



KOEHLSCHIEDT SOLUTIONS WITH POWER



Content

	COMPANY.....	4-5
	ENERGY.....	6-9
	ROBOTIC SYSTEMS	10-11
	INTRALOGISTICS	12-13
	TOBACCO TECHNOLOGY.....	14-15
	BUILDING TECHNOLOGY.....	16-17
	SERVICE/MEDIA LIBRARY.....	18-19

MISSION

HISTORY

COMMITMENT

SUSTAINABILITY

VACANCIES

Contribute! Induce! Inspire!

Since over 40 years KÖHL participate at the central parts of the value-added chain.

Understand and respond to your customer's needs.

We develop innovative solutions for your individual requirements working with you at your eye level. Strong customer relationships, knowledge of the industry and putting our trust in the right partners, together with support for our more than 630 responsible-minded and dedicated employees are the pillars of our success.

Thanks to perfect interaction between our business areas Energy, Robotic systems, Intralogistics, Tobacco Technology and Building Technology, we can offer our customers from different industries top-notch system solutions and provide a strong competitive edge of always being one step ahead in their market.

Mega-trends such as climate change, urbanisation and energy transition present new challenges for the economy. We answer these challenges with targeted investments in technologies for the future.

From an economic point of view we focus on long-term value creation. The KÖHL - Technologies are globally used for key positions of the value added chain. We make an essential contribution to the working processes and to the sustainable development.

In medium and long term KÖHL is well positioned to meet the challenges of the future.



History

The success story of the KÖHL group of companies began in Trier (Rhineland-Palatinate) more than 40 years ago. Demonstrating a tremendous amount of courage to go their own way, couple Edith and Wilfried Köhl founded their electronics business in 1971. Just eight years later, the company moved to its larger production premises in the industrial estate of Trier-Euren. In the years that followed, the company expanded into the areas of switch-gears (1986) and mechanical engineering (1987), further developed the areas of energy, intralogistics and automation (2002) and relocated its headquarters to Wecker in Luxembourg. These days over 630 employees are responsible for our growth performance-developing highly-specific solutions where we are the proverbial one step ahead of the competition.

LUXELEC S.A.

LUXELEC S.A. has been a part of the KÖHL group of companies since 1995. It is a valued partner for comprehensive building solutions: from energy distribution systems to electrical installations, heating-, ventilation-, and air-conditioning systems to security and communication technology. Luxelec S.A. offers a full service from initial consultation, planning and implementation through assembly, maintenance and repair.

Commitment

The social responsibility also belongs to the KÖHL corporate culture. Management and staff regularly and willingly work on behalf of people in need.

Sustainability

We optimise our materials and processes to maximum environmental compatibility, energy balance, and recyclability right from the design phase. Our production process operates intelligently at maximum energy efficiency. Finally, we keep a close eye on the CO2 output of our company cars and are pushing electro-mobility in our role as a supplier of EV-charging stations.

Vacancies

We are always looking for motivated and dedicated talent with the power to innovate, an enthusiasm for technology, and sound knowledge of their speciality. If you are interested in working for an innovative family company which is always on the move, send us your application. Furthermore KÖHL puts great stock in certified training programmes. Each year, we hire around 10 trainees for mechanical, technical and commercial positions.

ENERGY

LOW VOLTAGE

ModuCon

ModuPro

MODAN

MEDIUM VOLTAGE

MediPower KMP A3

MediPower KMP G3

SAFE.ENERGY

TOR

PART

REGENERATIVE ENERGY

Wind farms

Renewable Energy Service

Biogas systems

Geothermal energy

Hydroelectric power stations

Electromobility

ELECTRICAL ENGINEERING

ENERGY MANAGEMENT

Eco.On Energy Management System

Well beyond the standard.

Innovative arc protection technology offers the highest possible personal and system protection!

