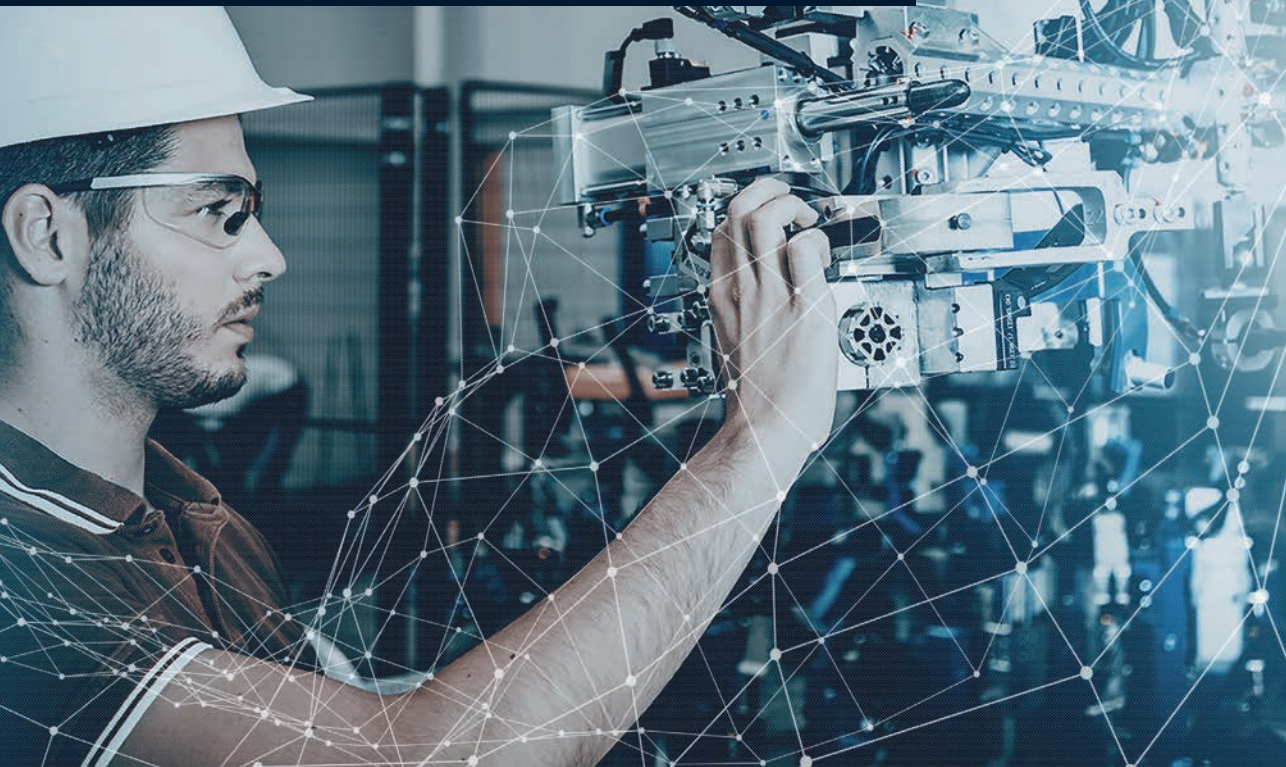


SHAPING THE FUTURE TOGETHER

Customized
**AUTOMATION &
IT SOLUTIONS**



Automation & IT Solutions

HERMOS.

HERMOS is your provider for automation and IT solutions in the fields of buildings, industry, energy and environment. Our expertise is unique and consists of engineering, switchgear manufacturing, software for automation and IT systems, and after-sales service – all from a single source.

With self-developed IT platforms, real product tracking and our own RFID development department, HERMOS also acts as a holistic solution provider, improving your processes with high-quality products and competent consulting.

In line with our promise „*Shaping the future together*“, we are constantly working to integrate the best possible solution for and with our customers.

Customer benefits in focus

Our ultimate goal is to satisfy our customers sustainably with our products and services in the form of customized solutions. HERMOS is one big family, which cares about the well-being of its employees as much as it cares about the well-being of its business partners.

