![HERMOS — MEMBER OF ELEVION GROUP]

SHAPING THE FUTURE TOGETHER

Customized
AUTOMATION & IT SOLUTIONS

English | www.hermos.com

HERMOS

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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HERMOS

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**

HERMOS

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

Building management system

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 extendedby special industry functions.

FIS ENERGY

Energy data management

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 relating to BACnet networks must be visualized in a detailed, structured, independent yet clear and easy-to-find manner. The BACdesk from HERMOS offers a simple yet powerful entry point into the world of BACnet networks. The application possibilities of BACdesk range from use as a browser, through the integration of new or existing systems, 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 that has been developed to cover the entire spectrum of industrial automation. It offers a flexible structure that meets the individual requirements of different industrial sectors. Each of the individual modules is based on the powerful Microsoft SQL Server database. In addition, a highly efficient, standardized communication system is used to ensure reliable and fast data transfer. Thanks to this stable and proven technical basis, even extremely complex and distributed production processes can be managed easily, efficiently and securely.

» 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

HERMOS

Track & Trace

With its Track & Trace applications, HERMOS offers an efficient and reliable solution for creating genuine product integrity and maximum production reliability. Thanks to close cooperation with well-known manufacturers of marking and reading devices, plant manufacturers, system integrators and HERMOS' own HITS system platform, customers receive a tracking solution tailored to their needs from a single source. **These solutions enable the seamless traceability of products throughout the entire production process, which is particularly important in highly regulated industries.** The system also helps to optimize production processes by creating transparency and identifying sources of error at an early stage.

» 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 able to offer everything from a single source, from sensor technology to automation and the associated IT solutions. We see ourselves as a solution provider that contributes to your processes through products and expert advice to sustainably improve your processes. In doing so, we place service and customer satisfaction, which are always our top priority. We respond specifically to your individual needs and look forward to providing you with advice and support at any time.

» Consulting

» Feasibility analysis

» concept development

» RnD services

» RFID products & RFID solutions

» Installation and commissioning

» Support

Elevion GERMANY
Group

HERMOS | MEMBER OF
ELEVION GROUP

The Elevion Group is the solution provider for all tasks relating to the intelligent use of energy.
With its focus on holistic energy services, the Elevion Group provides its customers with solutions
that seamlessly combine sustainable CO_2 reduction, continuous increase in energy efficiency,
significant savings in energy costs, and all areas of technical building equipment (TGA) and services.
Elevion Group's subsidiaries are highly specialized companies offering full-service energy solutions
with the financial strength of an international holding company.

With over 60 consolidated companies, Elevion Group operates in more than 12 countries, including Germany, Austria, Italy, Poland, Romania and Hungary.

More information about the Elevion Group:
www.eleviongroup.com

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**

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