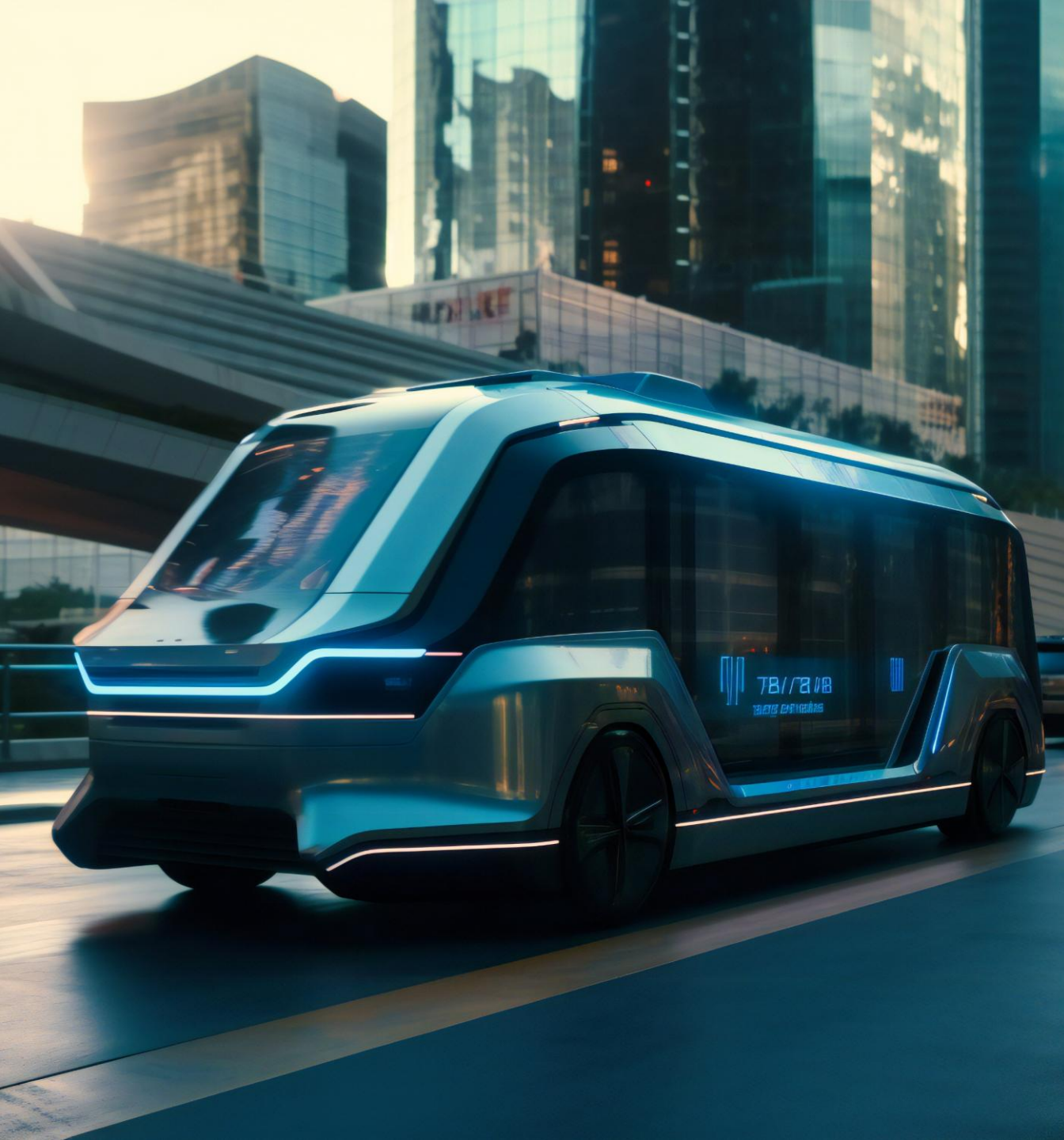


Mobility Innovation Insights





Mobility Innovation Insights

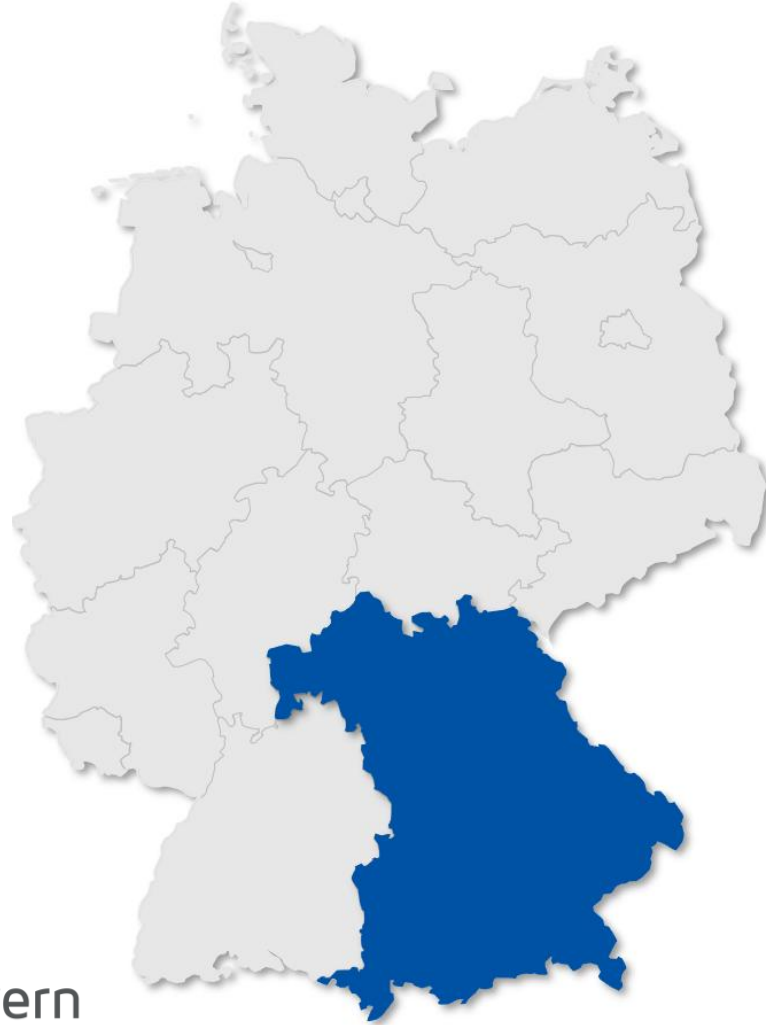
New ideas need visibility!

As a mobility network, we support companies in advancing innovation and new approaches. Our goal is to create a space for companies, academia, and public sector stakeholders to facilitate networking and exchange among a wide variety of interest groups and to enable collaborative partnerships.

With our “Mobility Innovation Insights”, we offer our network partners the opportunity to raise the visibility of their innovative products, services, and developments and to showcase them to a broad network across entire value chains.

Join us in shaping the future of mobility and turning innovation into reality!

Partner Overview



4screen - The Driver Interaction Platform

The world's first ever driver interaction platform, connecting brands with drivers

Technology description

4screen is the world's first Driver Interaction Platform, connecting drivers and businesses in real time, directly inside the vehicle. By integrating into the car's digital environment, 4screen leverages vehicle data to enrich the in-car experience with contextual, real-time content. Thanks to its agnostic architecture, the solution is seamlessly integrable, secure, privacy-compliant, and compatible with all major operating systems. It enables automakers to unlock new digital business models while enhancing the driver experience through relevant information delivered exactly when it's needed. For advertisers, 4screen opens a powerful new marketing channel with exclusive access to OEM screens — offering unmatched visibility right inside the car.



What's in it for you?

4screen adds value to the entire stakeholder system:

- **Automakers:** A scalable, digital revenue model – monetizing screens across the entire fleet and vehicle lifecycle.
- **Brands:** A new, high-intent marketing channel – reaching millions of drivers when it matters most.
- **Drivers:** Timely, relevant, useful information, enhancing navigation and experience.

Why work with us?

4screen is the pioneer and category leader in driver interaction, with exclusive access to car operating systems—an unmatched level of integration. Unlike mobility media, automakers, or big tech, 4screen provides direct in-car access, full targeting, and measurability at scale. As the leading exclusive gateway for in-car visibility, it supports not only advertisers but even OEMs themselves for campaigns like dealership promotions and in-car engagement.

Aimtec SCIx — Extension of the SAP system

Streamline processes throughout the Digital Factory

Technology description

Aimtec SCIx works exclusively within the standard SAP system, it ensures easy configurability and it doesn't litter a system with disjointed changes. This is a centralised system, but with the ability to configure local specifics for individual plants.

