





**5 locations** in Germany  
and **1 location** in Switzerland

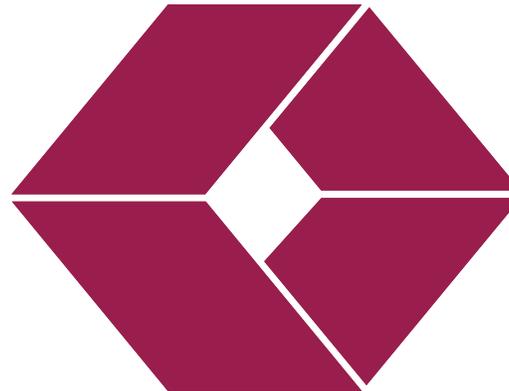
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over **30 years experience**  
in the rail vehicle sector

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**Certified** in accordance with DIN ISO  
9001, DIN EN 15085-2 und DIN 6701-  
2, EN 5012x/EN 50657, ISTQB, IPMA

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**Member of** VDB, VPI, Rail.S, DIN FSF, Allianz  
pro Schiene, Swissrail, Litra, TST and VöV

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Approved **assessors** for EBA/BAV  
Inspectors for NoBos and DeBos

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**120 employees**

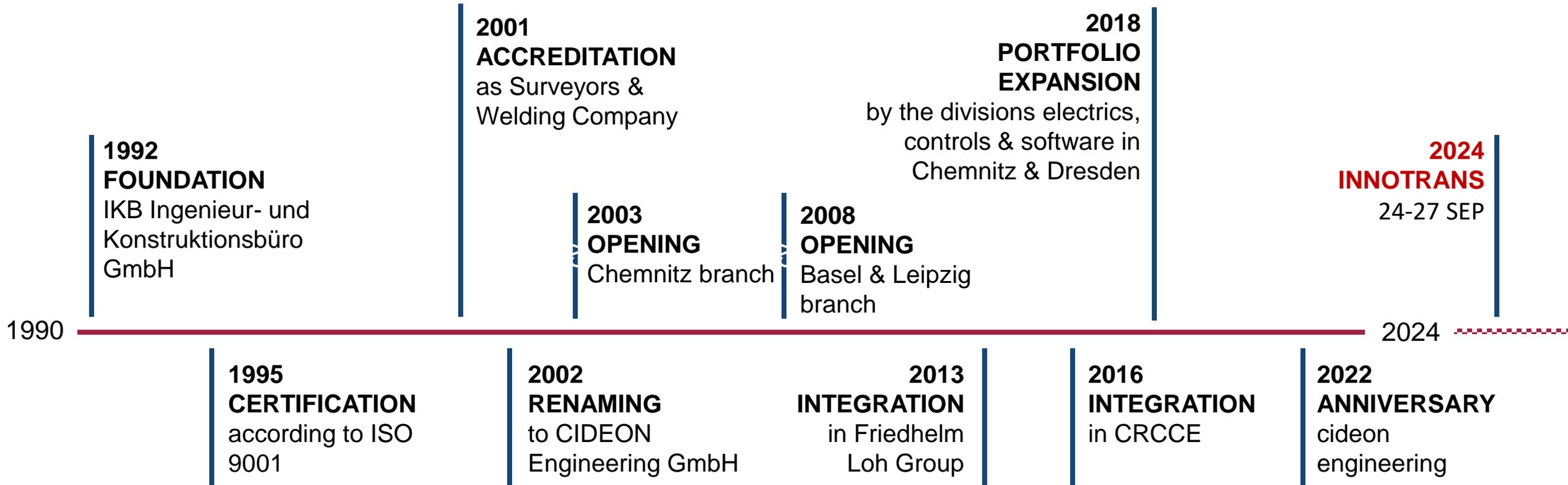
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**Annual turnover of 12 million euros**

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# We are cideon engineering

Over 30 years of experience in the railway industry





## Consulting

We've got you covered. We find workable solutions – from the beginning of the tender through to finalising approval.

