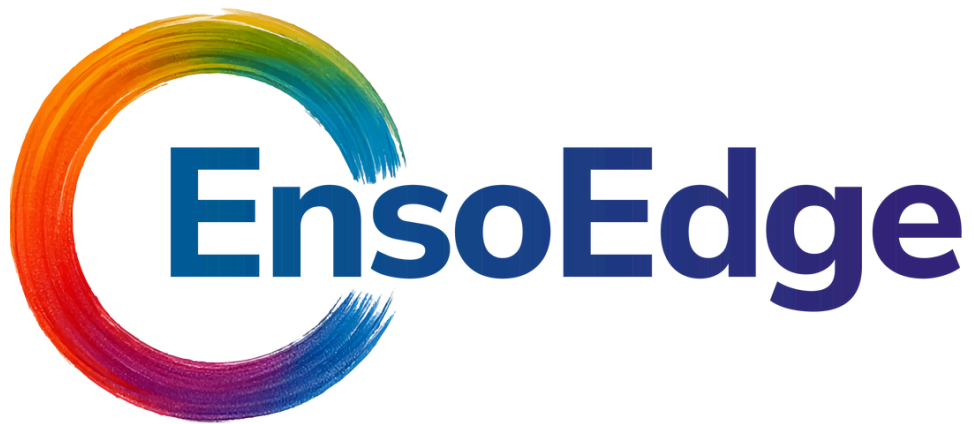




TRANSFORMING CHALLENGES
INTO OPPORTUNITIES!



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About Us.

Introduction

The consultancy has a tailored approach rooted in deep industry insight.

At EnsoEdge, we aim to help navigate complex technical challenges—ensuring your business thrives in today's demanding regulatory and geopolitical landscape.

We are more than just words, we work as partners committed to empowering/up skilling your teams through training and hands-on support.

The Founder



HELMUT J. KARRASCH

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MANAGING DIRECTOR

The founder, Helmut J. Karrasch has an engineering degree in Building Physics from Germany and over 20 years of global experience at the Commercial Vehicles manufacturer Daimler, Germany followed by the Swiss National Accident Insurance Fund SUVA, Lucern, Switzerland.

Helmut brings rare cross-industry expertise that blends German engineering with skills required for global collaboration and execution.

Over the years, he has developed deep relationships with top engineering talent across different regions and can provide support during critical business scenarios such as setup, product development, expansion and/or downsizing.

Given the fast paced nature of the evolving business landscape, the firm can help develop bespoke solutions for your specific needs, be it related to existing business or those related to setting up a new manufacturing or production facility.



Mission & Vision.

MISSION

- To deliver bespoke solutions rooted in deep industry insight helping companies achieve goals and operational excellence.

VISION

- To help companies transform complex technical challenges into strategic opportunities, empowering businesses to thrive in a demanding geopolitical landscape.



Key Service Areas

AUTOMOTIVE INDUSTRY

- Product Development lifecycle management
- Testing & Quality Assurance
- Customer support

HEALTH SAFETY & ENVIRONMENT

- Develop Management systems for implementation
 - Environment Management System
 - Occupational Health & Safety Management System
- Regulatory Compliance
- Risk Assessments



ACOUSTICS & BUILDING PHYSICS

- Noise assessments, workplace, environment related projects, e.g.,:
 - Noise survey
 - Risk Evaluation
 - Noise reduction & mitigation recommendations
 - Monitoring process development
- Thermal & Energy performance
- Moisture & Durability
- Acoustic comfort
- Indoor Environmental Quality (IQE)

PROJECT MANAGEMENT FOR ALL SERVICE AREAS

- End-to-End lifecycle management
 - Technical feasibility studies
 - Strategic planning & execution
 - Regulatory compliance guidance
 - Safety system design
 - Team coordination & leadership
 - Risk assessment & mitigation
 - Quality assurance & control
 - Process optimisation

TRAINING & DEVELOPMENT

- Technical skills development
- Technical leadership training
- Process improvement workshops
- Compliance training programs



Founder's Industry Experience



Global NVH Optimisation and Acoustic Innovation - Germany

From 2001 to 2014 at Daimler Buses GmbH, Germany, helped safeguard and improve the NVH (Noise, Vibration, and Harshness) performance of three commercial vehicle model ranges.