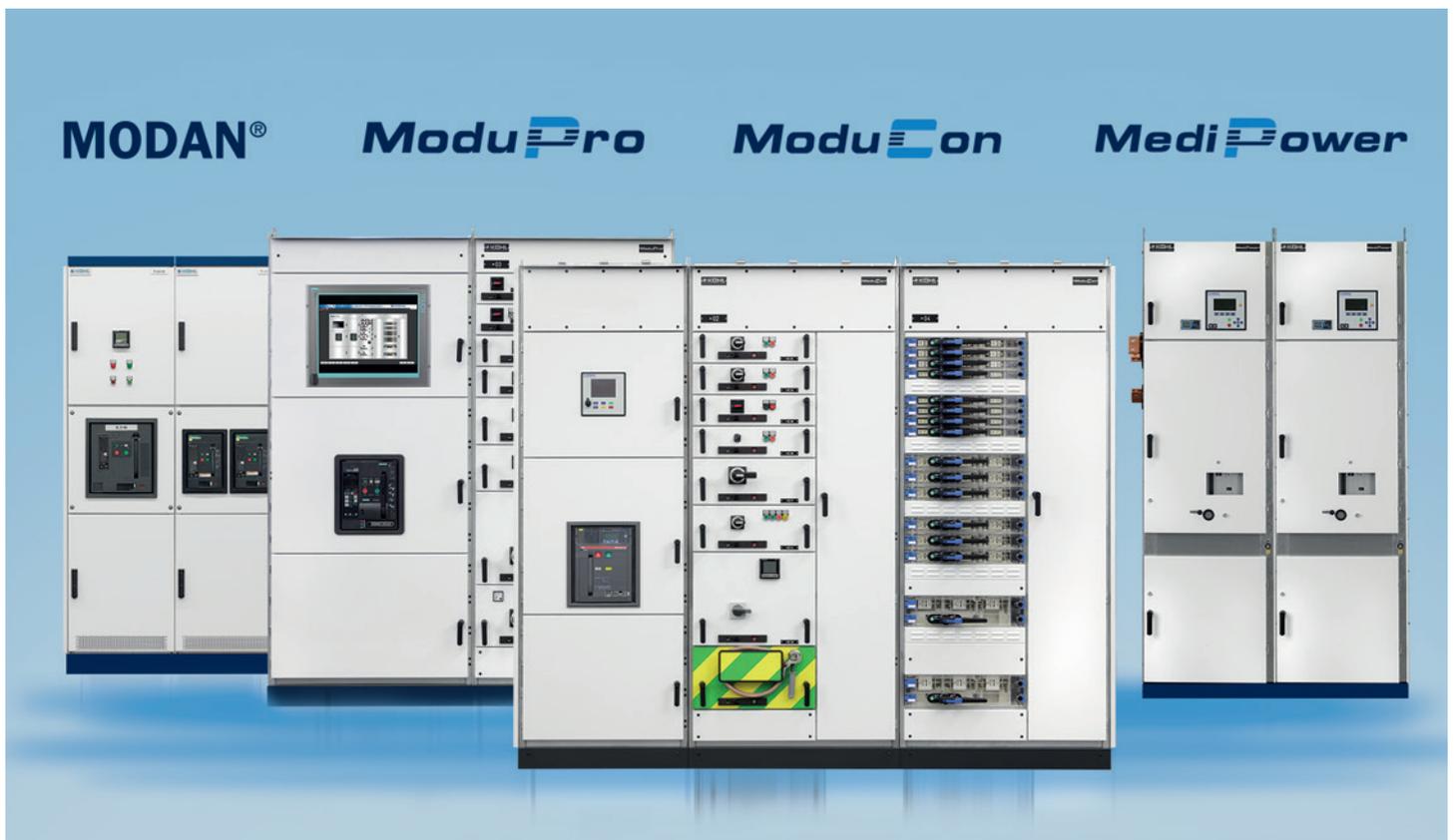
KÖHL guarantees maximum technical reliability for people and machines with its low- and medium voltage switching stations. Leading solutions for the efficient distribution of electrical energy make us a competent partner for industry, machinery construction, and energy suppliers.

Popular for their economy over their whole life cycle, KÖHL low-voltage switchgear units **MODAN**, **ModuCon** and **ModuPro** with their arc protection technology are designed for worst case conditions. With innovative products and solutions along the energy conversion chain, they guarantee energy efficiency in industrial applications and in building processes.

