



We are cideon engineering

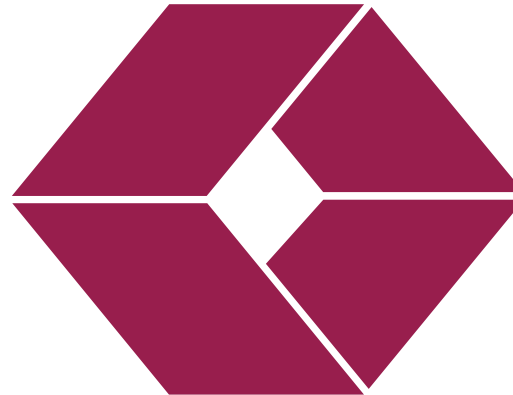
A think tank for rail vehicles



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

Over **30 years of experience** in the rail vehicle sector

Certified to DIN ISO 9001, 14001, DIN EN 15085-2, DIN 6701-2, EN 5012x/EN 50657, ISTQB, and IPMA



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

Certified **experts** with the EBA/BAV Inspectors for NoBos and DeBos

130 employees

12 million euros in annual revenue

We are cideon engineering

30 years of experience in the rail industry



**1992
FOUNDING**
IKB Engineering
and Design Office,
LLC

**2002
NAME CHANGE**
to CIDEON
Engineering
GmbH

**2008
OPENING**
Branch offices
in Basel &
Leipzig

**2016
INTEGRATION**
into CRCCE

**2018
PORTFOLIO
EXPANSION**
through the
Electrical, Control
Systems &
Software division
in Chemnitz and
Dresden

**2023
CERTIFICATE**
ECM2

**2025
OPENING**
Wiesbaden
Branch:
Focus on
infrastructure
projects in
the rail sector

**1995
CERTIFICATION**
to ISO 9001

**2001
CERTIFICATION**
as an inspection
agency and certified
welding company

**2003
OPENING**
Chemnitz Branch

**2013
INTEGRATION**
at Friedhelm
Loh Group

**2022
ANNIVERSARY**
30 Years of
cideon
engineering

**2024
CERTIFICATE**
ISO 14001

**2026
Relocatio
and
expansion
of the
Chemnitz
site
expansion
with a
production
hall**

1990



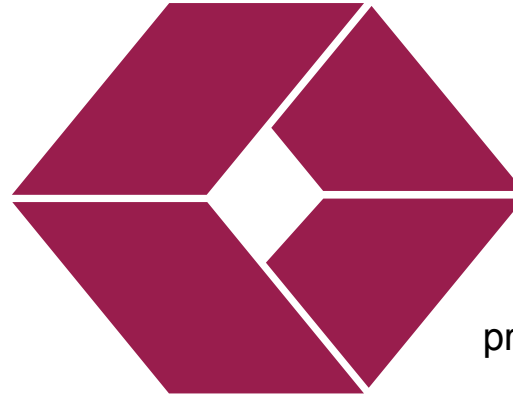
Vehicle Design & Systems Engineering

Whether it's the development of subsystems or technical support for EMC and grounding concepts: we have experts and project managers for all disciplines.

Software

We specify, program, and test the entire control system. In doing so, we pay special attention on safety, which we verify through our standards-compliant process.

Electrical Systems & Schematics We provide support for both the design and selection of electrical components and cables, including component catalogs and database maintenance, in both Zuken E³ and EPLAN P8.



Testing & Validation

We conduct testing using a multi-stage process, ranging from the software level to the vehicle level, in accordance with the V-Model development process.



Consulting

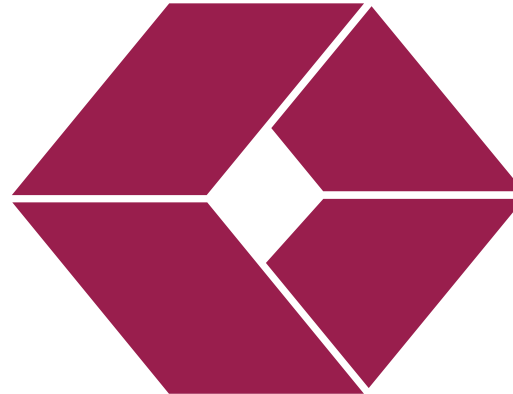
Your problems are our business. We find practical solutions that work—from the start of the bidding process to the completion of the approval process.