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## Electrics, Controls & Software

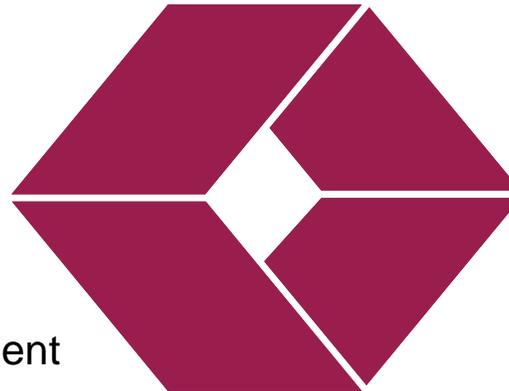
We know the technologies that will move the industry in the future. Benefit from our expertise in innovative drive systems, TCMS & ETCS.

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## Mechanics

Rail vehicles are highly complex systems. Our competencies cover the entire development spectrum.

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## On-site engineering

Flexible solutions for your work. We support you with the expertise of our teams and with the methods that suit you.

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## making mobility happen

The rail industry is seeing many technical innovations: international control systems, modular freight wagons, new energy-efficient drive concepts. This forces operators to tackle new challenges. This requires experts with experience. From the concept development to construction through to approval – we provide the experience that changes the way you respond to challenges.

## Product lifecycle for new development and modernization





### To ensure reliable operation of the train

We've got you covered. We are a team of rail vehicle specialists who get going when things become particularly challenging.

We find workable solutions – whether in quality assurance or in approval.

### Services

- System Engineering & Project Planning
- Bidding support
- Expertise & Inspections
- Approval support





### **System Engineering & Project Planning**

We take care of system definition and vehicle layout, as well as requirements and technical project and supplier management.

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### **Expertise & Inspections**

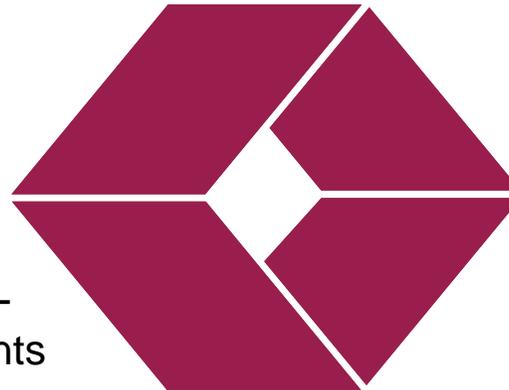
We have independent experts and inspectors for NoBos and Debos. These include assessments of accidents as well as acceptance tests.

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### **Bidding support**

Whether requirements or functional specifications – we formulate the technical requirements and performance parameters for you.

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### **Approval support**

Our authorized experts support you via peer review methods for preparing documentation for official bodies.

