



Cem Dinc

Certified Expert Witness for Systems and Applications of Information Technology

Expert Witness | Software Systems | Embedded Systems | Automotive | E-Mobility | Cybersecurity

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DESAG Certificate: <https://www.desag.de/zertifikat/cemdinc/>

PROFESSIONAL PROFILE

Cem Dinc is a German Electrical Engineer, Certified Expert Witness (Sachverständiger), Software Architecture Professional and Software Quality Specialist with more than 20 years of experience in software-intensive systems, embedded electronics, automotive systems, e-mobility infrastructure, cybersecurity-related assessments and technical investigations.

Mr. Dinc specializes in the independent technical evaluation of software systems, embedded products, communication protocols, connected devices, cybersecurity incidents and product liability matters involving software and electronics.

His professional background combines software engineering, software architecture, software quality assurance, embedded systems development, root cause analysis, automotive engineering, technical investigations and expert assessments.

Throughout his career, he has supported complex technical investigations involving software defects, communication

EXPERTISE

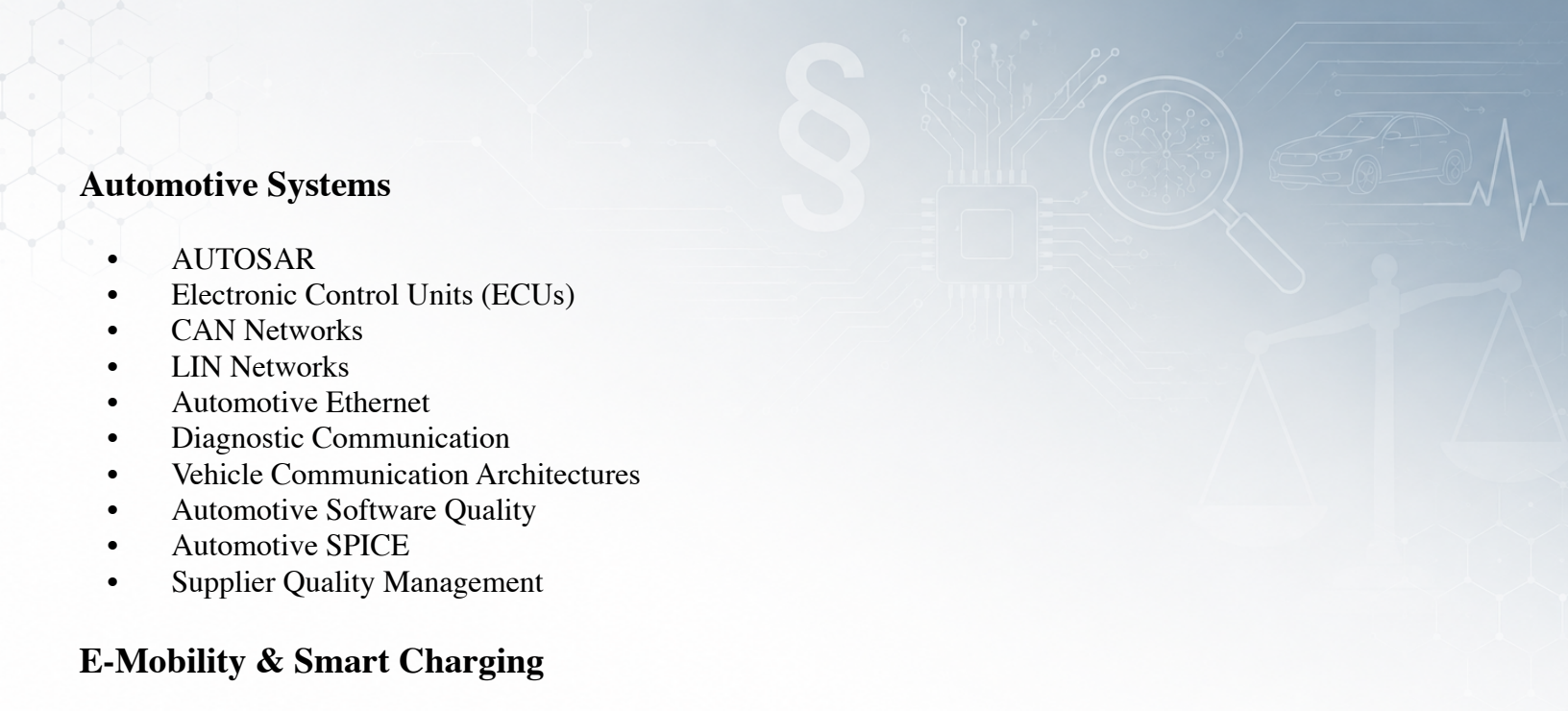
Software & Digital Systems

- Software Engineering
- Software Architecture
- Source Code Analysis
- Software Quality Assurance
- Software Testing
- Requirements Engineering
- Defect Analysis
- Root Cause Analysis
- Technical Due Diligence
- Software Liability

Embedded Systems

- Embedded Software
- Embedded Controllers
- Firmware Analysis
- Real-Time Systems
- Communication Protocols
- System Integration
- Hardware / Software Interaction
- Functional Safety Environments





Automotive Systems

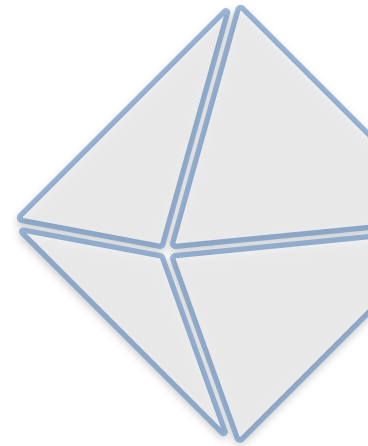
- AUTOSAR
- Electronic Control Units (ECUs)
- CAN Networks
- LIN Networks
- Automotive Ethernet
- Diagnostic Communication
- Vehicle Communication Architectures