Electronics & Software

We understand the technologies that will shape the industry in the future. Benefit from our expertise in innovative propulsion systems, TCMS, and ETCS.

Mechanics

Rail vehicles are highly complex systems. Our expertise covers the entire spectrum of development.



On-Site Engineering

Flexible solutions for your challenges. We support you with our team's expertise and the methods that work best for you.

We are cideon engineering

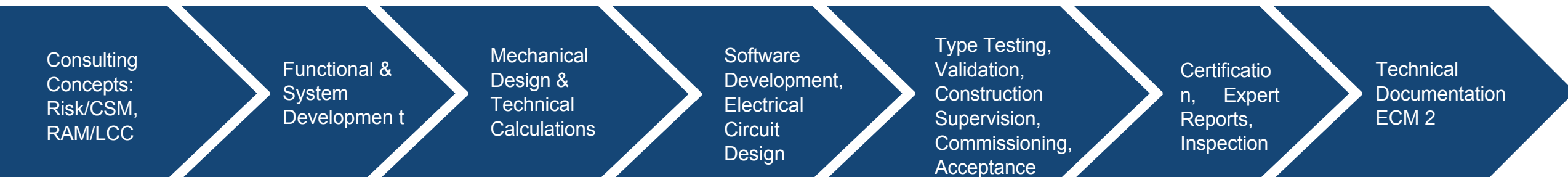
The Enablers



Making Mobility Happen

The rail industry is undergoing numerous technical innovations: international control systems, modular freight cars, and new energy-efficient propulsion concepts. This presents operators with new challenges. This calls for experts with experience. From concept and design to certification—with our expertise, we change the way you view your challenges.

Product Life Cycle for New Development and Modernization



Our Core Competencies

Consulting



Keeping the Train Rolling

Your problems are our business. We're a team of rail vehicle specialists who step in when the going gets tough. We find practical solutions that work—whether it's quality assurance or certification.

Services

- System Engineering & Project Planning
- Bid Support
- Expert Reports & Inspections
- Approval Support



www.cideon-engineering.com

Our Certifications: IPMA



System Engineering & Project Planning

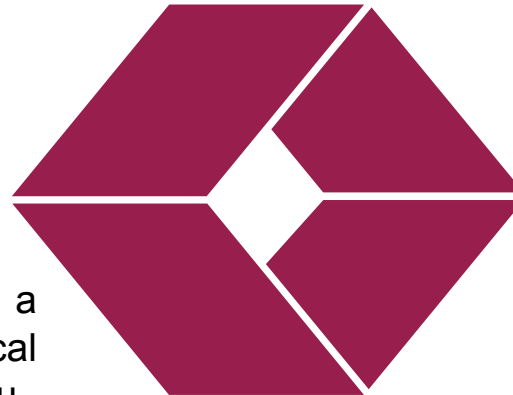
We handle system definition and vehicle layout, as well as requirements and technical project and supplier management.

Expert Reports &

Inspections We have independent experts and inspectors for NoBos and Debos. This also includes accident assessments and acceptance inspections.

Bid Support

Whether it's a requirements specification or a technical specification—we formulate the technical requirements and performance parameters for you.



Registration Support

Our authorized experts support you through a peer-review process in preparing documentation for the official authorities.

Our Core Competencies

Mechanics



Holistic Approach

We develop vehicles and alternative transportation systems for you. Our expertise covers the entire development spectrum, including MKS, reverse engineering using 3D scanning, and 3D printing.

Services

- Project Planning
- Design
- Calculation & Verification
- Documentation



Our Certifications: DIN EN ISO 9001 • DIN EN 15085-2 • DIN 6701-2



Project Planning

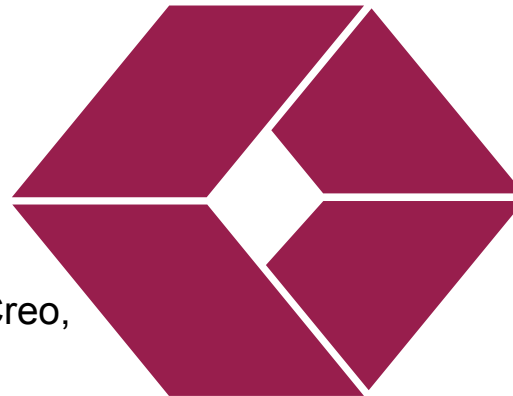
We keep track of the standards and regulations you must comply with in your operations. If needed, we use this information to create customized specifications for your partners.

