cideon engineering

making mobility happen

We are cideon engineering

4 sites in Germany, **one site** in Switzerland and **one site** in Spain

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

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

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

Accredited **assessors** with the EBA/BAV Inspectors for NoBos and DeBos

130 employees

€15 million annual turnover

We are cideon engineering

30 years' experience in the rail industry

1990

1992
FOUNDING OF IKB
Engineering and DesignOffice Ltd

1995
certification
to ISO 9001

2002
NAME CHANGE
to CIDEON Engineering GmbH

2001
ACCREDITATION
as anassessor & welding specialist company

2008
OPENING
Basel&Leipzig branches

2003
OPENING
Chemnitz branch

2016
INTEGRATION
into CRCCE

2013
INTEGRATION
into the FriedhelmLoh Group

2023
CERTIFICATE
ECM2

2018
PORTFOLIO EXPANSION
toinclude the Electrical & Software division

2026
EXTENSION
Chemnitz site with a production hall

2024
CERTIFICATE
ISO 14001
EcoVadis

We are cideon engineering
making mobility happen

Consulting
Your problems are our business. We find practical solutionsthat work – from the start of the tender process right through to the end of the approval process.

Electrical Systems & Software
We understandthe technologies that will shape the industry's future. Benefit fromour expertise in innovative propulsion systems, TCMS and ETCS.

Mechanics
Railvehiclesare highly complex systems. Our expertisecovers the entire spectrum of development.

On-Site
Flexible solutionsfor yourchallenges. We support you with ourteam's expertiseandthe methods that suit you best.

We are cideon engineering

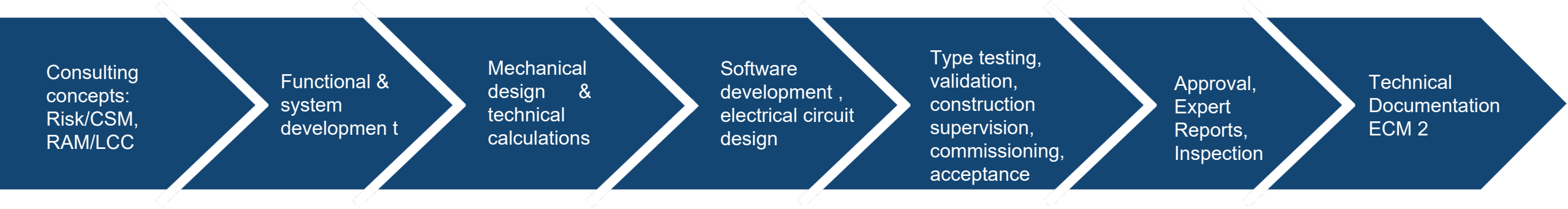
The enablers

making mobility happen

The rail sector isundergoing numerous technical innovations: international control systems, modular freight wagons, new energy-efficient propulsion concepts. This presents operators with new challenges.

This calls for experts with experience. From concept and design right through to type approval – with our expertise, we offer a fresh perspective on your challenges.

Product lifecycle for new developments and modernisation



Our core competencies

Consulting

Keeping the train on track

Your problems are our business. We're a team of rail vehicle specialists who step in when things get tricky. We find practical solutions that work – whether it's quality assurance or type approval.

Services

- System Engineering & Project Planning
- Tender support
- Expert reports & inspections
- Approval support

Our certificates: IPMA

Our core competencies

Consulting

System Engineering & Project Planning

We handlesystemdefinitionandvehiclelayout,as well asrequirementsmanagement,technicalproject management and supplier management.

Expert Reports &

Inspections We have independent expertsand inspectors for NoBos and Debos.This alsoincludes accident assessments and acceptance inspections.

Tender Support

Whether it's a specificationor a requirements document – we formulate the technical requirements and performance parameters for you.