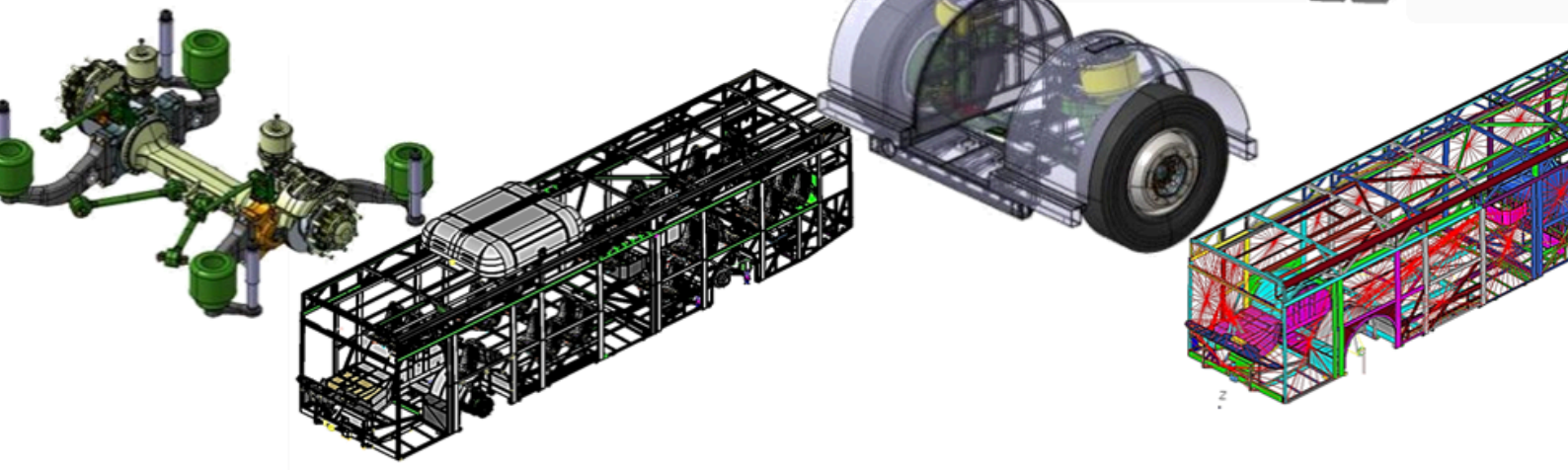
The Project was to develop and implement a new insulation strategy to delivered measurable improvements in functionality, cost reduction, safety, and constructibility - secured with a patent.

Industry: *Automotive / Commercial Vehicles*

Duration: *2001 – 2014*

Result:

- Enhancing acoustic performance, customer satisfaction, and cost efficiency through innovative NVH strategies.
- Successful NVH safeguarding and improvement across three model ranges.
- Patent achieved for innovative insulation strategy.
- Significant gains in cost efficiency, safety, and customer satisfaction.
- Strengthened global collaboration via an international acoustic working group.



Automotive Engineering & Product Development - India

From 2014 to 2019 helped lead – Product Engineering, with responsibility for prototyping, testing, and homologation. Helped lead and develop a team of 25 prototyping and testing professionals to achieve business goals while ensuring efficiency across departments.

Key initiatives included the introduction of a standardised global testing checklist, database and driver licensing methodology, streamlined processes and ensuring worldwide consistency. Beyond testing, led a cross-functional collaboration for the coach platform, coordinating with more than 50 engineers to secure successful product outcomes.

The above also required oversight of the type approval and the homologation team ensuring full compliance for all Indian bus products.

Industry: *Automotive / Commercial Vehicles*

Duration: *2014 – 2019*

Result:

- Driving Prototyping, Testing, and Customer Orientation
- Recruited and trained prototyping & testing team.
- Introduced global standards for testing checklists, databases.
- Coordinated with 50 engineers for the development of a coach platform in India.
- Ensured compliance of all Indian bus products through type approval & homologation.
- Strengthened customer focus by driving customer-oriented initiatives.