Employees and supervisors treat each other with respect and honesty. Mutual trust is the basis of our cooperation.

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Manufacturing and process industry



Effective solutions with high quality. HERMOS supplies everything from a single source: MSR Engineering, field devices, sensor technology, automation and process control technology, from renowned manufacturers as well as our own system solutions, e.g. MATRIX or FIS. In industrial automation, the special skills lie in the holistic consideration and solution development of machines and plants for various branches („advanced automation“), such as the chemical, pharmaceutical, food and beverage, semiconductor or automotive industry.

- » Automotive industry (painting systems, test benches, robotics)
- » Semiconductor industry (wet chemistry, handling systems, clean room)
- » Mechanical engineering (series and special machines)
- » Food and beverage industry
- » Pharmaceuticals, active ingredient processes & laboratory technology
- » Process engineering, chemistry and food chemistry
- » Conveyor technology & logistics (EHB, baggage conveyor systems, handling and high rack handling systems, packaging machines)

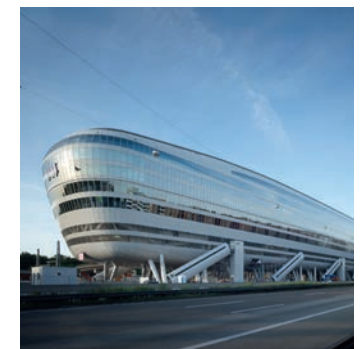


Building automation



Over the years, the use of a building or a larger property changes. Buildings are built, modernized, rebuilt or purchased with your technology. If everything works as desired so one does not notice it at all. In a building there is a multitude of technologies that have to be mastered, combined and optimized in such a way that they are not noticed during operation. These include heating, air conditioning and ventilation, as well as fire and burglar alarm systems, lighting and shading systems as well as elevators and media technology. To get an overview of the different systems, to intervene and optimize them is just as much a goal as to increase the comfort in living and working spaces.

- » Building automation
- » Building management system (BMS)
- » Clean room automation, laboratories
- » Tunnel safety lighting
- » System integration
- » Energy optimization





Switch cabinets & switchgear

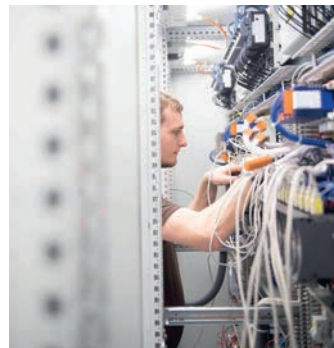


For more than 40 years we have been planning, designing and building custom-made switch cabinets and switchgear for our customers from all sectors of industry.

HERMOS Schaltanlagen GmbH stands for sustainable growth. Continuous expansion of our production and usable areas as well as the expansion of the individual production teams enables us to permanently satisfy our customers. Our switchgear cabinets are used everywhere where intelligent systems simplify industrial work processes.

The service portfolio ranges from UL-certified switchgear and power distribution systems to complex control cabinets

- » Packaging control systems
- » Test bench control
- » Ship applications
- » Grinding technology
- » Machine control
- » Centrifuge control systems
- » Stage technology
- » Building technology
- » Industrial refrigeration
- » Warehouse & logistics



HERMOS Schaltanlagen GmbH

With state-of-the-art machines for cable and wire harnessing, HERMOS complies with the currently applicable Low Voltage Directive and DIN marking requirements. Supported by state-of-the-art production planning and control systems, production is carried out according to certified processes and complies with the European standards EN61439-1 and EN61439-2 as well as the North American standards UL508A, NFPA79 or UL698A. Process-oriented manufacturing automated according to industrial principles is the foundation for high-quality and timely order fulfillment.

- » Load distributors
- » Control cabinets
- » Series cabinets
- » UL certification
- » Container solutions
- » Cable assembly & wire harnessing
- » Engineering





FIS is the manufacturer-neutral platform for integrating technical systems across the entire spectrum of automation. It enables combined use as a management and operating level for buildings and properties, for monitoring, controlling and analyzing their manufacturing and production facilities and as a certified energy data management system. FIS serves as an information and data hub across the entire automation and knowledge pyramid, is intelligently networked, flexible, modular and creates transparency in all areas of application.