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# Our core competencies

## Mechanics

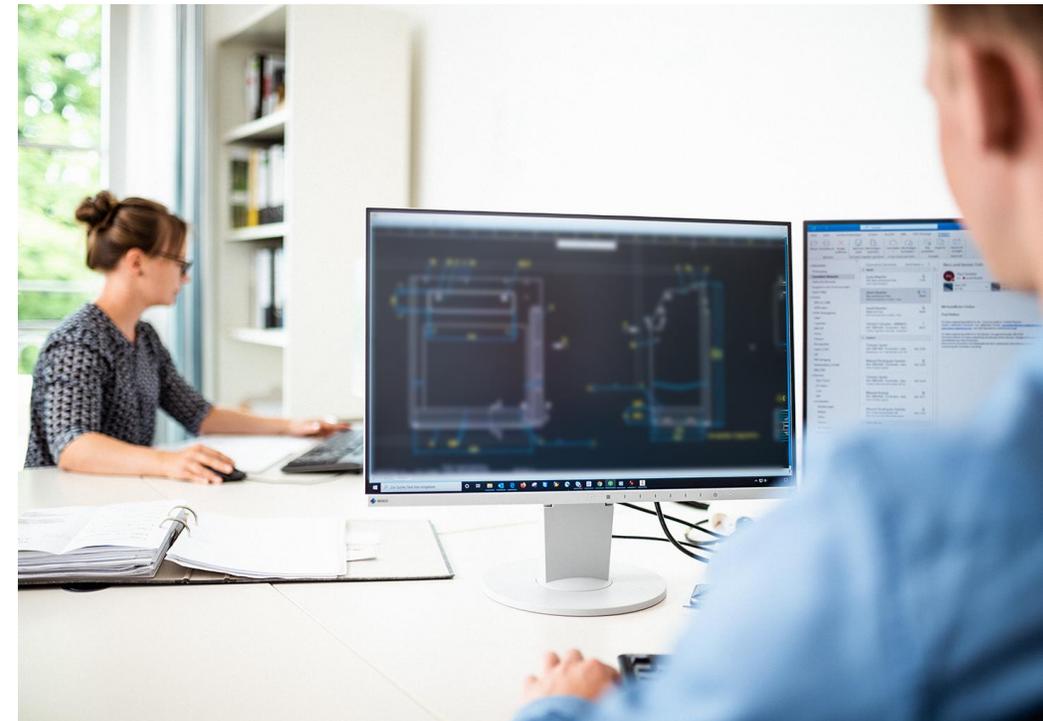


### Integrated approach

We develop vehicles and alternative transport systems for you. Our competencies cover the entire spectrum of development, including MKS, reverse engineering using 3D scanning and 3D printing.

### Services

- Project planning
- Design
- Calculation & verification
- Documentation



**Our certificates:** DIN EN ISO 9001 • DIN EN 15085-2 • DIN 6701-2



### **Project planning**

We keep an eye on the standards and regulations that you need to meet during operation. If necessary, we can prepare customised specifications for your partners.

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### **Calculation & verification**

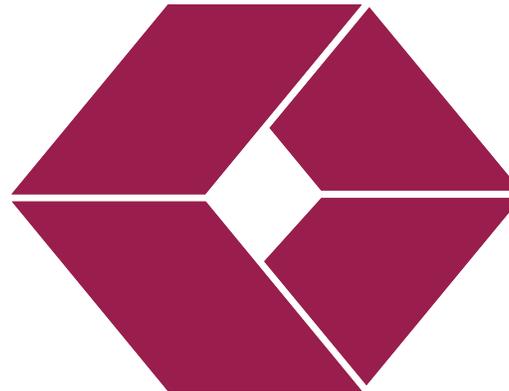
We make calculations for rail vehicles in terms of strength, derailment, brake, running safety, envelope curve or limits according to the currently applicable standards.

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### **Design**

Using commonly available CAD programs (Inventor, Catia, Creo, ACAD, Solid Works), we design individual components and complete vehicles.

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### **Documentation**

We prepare maintenance manuals, schedules, LCC analyses and RAMS processes for smooth long-term operation of your trains.