Calculations & Verification

We perform calculations for rail vehicles regarding strength, derailment, braking, operational safety, envelope curves, and restrictions in accordance with currently applicable standards.

Design

Using standard CAD programs (Inventor, Catia, Creo, AutoCAD, SolidWorks), we design individual components and complete vehicles.



Documentation

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



Groundbreaking Technologies

Benefit from our expertise in the areas of electrical systems and software—for functional vehicle concepts, Ethernet-based TCMS using TRDP, IT security, implementation, and validation.

Specialized Services

- Vehicle Design & Systems Engineering
- Electronics & Circuit Diagrams
- Control Systems & Software
- Testing, Validation, and Commissioning
- Energy Management
- Vehicle Diagnostics & Fault Analysis





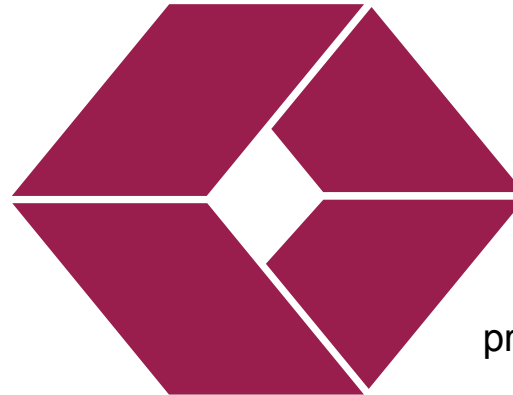
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Testing & Validation

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Our Core Competencies

On-site Engineering



Capacities & Expertise for Your Projects

Are you looking to temporarily supplement your workforce or handle peak workloads in order to achieve your project or business goals?

We can help with our highly qualified staff, who provide top-level expertise across all the disciplines you need.

Services

- Technical Project Management & PMO
- On-site or Remote Engineering
- Construction Supervision, Commissioning & Vehicle Acceptance
- Maintenance Planning & Fleet Management (ECM)



Our Core Competencies

On-site Engineering



Technical Project Management & PMO

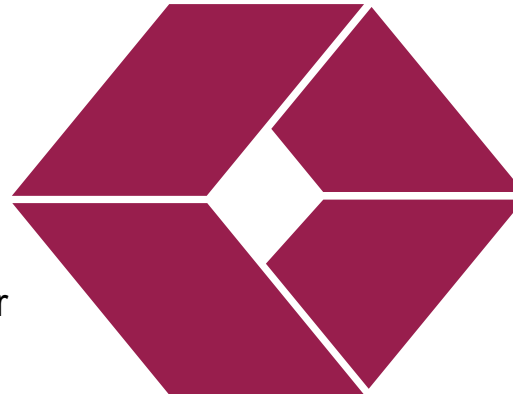
We identify candidates with the right balance of contextual, social, and technical skills.

Construction Supervision, Commissioning & Vehicle

Whether it's a prototype, testing, or quality control, our experts support your vehicles in Germany and across Europe.

On-site or Remote Engineering

We bring our employees' system expertise to your projects in a straightforward and flexible manner.



Maintenance Development & Fleet Management

Even during operation, we continue to develop your vehicles and work with you to optimize your operational processes.

Our Client List

The companies that trust us



ALSTOM

ARS
ALTMANN

BERNMOBIL
ZUSAMMEN UNTERWEGS

 **中国中车**
CRRC

DB

 **GLEISBAUMECHANIK**

GMEINDER
LOKOMOTIVEN

HARSCO



HeiterBlick


*matterhorn
gotthard bahn*

 **NETINERA**
EIN UNTERNEHMEN DER FS-GRUPPE

 **SBB CFF FFS**

SIEMENS

 **SÜDOSTBAHN**

STADLER

 **TUV NORD**

vossloh

 **VTG**

 **WINDHOFF**

 **Die Zentralbahn.**

Plasser & Theurer

www.cideon-engineering.com

 **ÖBB**

Now it's your turn!

We look forward to breaking new ground with you.



Contact us!

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