Type-approval support

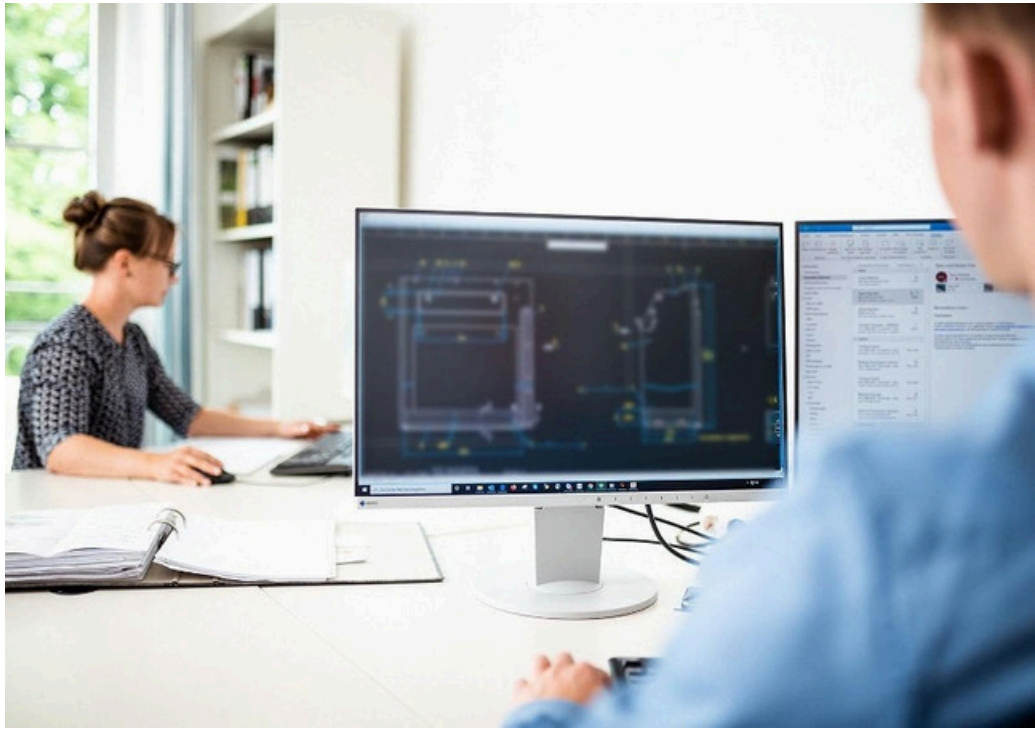
Our authorised assessors support you through a peer-review process in preparing documentation for the relevant authorities.

Our core competencies

Mechanics

Holistic approach

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



Services

- Project planning
- Design
- Calculation & Verification
- Documentation

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

Our core competencies

Mechanics

Project planning

We keep track of the standards and regulations you need to comply with in your operations. Where required, we use these to draw up tailor-made specifications for your partners.

Calculation & Verification

We carry out calculations for rail vehicles relating to strength, derailment, braking, running safety, envelope curves and restrictions in accordance with the currently applicable standards.

Design

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

Documentation

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

Our core competencies
Electronics &Software

Pioneering Technologies

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

Specialist services

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

Our certifications: EN 5012x/EN 50657 • ISTQB

Our core competencies

Vehicle Design & Systems Engineering

Whether it’s the development ofsubsystems or technical support for EMC and earthing concepts:we have experts and project managers for all specialist areas.

Software

We specify, programme and test the entire control system. In doing so, we pay particular attention to safety, which we demonstrate through our standard-compliant process.

Electrical Systems & Circuit Diagrams

Weprovide support with the design and selection of electrical components and cables, including component library management and database maintenance, in both Zuken E³ and EPLAN P8.

Testing & Validation

We carry outtesting using a multi-stage process, ranging fromthe software leveltothe vehicle level, in accordance with the V-Model development process.

Our core competencies
On-site engineering

Capacities & Expertise for Your Tasks

Do you need to temporarily supplement your expertise or cope with peak workloads in order to achieve your project or business objectives?
We can help with our highly qualified staff, delivering the highest standards across all the disciplines you require.

Services

- Technical Project Management & PMO
- On-site or remote engineering
- Construction supervision, commissioning & vehicle acceptance
- Maintenance planning & fleet management (ECM)

Our certificates: ECM 2

Our core competencies

Technical Project Management & PMO

Weprovide theright peoplewith therightbalanceof contextual, socialand technical skills.

Construction supervision, commissioning & vehicle acceptance

Whether it'sa prototype, testing or qualitycontrol, ourexperts support your vehicles in Germany and across Europe.

On-site or remote engineering

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

Maintenance Development & Fleet Management

Wecontinue to develop yourvehicles evenwhilst they are in operation and work with you to optimise your operational processes.

Our client list

The companiesthatplace their trust inus

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

SOB SÜDOSTBAHN

STADLER

TÜV NORD

vossloh

VTG

WINDHOFF

zb Die Zentralbahn.

Plasser & Theurer

ÖBB

Now it’s your turn!

We look forwardtobreakingnew ground with you.

Get in touch!

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