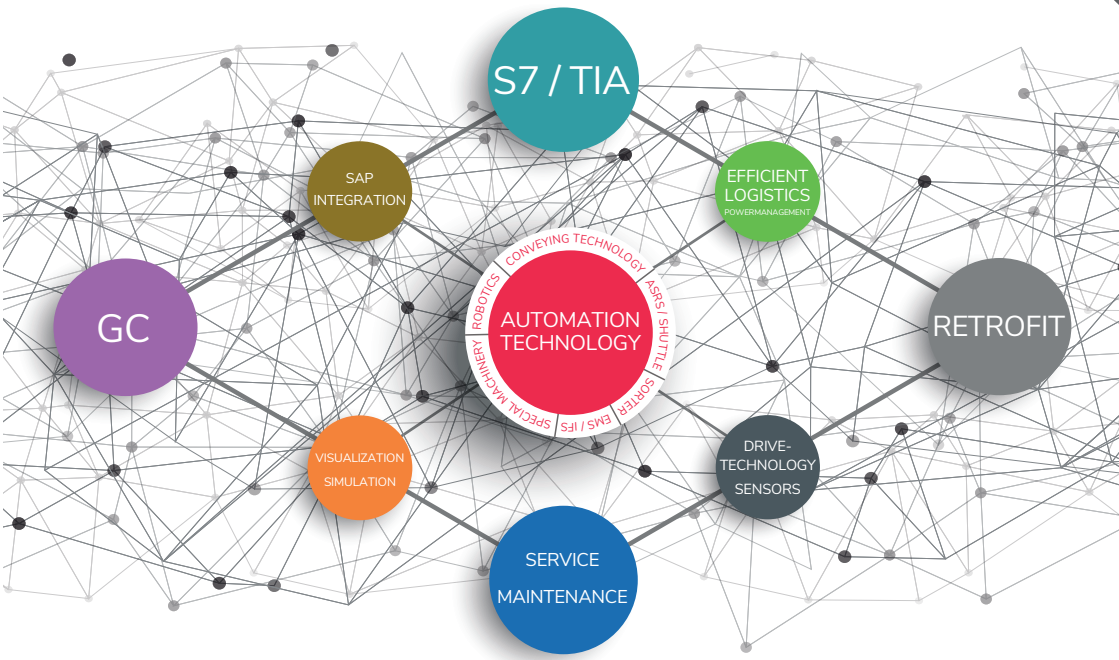
SITLOG

CONTROL AND INFORMATION TECHNOLOGY FOR LOGISTICS



AUTOMATION TECHNOLOGY FOR INTRALOGISTICS

SITLog automation technology

Our success is based on the consistent use of fully-developed and long-term available control components supplemented by a constant open-mindedness for technical innovation and new approaches.
The basis for implementing your demands on contemporary intralogistics is grounded on the focus on key components S7 / TIA, trend-setting visualization and plant simulation technology, and last but not least the irreplaceable know-how of our employees.

S7 / TIA

CONTROL &
DRIVE TECHNOLOGY

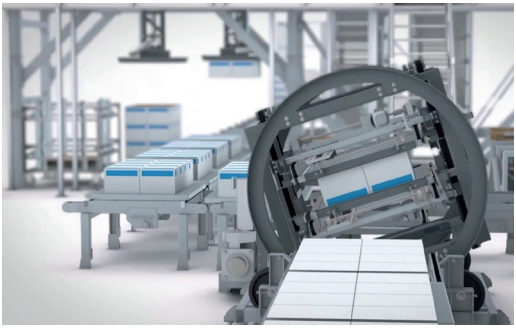
Range of systems

- Container and tray conveying technology
- Carton conveying technology
- Pallet and combined conveying technology
- Special machines / handling devices
- Robots
- Stacker cranes for high bay or miniload warehouses
- Shuttle systems
- Electric monorail / in-floor systems

Control / drive technology / sensors

ROBOTICS

- Consistent use of high quality components from well-known, market-established manufacturers
- Decentralized control systems using Profinet, Profibus, AS-i
- Standardized composition of control hardware
- Standardized base structure of control software with open interfaces for adapting to special system parameters
- Optimized curve calculation on PLC level with controlled axes
- Latest safety technology (fail-safe CPU, sensorless muting etc.), based on risk analysis and created with newest evaluation software



Visualization and simulation

With a visualization based on WinCC the availability and performance of systems can be substainably improved by quick detecting and solving problems.
Visualization is the basis for a fast and uncomplicated service and hotline process.

