

We create solutions

We digitize your value chain. By combining intelligent processes, state-of-the-art automation, and in-depth engineering expertise, we develop and manufacture solutions that increase productivity, streamline processes, and reduce costs over the long term.



Assemblies and Subassemblies from a Single Source

From electromechanical assemblies to cable assemblies and wire harnesses, all the way to custom connectors, you'll receive precision-manufactured, ready-to-connect solutions. This simplifies your procurement, reduces interfaces, and takes the pressure off your own production.



Electromechanical Assembly

At our state-of-the-art assembly and test stations, we manufacture plug-and-play assemblies based on specifications, drawings, or schematics.



Cable Assembly Manufacturing

We manufacture high-quality cable and wiring solutions for machines, systems, control cabinets, and assemblies.



Wire Harness Manufacturing

For more than 40 years, we have been manufacturing wire harnesses according to customer-specific requirements—based on samples, dimensional drawings, drawings, or schematics.



Encapsulation Solutions

We protect electrical and electronic components using a low-pressure injection molding process tailored to customer-specific requirements.



Charging Cables for Electric Vehicles

Durable and reliable charging cables support the safe charging of electric and hybrid vehicles in both private and public settings.



Modular Connectors

Standardized and custom-designed connector solutions enable flexible applications across various industries and system environments.



Digital Wire Harness Manufacturing

Our digital and automated circuit board manufacturing process covers the entire workflow – from data upload, through validation checks and quoting, to ordering and production. Manual steps are reduced, which shortens turnaround times, increases process reliability, and ensures consistently high, repeatable quality.

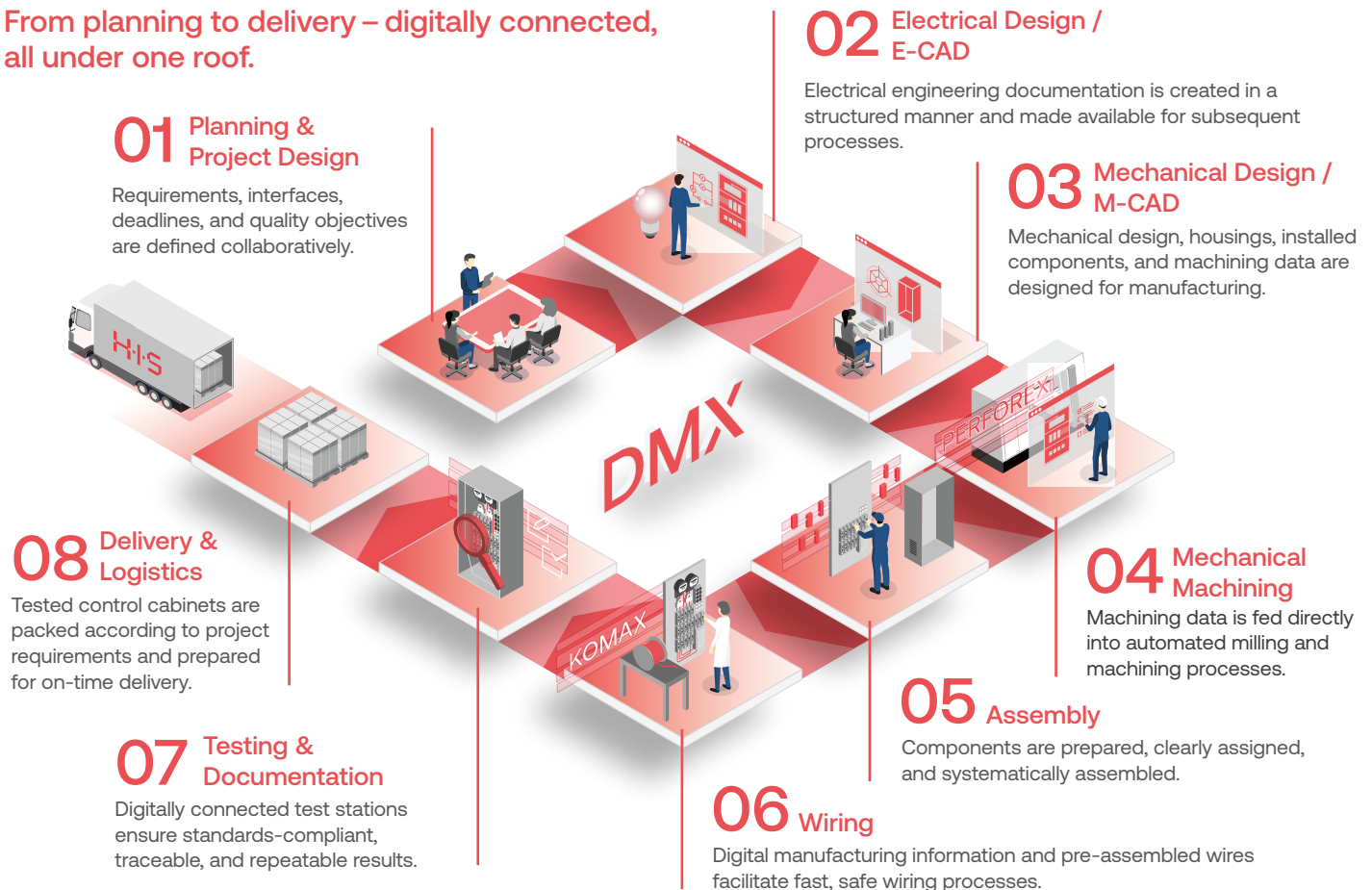
Go to the
Online Wire Set
Configurator



Integrated Control Cabinet Manufacturing

We see engineering, production planning, and manufacturing not as separate steps, but as one digitally integrated process. This integrated approach increases efficiency, flexibility, and transparency in development and manufacturing. We design and manufacture control cabinets entirely according to your requirements or seamlessly implement existing designs.

