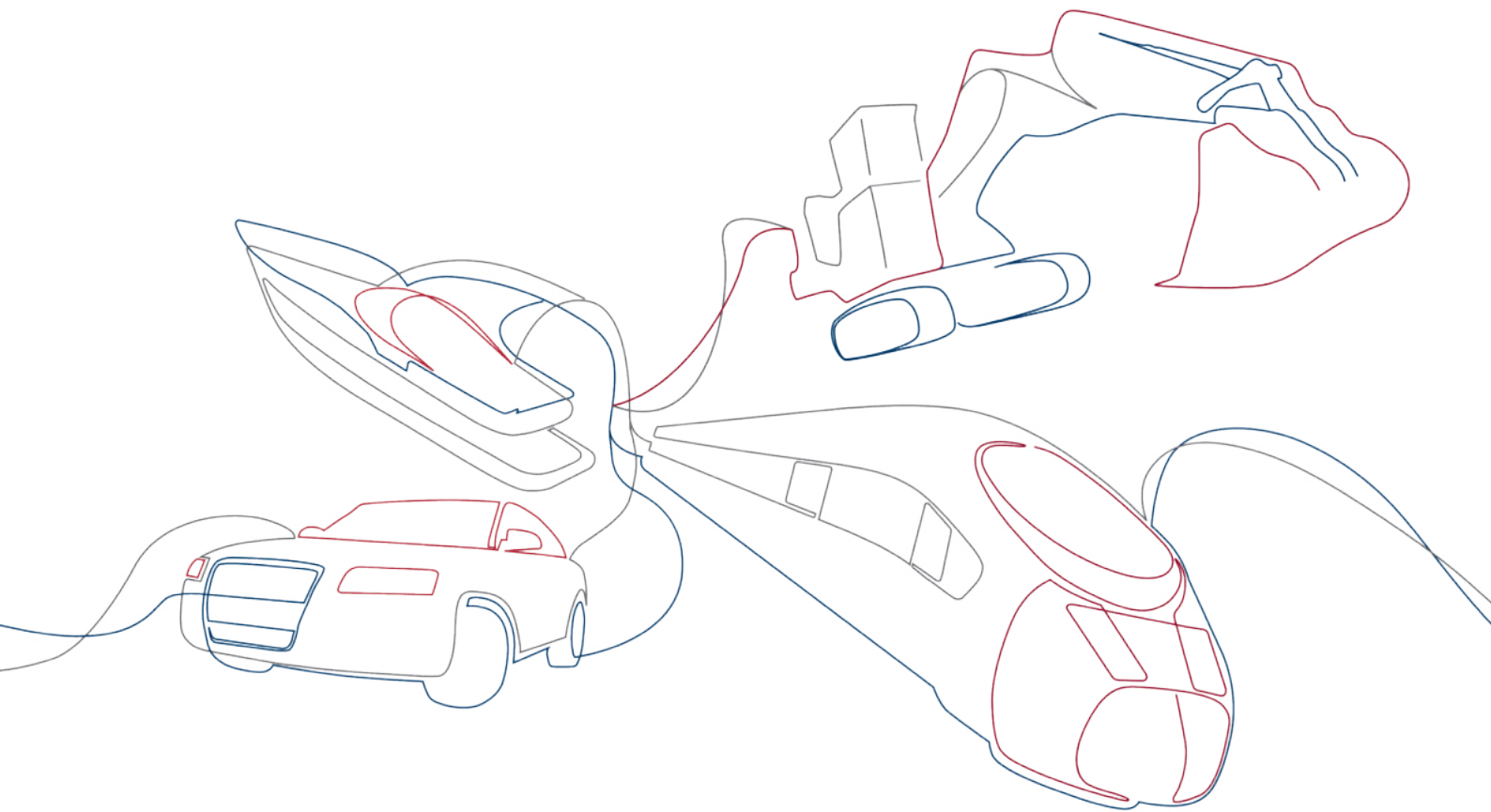


## CONTROL CABINETS & CABLE ASSEMBLIES



## CONTROL CABINETS & CABLE ASSEMBLIES



### INFORMATION

We offer everything from contacting and assembly of cables and control cabinets, right up to the mechanics from a one-stop shop. Co-engineering for system solutions, new and further development of project studies, prototype building or serial production – we are there for you as a system supplier.

### APPLICATION AREAS

Our production competence covers the following areas:

- railway
- automotive
- utility vehicles
- measurement technology
- construction machinery
- machinery and equipment manufacture
- agricultural engineering
- medical engineering

### RANGE OF SERVICES

We are specialists from the prototype right up to medium-sized serial production.

We integrate the following products in your systems: cable harnesses, cable assemblies, sub-assemblies, control cabinets, earthing braids, driver's desks and energy chains.

Commitment to quality: We supply this product in accordance with our tested and certified quality standard



**DIN EN ISO 9001:2015**  
Certified  
Quality Management System



**DIN EN 15085-2 CL1**  
International welding  
certification for railway  
vehicles



**IRIS Certification® based on ISO/TS 22163:2017**  
Quality management standard  
for the railway industry

## CABLE ASSEMBLIES

### Product information

Tailor-made solutions for complex tasks, the highest quality standards and satisfied customers – this is our number 1 priority.

- Standard and special cable assemblies
- High availability for a rapid response
- A wide range of options for materials, cable protections and plug types
- Sample and prototype building



## CONTROL CABINETS

### Product information

Control cabinets are assembled individually according to the customer's wishes. We will be happy to advise you in the design phase. Our services include:

- planning, determination, procurement, assembly and wiring of the sub-assemblies and components
- compilation of part lists, circuit diagrams and documentation
- production of cable harnesses and connection leads
- electrical testing of the wiring
- function test of the sub-assemblies and control cabinets
- selection and assembly of the mechanical components



## PRODUCTION OPTIONS



SPECIFICATION	DESCRIPTION	VALUES AND DATA
Cable protections	Corrugated tubing Braiding Bandaging Insulation/protection tube Customer-specific requirement	All standard diameters Up to diameter 30 All diameters All standard diameters
Production measures	Crimping Insulation displacement technology Overmoulding with hotmelt Casting with epoxy resins  Resistance welding Ultrasonic welding	0,14mm <sup>2</sup> to 240mm <sup>2</sup> All standard materials Connectors and components Filling and sealing of housings  0,5mm <sup>2</sup> to 6mm <sup>2</sup> up to 14mm <sup>2</sup> , coppers wires
Metal-processing options	Welding  Stamping and bending Milling and turning Coating Soldering and annealing	Certification level CL1 in accordance with DIN EN 15085 All the usual materials All the usual materials Powder coating, electroplating Soft and hard soldering

# ONE-STOP SYSTEM SOLUTIONS

## CUSTOMER-ORIENTED PROCESS ORGANIZATION:



## PROMISE TO OUR CLIENTS



### International

8 locations on 4 continents mean less hassle and more security!



### Development Expertise

We can develop customized solutions to meet your needs.



### Local Expertise

Cost efficiency is important, and we will produce where it makes the most business sense.



### High Vertical Range Manufacturing

For guaranteed flexibility and fast prototype fabrication.



### Years of Experience

We combine our 90 years of experience with state-of-the-art technology.



### Service

Whether it comes to engineering, design-to-cost workshops, or after sales service, you can count on our support.



## OUR BENEFITS FOR YOU:

- Punctuality
- Consistently high quality all over the world
- Comprehensive service wherever you are in the world
- Years of expertise for your product
- International presence
- On-site engineering service – from prototyping to after-sales
- Original manufacturer
- A team just for you



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