With **MediPower** KÖHL offers a complete range of air and gas insulated switchgear equipment for medium voltage applications in primary and secondary distribution networks. State-of-the-art technology, efficiency and user friendliness combined with excellent personal protection ensures maximum safety in the power distribution process.

The KÖHL low- and medium voltage switchgears exceed testing criteria from clients and the new standards. Constant testing of the KÖHL protection measures performed by independently accredited institutes ensures even more safety especially since requirements for personal protection are continuously increasing in every industry - worldwide.

With the new safety systems **TOR** and **PART** KÖHL meets the requirements to be the arc protection specialist.



TOR - Thermo Observation RFID

The demands on personal and plant protection in electrical energy distribution are increasing across all industries, and worldwide. What people want are products and systems which design reliability of supply and economy efficiently. The energy consumption-reducing systems diagnostic works permanent, wireless, everywhere and hazard-free.

Designed as TAG with integrated high-performance chip and associated reader and dipole aerial, TOR sends precise data on thermal content and/or potential fault sources in plants, which are used friendly and can be called up on your mobile using the KÖHL app, for example.

TOR was developed jointly with the Institut Fraunhofer IPMS, it facilitates maintenance measures and is designed to be retrofitted.



ENERGY

LOW VOLTAGE

ModuCon

ModuPro

MODAN

MEDIUM VOLTAGE

MediPower KMP A3

MediPower KMP G3

SAFE.ENERGY

TOR

PART

REGENERATIVE ENERGY

Wind farms

Renewable Energy Service

Biogas systems

Geothermal energy

Hydroelectric power stations

Electromobility

ELECTRICAL ENGINEERING

ENERGY MANAGEMENT

Eco.On Energy Management System

Energy switch is blowing strong. Energy saving technologies and services.

As the world needs ever more energy, and environmental and climate protection requirements become ever more stringent, utility companies, industry and consumers need to use energy as efficiently and responsibly as possible. What we need are technologies which can make wind, solar power, hydroelectric and geothermal systems more efficient. KÖHL offers products and solutions tailored to individual industries and their requirements.