- Automotive Software Quality
- Automotive SPICE
- Supplier Quality Management

E-Mobility & Smart Charging

- Charging Infrastructure
- Smart Charging
- Load Management
- OCPP
- ISO 15118
- Plug & Charge
- Charging Ecosystems
- On-Board Chargers
- Charging Communication Protocols
- Backend Charging Systems

Cybersecurity & Data Protection

- Cybersecurity Assessments
- Vulnerability Analysis
- Security-by-Design
- Data Leakage Investigations
- Connected Products Security
- IoT Security
- Payment System Security Reviews
- NIS2 Related Topics
- Security Incident Assessments
- Technical Risk Analysis



PROFESSIONAL QUALIFICATIONS

University Degree

Diplom-Ingenieur (FH), Electrical Engineering
University of Applied Sciences Dortmund, Germany

Professional Certifications

- **DESAG Certified Expert Witness**
Systems and Applications of Information Technology
- **iSAQB Certified Professional for Software Architecture (CPSA-FL)**
- **ISTQB Advanced Level – Test Manager**
- **ISTQB Certified Tester – Foundation Level**
- **intacs® Provisional Assessor (Automotive SPICE)**
- **IPC-A-610 Certified IPC Specialist**
- **CAN Communication I-IV**

REPRESENTATIVE TECHNICAL INVESTIGATIONS

Due to confidentiality obligations, client names and proprietary information cannot be disclosed.

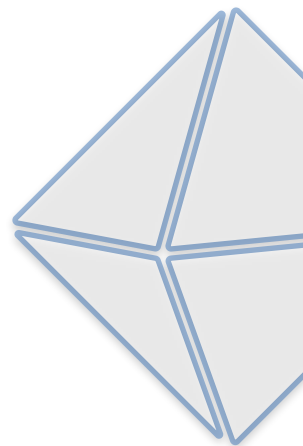
Smart Metering Infrastructure Investigation

Independent technical investigation involving software systems, embedded devices, communication infrastructures and system integration issues.

Estimated commercial impact exceeding €18 million.

Activities included:

- Technical failure investigation
- Software-related defect analysis
- Communication assessment
- Root cause determination
- Evaluation of technical responsibilities



E-Mobility Infrastructure and Legal Metrology Investigation

Technical investigation involving charging infrastructure, communication protocols, software systems and legal metrology compliance requirements.

Estimated commercial impact exceeding €12 million.