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# Our core competencies

## Electrics, Controls & Software

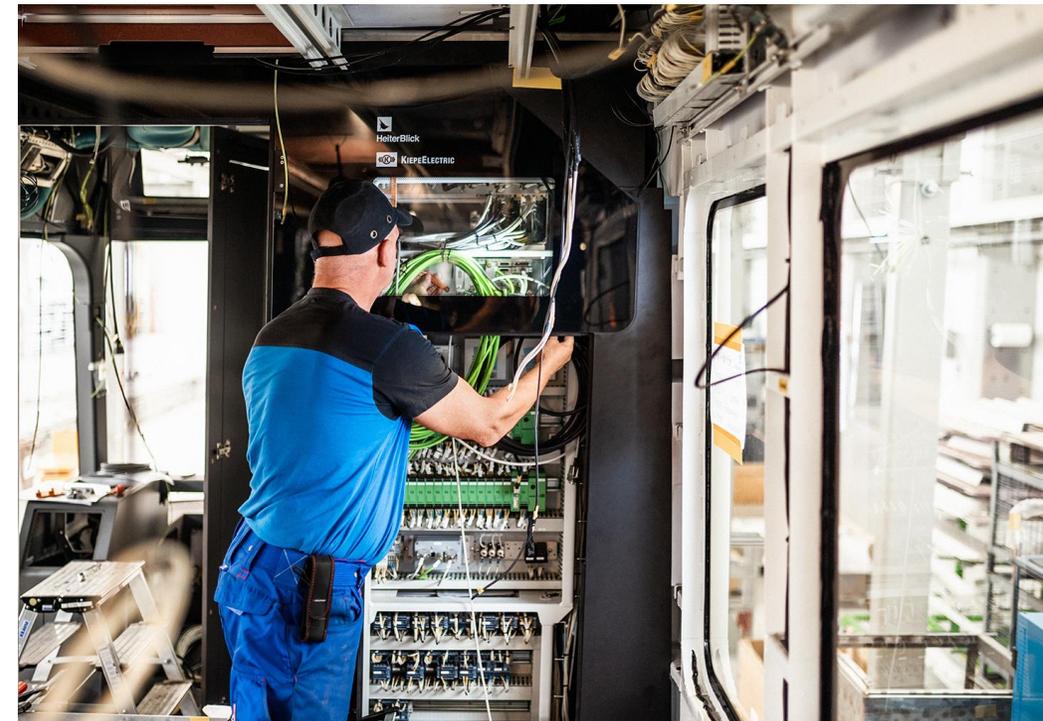


### Pioneering technologies

Benefit from our expertise in the electrical, control & software domains – for functional vehicle concepts, Ethernet-based TCMS using TRDP, IT security, implementation and validation.

### Specialist services

- Vehicle conception & system engineering
- Electrical & Circuit Diagram
- Controls & Software
- Testing & Validation & Commissioning
- Energy management
- Vehicle diagnosis & fault evaluation



**Our certificates: EN 5012x/EN 50657 • ISTQB**

# Our core competencies

Electrics, Controls & Software



## Vehicle conception & system engineering

Whether for developing subsystems or technical support for the EMC & earthing concept: we have experts and project managers for all disciplines.

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## Controls & Software

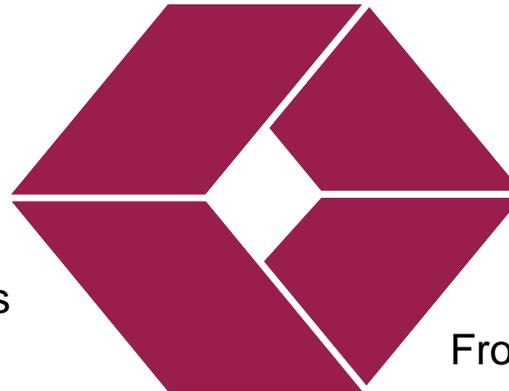
We specify, program and test the entire control system. In doing so, we pay particular attention to security, which we demonstrate with our standard compliant processes.

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## Electrical & Circuit Diagram

We support you in the design and selection of electrical components and cables including component system and database maintenance in Zuken E<sup>3</sup> and EPLAN P8.

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## Testing & Validation

We use multi-stage testing process. From the software to the vehicle level according to development process based on V-model.

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# Our core competencies

## On-site engineering



### Capacities & competencies for your work

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Do you want to temporarily add competencies or deal with peaks in order to be able to meet your project or company goals?

We can help you in this with our qualified employees at the highest level and in all disciplines that you need.

### Services

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- Technical Project Management & PMO
- Engineering on site or remotely
- Construction supervision, commissioning & vehicle acceptance
- Maintenance development & Fleet Management (ECM)



# Our core competencies

## On-site engineering



### **Technical Project Management & PMO**

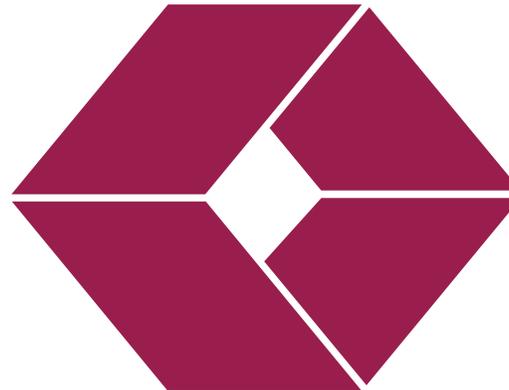
We provide personnel having the right balance between context, social and technical competencies.

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### **Engineering on site or remotely**

We can easily and flexibly integrate the system competencies of our employees into your projects.

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### **Construction supervision, commissioning & vehicle acceptance**

Whether prototyping, testing or quality control, our experts accompany your vehicles in Germany and Europe.

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### **Maintenance development & fleet management**

We also further develop and optimise your vehicles during operation along with your operational processes.

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# Our customer list

These companies trust us



**ALSTOM**



**BERNMOBIL**  
ZUSAMMEN UNTERWEGS



**GMEINDER**  
LOKOMOTIVEN

**HARSCO**



**HeiterBlick**



**SIEMENS**

**SOB SÜDOSTBAHN**

**STADLER**



**vossloh**



**zb Die Zentralbahn.**

# Now the ball's in your court!

We look forward to breaking new ground with you.



## Feel free to contact us!

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