FIS - Manufacturer-independent integration of technical systems for industry, buildings, energy and environment

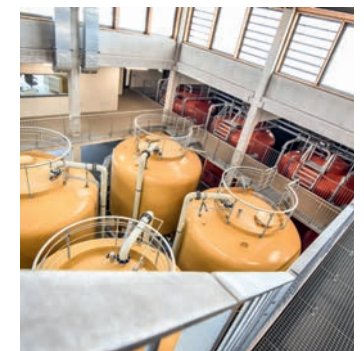
FIS is based on a powerful software framework and is adapted to the respective application in the corresponding industry with characteristic modules that match the application purpose. The framework provides the basic functions, which can be extended by special industry functions.



With its modularity, availability and flexibility, FIS energy manages to integrate itself into the changing times and, as a management level in the field of energy and environment, to bring together the multitude of sensors, the most diverse plant technologies, heterogeneous fieldbus protocols and different manufacturers on one platform. Maximum efficiency, including operation, FIS focuses on maximum efficiency, including the operation, evaluation and documentation of all related process data, as well as reliability at the highest level.

FIS supports all common interfaces, is adaptable to the requirements & structures of the customer and is also certified.

- » Scalable: Grows with your requirements
- » Open: Supports all common interfaces
- » Flexible: Adaptable to your structures
- » Certified: Confirmation of conformity to DIN EN ISO 50001 by TÜV Süd Germany





bd BACdesk

Over the entire life cycle of buildings or properties, functions, services and information related to BACnet networks must be visualized in a detailed, structured, independent yet yet clearly arranged and easy to find. The BACdesk from HERMOS offers a simple yet powerful entry point into the world of BACnet networks. The application possibilities of the BACdesk reach from the use as a browser, over the integration of new or existing installations, to use as a generic BACnet Advanced Operator Workstation.

- » Support in the ongoing operation of technical systems
- » Visualization, monitoring & analysis
- » Connection to the BACnet network via TCP/IP
- » Adjustable communication parameters
- » Communication with MS/TP devices possible
- » Can act as a BBMD or can be attached to an existing BBMD as a foreign device an existing BBMD
- » Logging, analysis, validation and conformance tests