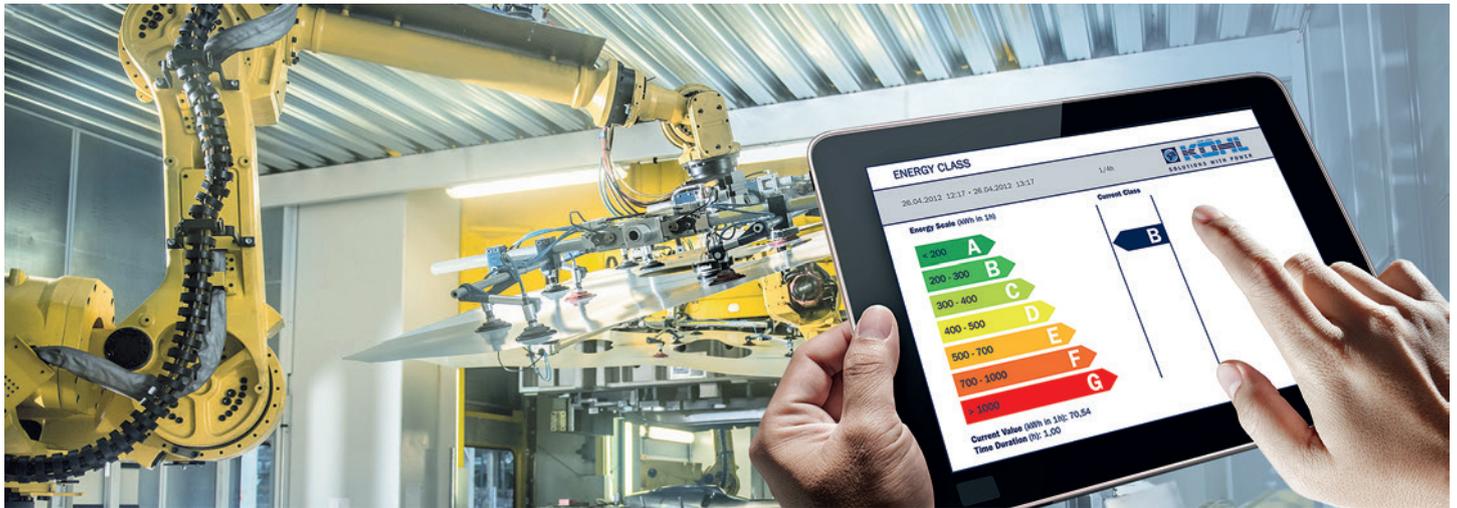
Renewable Energy Service

KÖHL was one of the first to bring economically designed wind turbines onto the market, using state of the art technologies and project management knowhow from development through design and installation to operating systems. KÖHL's Renewable Energy Service is based on our many years' experience in designing renewable energy systems and being able to create the solutions required quickly in-house. With professional, technical and commercial support over the whole lifecycle, KÖHL ensures wind farms operate smoothly and efficiently.

Electrical Engineering

KÖHL Electrical engineering covers consultancy, servicing, maintenance, repairs, modification and building special supply units for mechanical engineering and plant construction, with small-scale series production of electrical, hydraulic and mechanical system components complete the range.

State of the art machinery and systems, our spacious 2700 m² works and our skilled team of electrical and mechanical engineers ensure your orders are dealt with on quality and on time.



Eco.On Energy Management System

Sparing use of resources with a simultaneously increasing need for energy and rising energy costs call for a professional energy management system. Eco.On is your sustainable and integrated energy management system, which fulfils the requirements of the DIN ISO 50001 standard. It makes company energy needs and consumption transparent and supports processes and procedures to achieve set targets.

Eco.On makes it possible for you to record and analyse the use of energy and energy consumption, as well as determining the variables which affect this for all media, such as electricity, gas, water, heat or compressed air. Complex processing and production processes impose specific requirements for efficient energy planning. Eco.On is convincing here due to its intelligent, scalable structure, which portrays even complex consumption situations clearly.

Optimizing operating processes through more efficient energy usage with reduced costs is the main priority at all stages of Eco.On energy management. Eco.On instigates a long-term, profitable energy policy at all levels of the company.



ROBOTIC SYSTEMS

Control systems and software

Software design and programming

Automation solutions

Increase productivity.

Comprehensive automation systems with industrial robots.

KÖHL offers complete solutions for a wide range of tasks in industrial automation, from design through implementation to comprehensive service.

With our experience and knowhow, especially in emission-prone branches of industry, we can produce product and process specific applications strategies for a broad range of industries.

State of the art simulation programmes enable plant to be designed reliably and faithfully in detail, so all input factors can be reflected and tested before installing any hardware components.

Control systems and software

Our automated systems are outstanding for being so user-friendly. Robot management is integrated as part of system management, so all system components and robots can be parametered and controlled. Modifying and optimising programmes takes just a few parameters input, specialist robot knowhow is mostly unnecessary.

Software design and programming

From simulation tools to SPS through to intelligent robot networking and man-machine interaction, our software solutions are tailored to your automation solution. Software tools offer full functionality, for setup, programming, position control, program process functions, diagnostics etc. With their open architecture, the control systems used can be customised to suit any plant and meet any demands. Robot software is programmed individually to suit the tasks involved.