Activities included:

- Analysis of charging communication behaviour
- Assessment of software functionality
- Technical compliance evaluation
- Investigation of system interactions
- Technical risk assessment

Automotive ECU Field Investigation

Technical investigation involving large-scale field failures affecting more than:

200,000 electronic control units (ECUs)

Activities included:

- Failure analysis
- Root cause investigation
- Supplier quality evaluation
- Corrective action assessment
- Technical risk evaluation

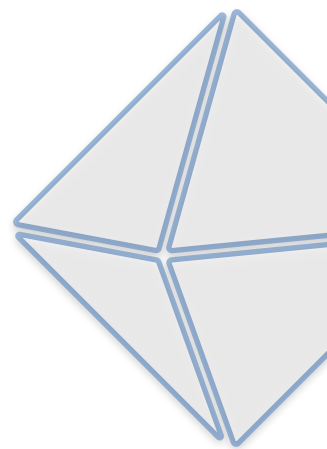
Data Leakage and Security Assessments

Technical assessments involving:

- Connected products
- E-Mobility ecosystems
- Backend systems
- Payment-related infrastructures
- Cloud-connected services

Activities included:

- Identification of potential data leakage scenarios
- Assessment of communication interfaces
- Security reviews
- Vulnerability analysis
- Technical risk evaluations



PROFESSIONAL EXPERIENCE

Owner & Expert Witness

DiNC-Positive | Germany

2025 – Present

- Technical expert assessments
- Product liability investigations
- Software liability assessments
- Root cause investigations
- Technical consulting
- Quality and process assessments

Head of Quality & ASPICE Consultant

Mennekes Elektrotechnik GmbH & Co. KG

2021 – Present

Responsible for software and electronics quality within e-mobility and charging infrastructure environments.

Key activities:

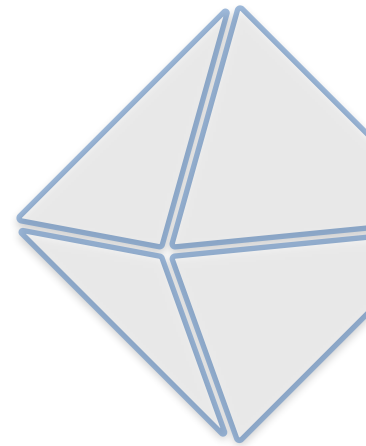
- Quality leadership
- Technical investigations
- Escalation management
- Supplier management
- Smart Charging
- OCPP
- ISO 15118
- Plug & Charge
- System-level problem solving