Advancing Occupational Safety and Acoustic Health Standards - Switzerland

From 2019 to 2022 helped his Swiss employer develop long-term strategies to align with the organisation's new corporate direction. Led a specialised acoustics team, the work included consulting 130,000 insured companies—20,000 of which had noise-related hazards—and conducted approximately 300 annual assessments on occupational diseases and accidents.

Key contributions included the design and delivery of training programs and technical publications on “Noise and Vibrations in the Workplace,” enhancing awareness and knowledge across industries. Collaborated with occupational medicine specialists and the regulator. These efforts significantly elevated the capacity to improve compliance, reduce risks, and foster a stronger culture of workplace safety.

Also received Certification as a Safety Engineer (EKAS) and ASGS Expert.

Industry: Occupational Safety & Health / Acoustics

Duration: 2019 – 2022

Result:

- Developed & executed long-term acoustics strategy aligned with corporate direction.
- Consulted 130,000 insured companies and conducted 300+ assessments annually.
- Delivered training programs and technical publications on workplace noise & vibrations.
- Earned certifications as ASGS Expert and EKAS Safety Engineer.
- Improved cost efficiency, compliance, and operational performance.



Empowering Professionals through Technical Trainings, Mentoring, and Workshops - Germany, India and Switzerland

From 2001- Present, conducted numerous programs, including:

- Workshops on Noise and Vibration in Vehicles for engineers and technicians.
- Mentoring and coaching of young engineers in prototyping, testing, and homologation.
- Technical trainings on Occupational Health & Safety for improving compliance and awareness across industries.
- Leadership initiatives such as customer orientation workshops.

All of these integrated real-world case studies, practical demonstrations, and interactive methods, ensuring knowledge transfer is not only technical but also inspiring and actionable.

Industry: Automotive / Commercial Vehicles / Occupational Safety & Health

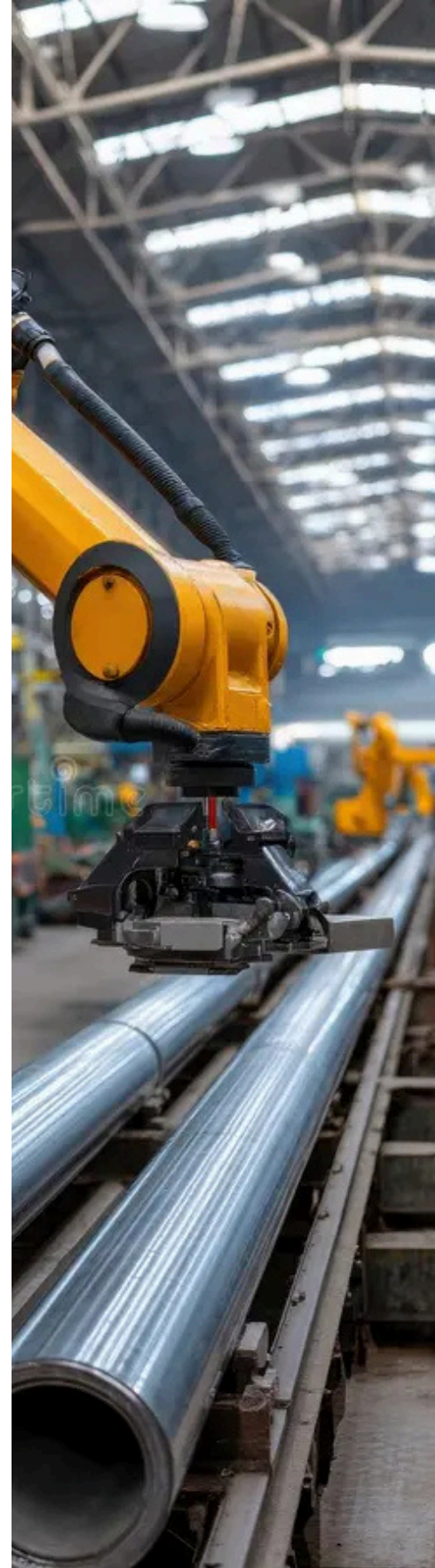
Duration: 2001 – Present

Result:

- Delivered training to engineers, technicians, and managers across three continents.
- Mentored and built teams, fostered technical knowledge and technical leadership.
- Standardised testing and safety practices for global adoption
- Compliance training and awareness.
- Translating complex engineering and safety concepts into clear, engaging learning formats.

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