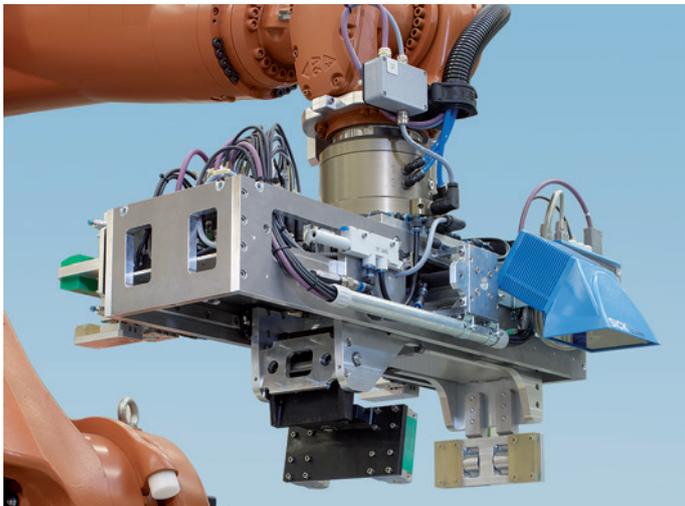
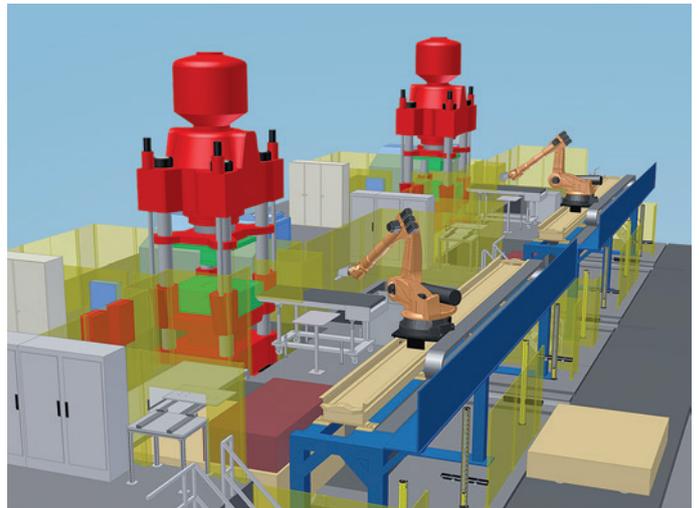
We produce an appropriate, specific parameter set for each product format; clients can then define their own pa-



parameter sets and save them independently of other software. Many upgrade options are also available which you can use to make changes/upgrades easily.

Automation solutions for the branches:

- Fine and ordinary ceramics industry
- Cigarette and tobacco industry
- Automotive contractor industry
- Consumer goods industry
- Steel and Heavy metal industry



INTRALOGISTICS

INTRALOGISTIQ

Process management

Process automation

Automatic storage and retrieval systems

Conveyor- and transport systems

Empty pallet checking system (LPK)

LOGISTICS AND INFORMATION SYSTEM

Material flow simulation

WMS Warehouse Management System

Stacker control system

EAC Embedded Automation Computer

PTS Part Trace System

Web-based process visualisation

Reporting System

MOM 95

Manufacturing Operations Management

Image processing

AUTOMATION FROM A TO Z

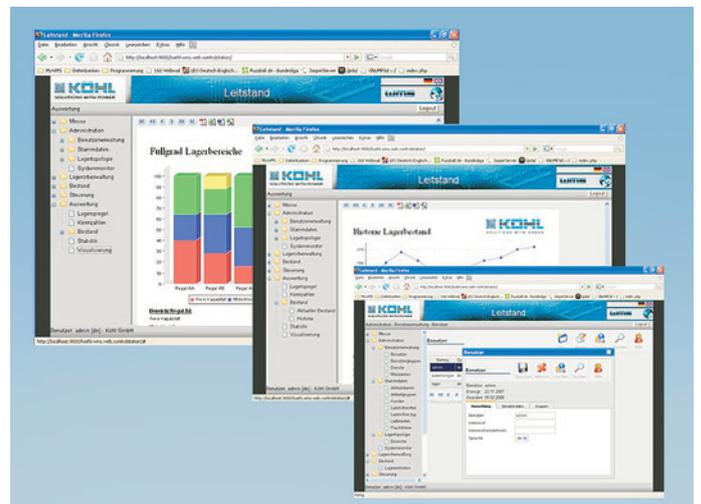
Programming for efficiency.

Intelligent automation technology optimises the production process.

KÖHL specialises in linking process management and optimised automation technology intelligently. If you want high productivity, you need to make your industrial production lean, flexible and energy-saving. For each sector KÖHL designs customised solutions and supports businesses.

The portfolio ranges from automation and drive technology through production control and system integration with industrial software through to efficient service. KÖHL offers the industry the potential to improve its information flow of production relevant data and design, simulate and optimise complete production processes digitally even before launching them.

KÖHL automation, networking and display systems are designed to be safe and efficient: so optimised process management is the result of linking information data intelligently via management and process control systems. Our clients enjoy the fact that they are scalable and can be adapted to new technologies quickly.





Systemintegration with IQ.