From planning to delivery – digitally connected, all under one roof.



Digitally Connected Control Cabinet Manufacturing

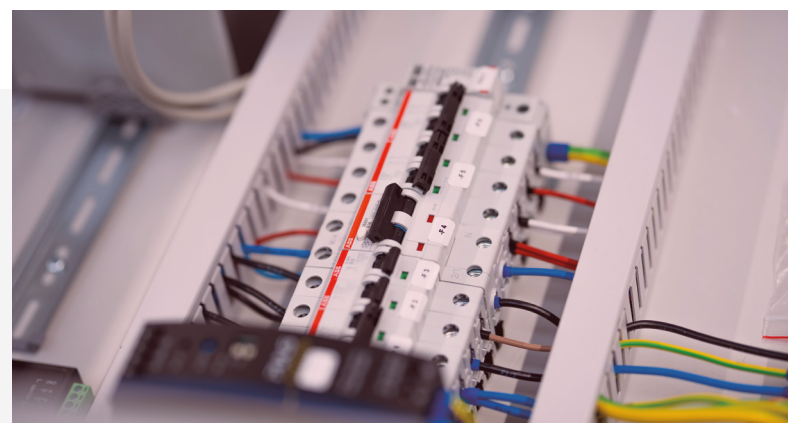
Control Cabinet Manufacturing Today

Efficient Data Transfer

EPLAN, STEP, CAD, and other project data can be imported digitally. This reduces data transfer errors and ensures a seamless data flow.

Simplified Documentation

Virtual wiring, digital test processes, and automatically generated manufacturing information reduce the need for manual documentation and create transparent processes.



Higher Throughput

Automated and connected processes can significantly increase throughput from design through manufacturing.

