters) and systems (e.g., ventilation or heating/cooling units) can be directly integrated via our interfaces (e.g., ModBus TCP, Siemens, OPC-UA, etc.).
- **Data Extraction from Control Systems:** Existing control systems (e.g., central building management systems) without data recording capabilities can be connected.
- **Central System:** Integration of all data for centralized operation and analysis.
- **Bidirectional Communication:** Data exchange is possible in both directions, which enables the operation of third-party systems.

BENEFITS



- Digitizing existing sensors and systems **saves investment in hardware.**
- **Centralized analysis and control** for all connected systems.

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.

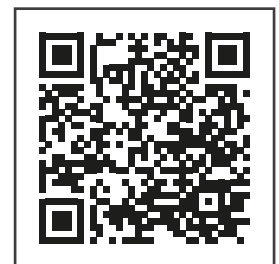
Whether for new builds or existing facilities—with our software and services, we create tailor-made solutions in building automation for both greenfield and brownfield projects. By integrating your machinery, **we ensure a demand-driven supply for all systems.**

CONTACT



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