Storage and transport systems will be linked to a fully automated plant.

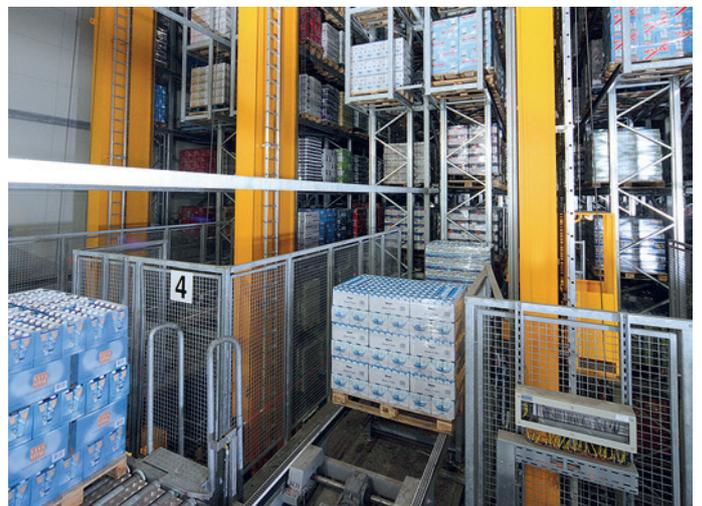
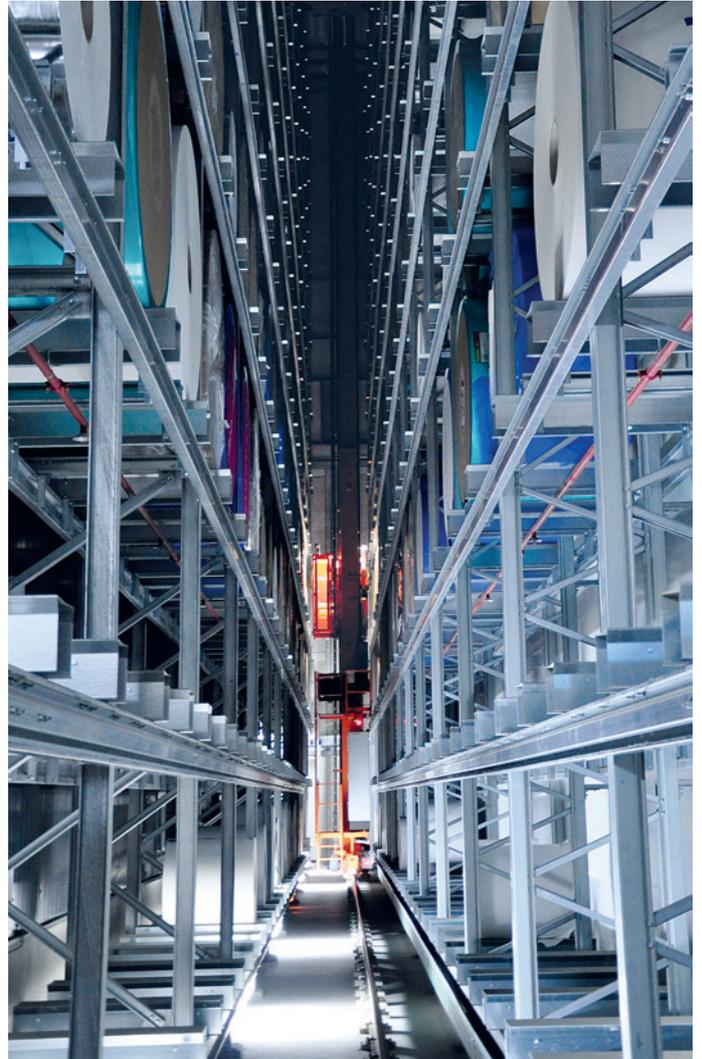
Acting as a general contractor, KÖHL develops, plans and implements fully-automated high-stack stores and material flow systems: from the drawing board to turnkey handover of the whole assembly.

LIS for Intralogistics

KÖHL's team of experienced high level language programmers designs and creates logistics information systems which combine product management level with control systems in production and distribution intelligently.