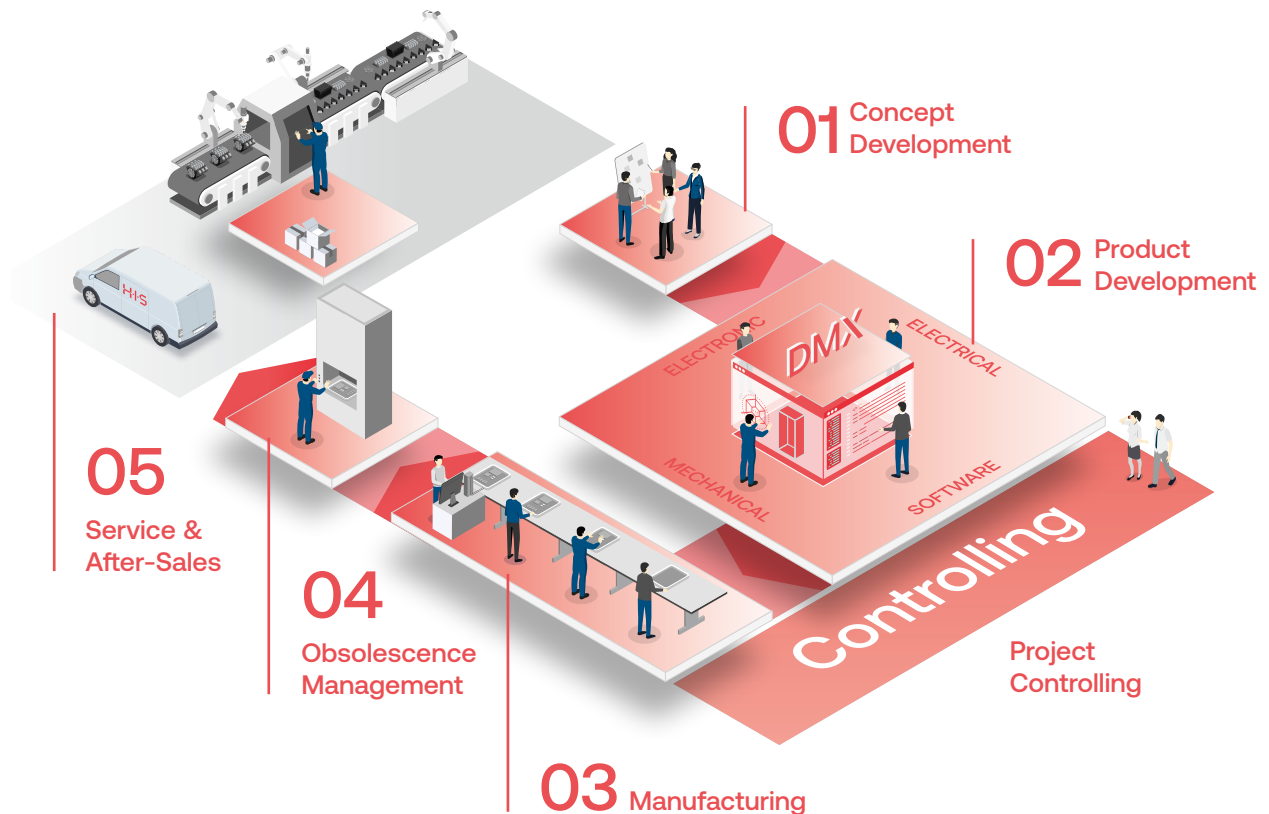
Consistent Quality

Digitally networked testing and manufacturing stations ensure standard-compliant and reproducible results at a consistently high level of quality.

Mechanical Engineering & Mechatronics Tailored to Your Needs

In the field of mechanical engineering and mechatronics, we offer a comprehensive portfolio of services – from concept development through design and engineering to manufacturing, testing, and commissioning. Digital processes, automated manufacturing, and high-quality standards ensure efficient, flexible, and technologically advanced results.

From concept to service – solutions across the entire product lifecycle.



01 | Brainstorming

We work closely with you right from the concept phase. Cross-industry expertise and manufacturing experience are incorporated early on in the solution development process.

04 | Obsolescence Management

A proactive spare parts strategy and proper long-term storage play a key role in ensuring availability and extending the product's service life.

02 | Product Development

Electrical and mechanical components, together with the corresponding control software, are developed as a fully coordinated system.

05 | Service & After-Sales

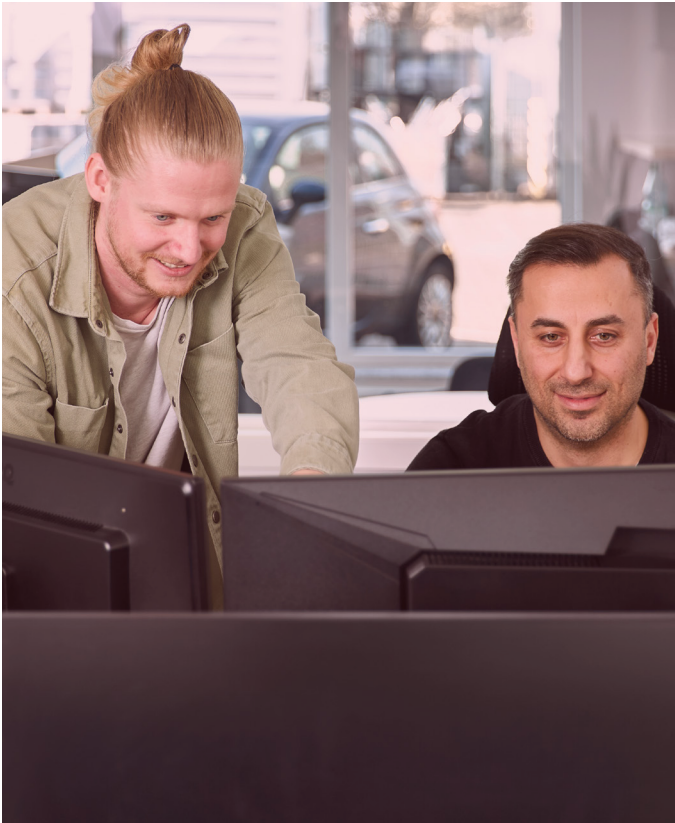
Even after delivery, we'll continue to support you with servicing, maintenance, repairs, and technical modifications.

03 | Manufacturing

Highly automated machining and manufacturing processes reduce lead times and enable cost-effective production.

Project Management

A tailored specification with clearly defined performance requirements, schedules, and budget targets provides transparency and helps ensure compliance with the agreed framework.



Development & Design with Manufacturing Expertise

We combine in-depth expertise in design, development, and manufacturing into an integrated, high-performance offering. Our interdisciplinary team works closely together to develop tailor-made solutions for a wide range of industries and applications. Established engineering tools such as SOLIDWORKS® and EPLAN support efficient, flexible, and future-proof development processes.

E-CAD
M-CAD

Programming
Co-Engineering



Developing Solutions Together

From the initial idea to the final design, we guide you through the process with transparency and a focus on results. Digital 3D models provide a shared working basis and improve planning certainty.

Efficient Engineering

Your application expertise is directly incorporated into the development process. Structured E-CAD and M-CAD workflows enable fast coordination and reliable results – even in complex projects.

Electrical Design

We develop circuit diagrams, bills of materials, terminal diagrams, and other electrical engineering documentation providing a reliable basis for manufacturing, testing, and technical documentation.

Mechanical Design

From components and housings to complete assemblies, we create precise 3D models and production-ready drawings.

Programming

Control and automation functions are developed to match the mechanical and electrical design and integrated into the overall system.

Co-Engineering

Working closely with your teams, we combine industry expertise, product knowledge, and manufacturing experience to create practical, manufacturable solutions.