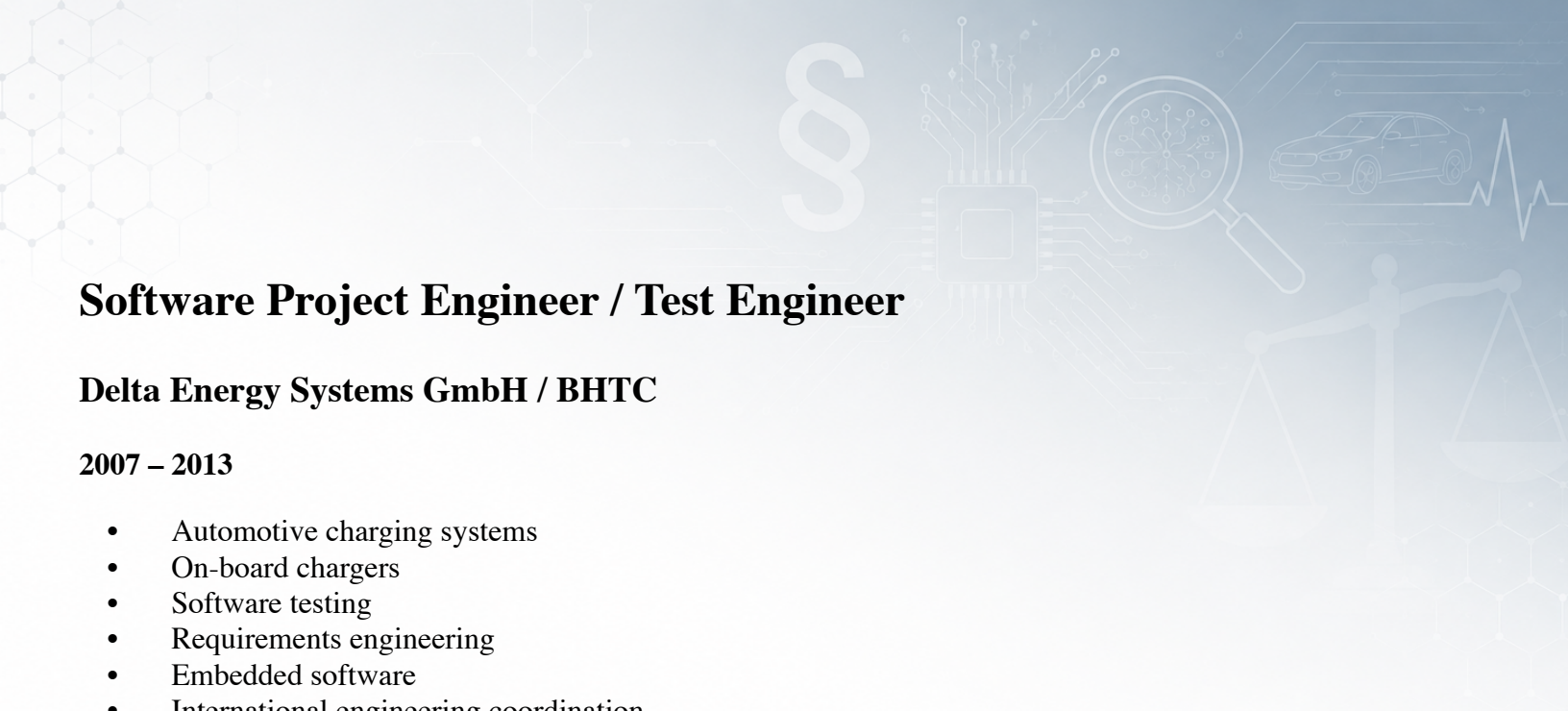
Quality Engineer / ASPICE Lead

Insta GmbH

2013 – 2021

- Software quality management
- ASPICE implementation
- Quality assurance
- Test strategy development
- Audits and assessments
- Embedded systems quality





Software Project Engineer / Test Engineer

Delta Energy Systems GmbH / BHTC

2007 – 2013

- Automotive charging systems
- On-board chargers
- Software testing
- Requirements engineering
- Embedded software
- International engineering coordination

Embedded Software & Hardware Development

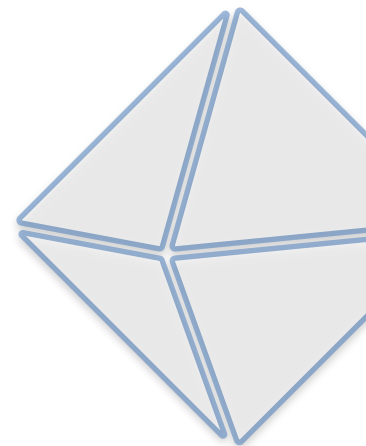
Delphi Automotive

2004 – 2007

- Embedded software development
- Automotive electronics
- Hardware-near software development
- Electronic systems testing

INDUSTRY EXPERIENCE

- Automotive
- E-Mobility
- Smart Metering
- Industrial Electronics
- Smart Home Systems
- IoT Products
- Energy Systems
- Charging Infrastructure
- Embedded Systems
- Software Platforms
- Connected Products



EXPERT WITNESS SERVICES

- Software Disputes
- Source Code Analysis
- Software Defect Investigations
- Product Liability Matters
- Technical Expert Reports
- Technical Root Cause Analysis
- Cybersecurity Assessments
- Data Leakage Investigations
- Embedded Systems Assessments
- Software Architecture Reviews
- Technical Due Diligence
- Independent Technical Opinions

PROFESSIONAL MEMBERSHIPS

DESAG – Deutsche Sachverständigen Gesellschaft mbH

Registered Expert Witness for:

Systems and Applications of Information Technology

Membership Number: **E/251001**

DESAG Certificate: <https://www.desag.de/zertifikat/cemdinc/>

LANGUAGES

German – Native

English – Professional Working Proficiency

DECLARATION

I confirm that the information contained within this Curriculum Vitae accurately reflects my professional qualifications, certifications and experience.

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