Automation from A to Z

KÖHL automation processes feature modern control systems, professional visualisation systems and intelligent warehouse management. Robotic systems for palletising, de-palletising, transporting and picking complete the range on offer. Identification and labelling processes such as barcode technology or RFID, track&trace systems for transparent planning and production processes.



TOBACCO TECHNOLOGY

PRIMARY

Case Unpacking

Dividing and Slicing

Conditioning

NRTM Removal

Flavouring and Casing

Blending and Storing

Stem Flattening

Expansion and Drying

Cooling

Feeding Solutions

SECONDARY

Online Flavouring

Bundle Perforation Unit

LOGISTICS

Bin and Case Filling

Bin Handling

End-of-line Palletizing

AUTOMATION

Solutions which will astound you.
Innovative processing and logistic systems for the cigarette and tobacco industry.



The merger of HEINEN and KÖHL in 2010 creates a competent partner for the cigarette and tobacco industry who can convince with High-Tec-Products and additional system solutions throughout the whole processing.

HEINEN KÖHL combines the experience of HEINEN in tobacco processing with the know-how of KÖHL in Secondary, Logistics and Automation.

We are in a close dialogue with our customers and offer full, tailored solutions incl. layout, machine design, production and assembly.

Our vision is clear: "We want to inspire our customers with the most flexible, innovative and efficient processing and logistics equipment available on the market."



Primary

The long-standing expertise in Primary section makes HEINEN KÖHL a specialist for innovative products that are in demand by the tobacco and cigarette industry: starting with case unpacking, dividing, conditioning on to blending and storing right through to cooling and feeding solutions.



Secondary

In Secondary section HEINEN KÖHL has developed the online Flavouring System FAS for single and double-stranded filter and cigarette machines. The FAS ensures a homogeneous application of liquid flavours as well as pure menthol. The mobile unit allows utmost flexibility at the production facility.



Logistics

With the special experiences and know-how, HEINEN KÖHL has developed automated systems for the tobacco industry, which make the production process more efficient. Transport systems and industrial robots which are intelligent connected are used. Functions, such as cardboard transport, pallet supply, packaging, labeling, safety equipment, control systems are performed automatically.



Automation

For the complete product range of the tobacco and logistics divisions HEINEN KÖHL has elaborated many solutions for field automation, SCADA systems and Batch Management Systems. Tobacco treatment in primary section, control of special machines in secondary as well as for finished good handling in the storage area, for all these fields HEINEN KÖHL has numerous references.



INTELLIGENT BUILDING
SYSTEMS

SECURITY AND
COMMUNICATIONS SYSTEMS

FACILITY MANAGEMENT

Value-adding.

Building technology ensures energy efficiency and comfort.

Acting as general contractor, KÖHL takes on all the necessary processes and services in the area of infrastructural operations, commercial building management, technical building equipment and building-specific processes which have to be managed professionally.

From switchgear to socket

Intelligent building systems stand out in that they both increase energy efficiency and make buildings more user-friendly. That means the system as implemented is always more than the whole of the sum of its parts.

KÖHL designs and creates coordinated building solutions, from energy distribution systems through electrical installations, heating, ventilation and air-conditioning systems and security and communications systems through to facility management. The individual components involve work harmonically in coordination with one another.

Security and communications systems

Access control systems, CCTV, alarms and fire safety are part of today's building architecture. Demands on security and communications systems are becoming increasingly complex, and call for a partner who specialises in networked solutions.

KÖHL is a VdS-approved company, with a convincing professional full service portfolio, from design to execution, maintenance and repairs.