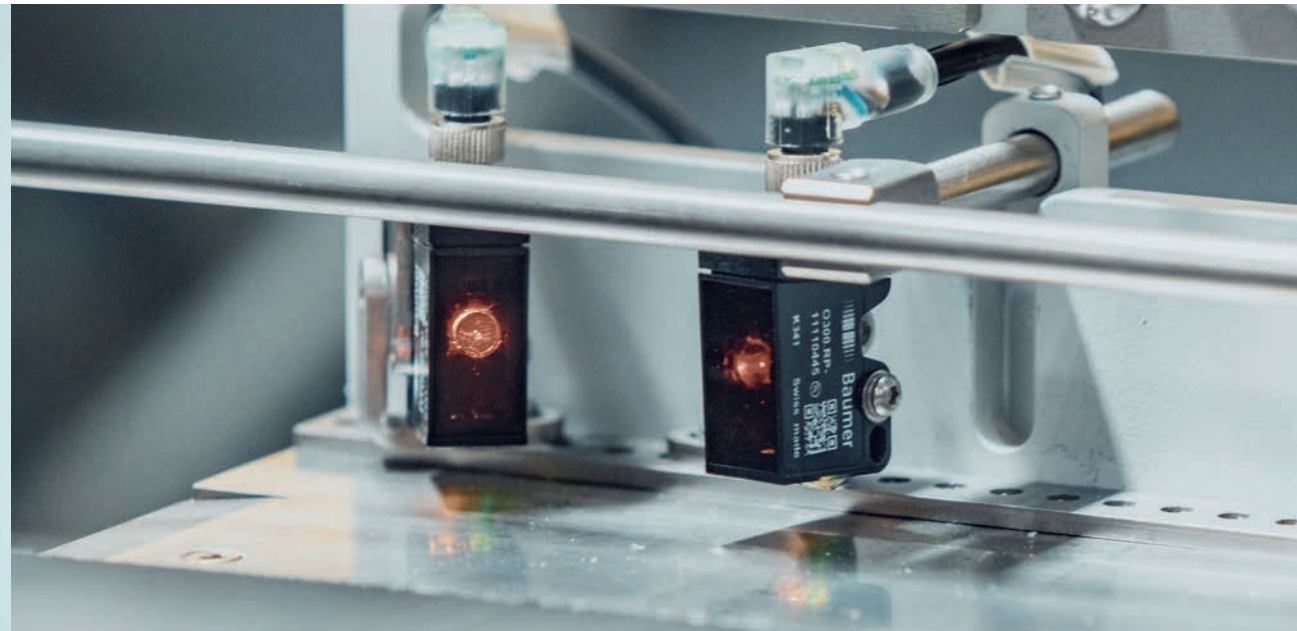


MATRIX

MATRIX (Modular Application Technologies by Rapid Information Xchange) is a modular, scalable application framework for the full range of industrial automation. The individual modules are based on the Microsoft SQL Server database and a high-performance standardized communication system. On this solid basis, even complex distributed production processes can be managed easily and efficiently.

- » Lower acquisition costs
- » Independence from other software products
- » Simple, robust and fast handling
- » Simple realization of complex applications
- » Flexibly expandable
- » Compatible with ERP systems
- » Independence of software systems - long operating time



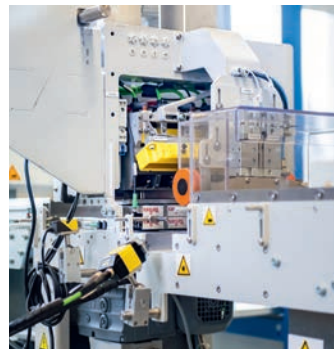


Track & Trace



With its Track & Trace applications HERMOS offers an efficient and reliable solution for the creation of true product integrity and highest production safety. Due to the close cooperation with well-known manufacturers of marking and reading devices, plant manufacturers, system integrators and HERMOS' own system platform HITS, the customer receives a tracking solution from a single source that is adapted to his needs.

- » Aggregation
- » Line Manager/ Enterprise Centre
- » Retrofit and machine solutions
- » Serialization
- » Image Processing
- » Tracking MES
- » From conceptual design to acceptance



HITS

HERMOS Item Tracking Solution. HERMOS Track & Trace applications overcome the lack of physical linkability by marking (coding or RFID) and reading (vision or RFID reader) the manufactured products directly at the production line or within the factory logistics chain. The ERP/MES level or any other target database is supplied with physically aggregated data via our system solution. Through true physical allocation, tracking of production data is thus achieved on a qualitative level. This enables the basis of product integrity in the first place.

100% tracking efficiency

- » Complete traceability of the entire production and logistics chain
- » Transparent design of production processes
- » Tracking efficiency of up to 100%
- » Digital networking through reading and marking
- » Optimization of process steps within the production chain





RFID



As a developer, manufacturer and system integrator of RFID components, we are in a position to offer sensor technology, automation and the associated IT solutions from a single source. We see ourselves as a solution provider who improves your processes with high-quality products and competent advice. Service and customer satisfaction are our top priorities. We respond to your needs and look forward to supporting you in word and deed.

- » Consulting
- » Feasibility analysis
- » concept development
- » RnD services
- » RFID products & RFID solutions
- » Installation and commissioning
- » Support



Energy & Environment

Environmental protection and the careful use of energy resources are becoming more and more important. We at HERMOS have been looking into these topics for a long time. From drinking water treatment combined heat and power generation, everything is included in our projects. With the HERMOS proprietary software „FIS energy“ we also ensure an efficient and climate-friendly use of energy.

- » Heat engineering, heat generators
- » Refrigeration technology, large refrigeration plants
- » Compressed air generation
- » Swimming pool technology
- » Combined heat and power (CHP) plants
- » Waste water
- » Drinking water, pure water and ultrapure water
- » DI water
- » Biogas, biofermentation
- » Exhaust air treatment