VISUALIZATION
SIMULATION

- High degree of details with fast access to contents of telegrams and interfaces, target tracking data, system parameters etc.
- Modules such as computation of availability and material throughput emphasize our high standards in this sector
- Open structure
- Additional facilities on-site or MFC overviews can easily be integrated
- Extensive statistics functions (faults, scanner and reading statistics etc.)
- All systems are tested in-house as part of simulation applications during project planning or after completion of programming regarding functionality and strategies

Efficient logistics

Energy consumption of a plant is a major cost factor.
Various components being continuously developed and improved help to increase efficiency. The framework includes:

EFFICIENT
LOGISTICS
POWERMANAGEMENT

- Energy recovery concepts
- Power management of device network
- Intelligent strategy for partional shutdown in idle state
- Dynamic power adjustment for conveyor systems as well as for storage and retrieval systems
- Smart control strategies
- Selecting energyefficient components

SAP connectivity

Homogeneous system landscapes, avoidance of interfaces and low-rise hierarchies make complex systems efficient and safe.
This is not the only reason why SAP is established on host or ERP level.
The modules SAP EWM and SAP LES / TRM allow a direct connection on control level.
SITLog has the necessary competencies concerning interfaces and extensive project experience for direct communication with SAP.

SAP
INTEGRATION

Warehouse modernisation / retrofit

A large number of successfully implemented retrofit projects results in irreplaceable experience, expertise and competency. Benefit from an increase in plant availability and performance, reduction of interferences and an increase of the service level. By using the latest technology the long-term availability of spare parts is further guaranteed.

RETROFIT

Following questions may arise prior to an upcoming modernization:

- Considering efficiency, how profound must a modernization be performed?
- What performance gain could be possibly achieved?
- How can new technologies be optimally integrated into existing ones?
- Which system components should / must be replaced due to discontinuation or a lack of spare parts availability?
- How can availability be increased?
- Which migration concepts are possible regarding operational workflows?

SITLog answers these questions and leads the modernisation of conveyor systems, stacker cranes, electric railways etc. in intralogistic systems in the areas of control, hardware and software.
SITLOG is a sustainable partner through high flexibility relating to the connection of existing material flow and warehouse management computers.

Visit us on www.lagermodernisierung.de

SITLOG
EFFICIENT LOGISTICS

MOBILE APP

SITLog Mobile App

- Push messages on occurring faults, messages or notes
- Direct access to installed cameras (e.g. stacker cranes)
- Identification of and information on any storage or transport unit by integrated barcode scanner
- Manuals / documentation
- PhotoDoc
- Available for Android and iOS

SERVICE MAINTENANCE

Service / maintenance / spare parts

- Available 365 days a year, 24 hours a day
- Guaranteed response times
- Support by project experienced and highly qualified technicians
- Centralized ticket system
- Notification, statistics and evaluation functions
- Efficient management of spare parts

Core competencies of SITLog

+ General contractor management
+ Control / automation technology
+ Warehouse management computer (SITLog WMC)
+ Material flow computer (SITLog MFC)
+ System visualization
+ Service / maintenance / spare parts

SITLog focuses on these technology plattforms

+ Siemens S7 / TIA
+ Siemens Sinamics drive and control technology
+ Profinet / Profibus / AS-interface-Bus
+ EPLAN P8 / eVIEW
+ WinCC
+ Java
+ MS SQL-Server / Oracle
+ Microsoft Windows / Linux as an operating system

Since its founding in 2000 SITLog GmbH has been implementing new construction and modernization projects in intralogistics acting as system integrator of individual systems and components up to complete solutions as general contractor. SITLog is an owner-managed family business with decades of experience in this business. Experienced project managers able to make decisions and highly qualified employees ensure smooth and efficient conception, execution and realization of projects. A flat hierarchy allows SITLog to quickly and individually implement customer specific requests.

Excerpt of references

blum · Wallstabe & Schneider · KOLB GROUP · MIGROS · Bedford Delikat essen · BOSCH · GEBERIT · kronospan · SIEMENS · packit! · Witt-Gruppe · Lufthansa Technik Logistik Services · Höffner · RUPP · südwollgroup · Continental · KRONES · dm · VORWERK · KUKA · bürkert FLUID CONTROL SYSTEMS · Hermes · ARaymond · SIEMENS Healthineers · Jack Wolfskin · ZF · BASF · OTLG · Müller M · MAN

SITLog GmbH - Control and information technology for logistics

Zum Nachtbühl 1 · D-92665 Altenstadt an der Waldnaab

+49 9602 944 90 - 0

info@sitlog.de

www.sitlog.de