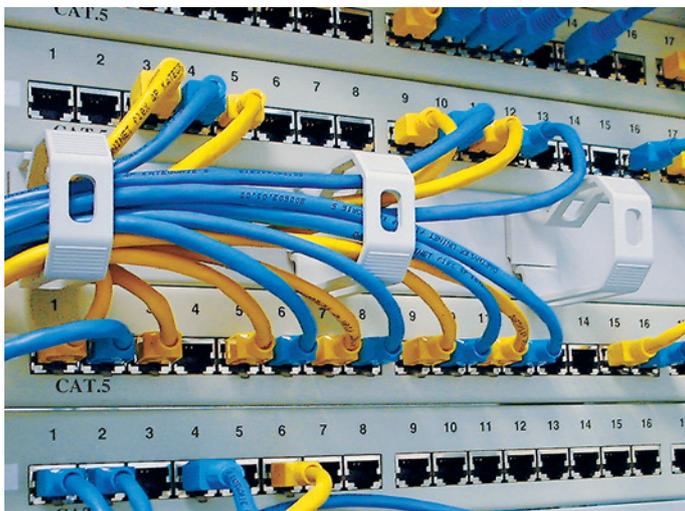
Facility Management

Building and industrial systems are productive and profitable if they cover all disciplines and can be checked and monitored automatically. KÖHL Facility Management covers the complex field of property management completely from building through area to energy management.



Management and control systems network building automation technical units intelligently with one another. The data obtained make energy flows and use patterns transparent and provide the foundations to optimise financial aspects further.

With KÖHL, facility management also includes commercial controlling, including across the board management such as property accounts, procurement, cost and contract management.



PLANNING

QUALITY MANAGEMENT

MAINTENANCE / OPERATIONS

MEDIA LIBRARY

Face-to-face and online.

Always close to the customer.

Planning

Success needs good planning and the best consultation. At your side, we will devise your individual needs, develop solutions for your requirements and implement them professionally, profit-driven and innovative, at the highest level. As consultants, we know what it means to be at your side and put our faith in constructive, trusting involvement.

Quality management

We always attach great importance to the best quality solution in the end. We regularly check and standardise our production processes and services. Our quality is of the highest level - certified according to DIN EN ISO 9001:2008. No product or machine leaves our company without undergoing multiple checks.

We also offer the possibility at our production sites to put your order through an incoming inspection and approval before delivery and assembly. For the machine technology area, we guarantee a high level of safety and proper environmental execution as per SCC Safety Certificate Contractors on workplace safety, health and environmental protection.

Maintenance / Operations

A dedicated division of the company maintains, overhauls and repairs your old machines and systems. Well trained and experienced staff works with you to find creative, professional solutions and bring your production systems back up to speed. We are also specialists for engines and machines no longer in production today.



Facebook profil:
KÖHL Group

Media Library

Are you looking for more extensive information?

On <http://www.koehl.eu/en/media-library/brochures/> you have the opportunity to download our company and product brochures as PDFs and save paper.

For all product areas you will find detailed product brochures and a variety of exciting job reports.

Below the category Audio & Video you can see the products in action!

We can also post the information you want upon request. Your items will arrive within a few days free of charge.

Of course you can find us on Facebook - we constantly post you the latest highlights from the world of the KÖHL Group.

With our RSS Feed you will never miss any news.

See you on www.koehl.eu

Start - News

News

Find the latest news from the KÖHL group and the latest news

NEWS TRADE FAIRS

-  18.03.2014
Hannover Messe 2014 - We E81
-  21.02.2014
Jobreport 27 KÖHL's fully a in one
-  18.02.2014
New Vacancies: Head of De
-  12.02.2014
Energymanagementsystem
-  07.02.2014
Business and manufacturing
-  04.02.2014
We are on facebook

Start - Media library - Brochures

Brochures

Are you looking for more extensive information? Then use the opportunity to download our company and product brochures as PDFs and save paper. We can also post the information you want upon request. Enter the quantity and language of the brochures you require in the following form. Your items will arrive within a few days free of charge.

+ KÖHL Group
x Energy

order print version

PDF in  

Print version
(Please enter a number)

Start - Media library -

Ordering brochures

ORDER SUMMARY
ORDER PRODUCTS

Form of address Mr Ms

First name*

Surname*

Company*

Street / no.*

Post code*

SafeEnergy MCC
Safest power distribution system with maximum mechanical design and constructive accidental arc fault protection

PowerEnergy MCC
Designed by the specialist for accidental arc fault protection!

MODAN® switchgear system
Intelligent, safe energy distribution.

INFO - CONTACT

KÖHL Group

17, Am Scheerleck
6868 Wecker
Luxembourg
Tel.: +352 71 99 71 - 5000
Fax: +352 71 99 71 - 5009
info@koehl.eu
www.koehl.eu



Additional information