Its compatibility with all of the available SAP system variants enables you to fully harness the potential of this ERP.



What's in it for you?

- Aimtec SCIx simplifies SAP usage with ergonomic operation and logical transaction arrangement for error-free work.
- All data available centrally, without additional systems or duplicate data maintenance, facilitates the consistency of your data.
- Sustainable SAP extension through configurable processes based on SAP standards, without development effort.

Why work with us?

- Aimtec has been supporting the industry in its digital transformation for 28 years.
- Focus on digitalization and automation of production, logistics and supply chains.
- Goal: Aimtec's added value lies not only in the implementation of standardized and efficient solutions, but above all in the high level of consulting skills and know-how that it passes on to its customers.

LOGifyer B2

Efficient data acquisition and real-time analysis of ADAS/AD measurement data

Technology description

The LOGifyer B2 from b-plus is an advanced hardware and software solution for the automotive industry, efficiently capturing, storing, and analyzing real-time measurement data. The system requires minimal integration effort and facilitates the development and validation of ADAS, AD, and off-highway applications. Its user-friendly and intuitive interface provides optimal support for users.



© b-plus GmbH

What's in it for you?

- Intuitive Usability
- Hardware and software from a single source
- Easy integration
- Time synchronization

Why work with us?

- 28 years of experience in ADAS/AD and off-highway applications.
- Extensive interface expertise and technology-driven solutions.
- Robust, high-quality hardware for in-vehicle use.
- AD Validation Toolbox fully supports data-driven development.

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csi entwicklungstechnik GmbH

Vision T. - an innovative door panel

A forward-looking and sustainable concept –
lightweight, modular and recyclable

Technology description

Together with our partners Eissmann Individual, JOYSONQUIN, Xtra Dynamics and Taracell AG, we present an innovative door panel that has a complex structure due to different materials and safety requirements. In doing so, we demonstrate how functionality, design and sustainability can be harmoniously combined through lightweight concepts. We have chosen the door because we are convinced that vehicle doors will remain relevant in the future.



What's in it for you?

- New opportunities for design, functional integration and sustainability in the mobility industry, as well as other industries
- Modular cradle-to-cradle design
- Weight savings and less volume
- Reduced tool use
- A wide range of materials possible

Why work with us?

- Innovative strength and know-how
- Individual solutions
- Quality and reliability
- Interdisciplinary team
- Cooperative partnership
- Sustainability and responsibility



Our references



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csi entwicklungstechnik GmbH

IMSE® - In-Mold Structural Electronics

Pioneering technology for an innovative and sustainable HMI solution

Technology description

For IMSE-based® engineering services, we cooperate with the Finnish company TACTOTEK Combined with our strengths in the areas of mechanics, lightweight construction, lighting and electronics, IMSE® technology sets new standards in design, functional integration and weight reduction. The In-Mold Structural Electronics (IMSE)® technology makes it possible to integrate electronics directly into plastic surfaces.



© 2025 csi-Gruppe

What's in it for you?

- Unique, flexible design with light weight and size
- Fewer parts and tools lead to reduced inventory
- Minimal installation and low operating costs
- Reliable capacitive switch with no moving parts
- Environmentally friendly manufacturing process with less waste

Why work with us?

- Expertise from the automotive industry
- Single source design and project management expertise
- Individual solutions
- Flexibility and adaptability
- Cooperative partnership



Our references

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Testing and validation of high-voltage batteries

E-mobility holistically designed

Technology description

The DRÄXLMAIER Group develops complex wiring systems, exclusive interiors, and innovative mobility solutions for premium automotive manufacturers worldwide. Since 2009, the company has been developing high-voltage battery systems in-house and producing them in series.

As an integral part of the technology center, the supplier operates a state-of-the-art testing and validation center at its headquarters in Vilsbiburg. Covering an area of approximately 3,000 m², the facility features cutting-edge equipment and technologies for comprehensive testing and validation of high-voltage battery systems and their components.



What's in it for you?

- Innovative solutions for the electrification of mobility: From modular high-voltage charging systems and battery electronics to contact and connector systems, as well as powerful high-voltage batteries.
- Expertise along the entire process chain: From the development of initial prototypes and specialized solutions to testing in in-house laboratories and dedicated test benches, all the way to industrialization and series production.

Why work with us?

- Integrated testing and validation center at the headquarters in Vilsbiburg
- Fully equipped with endurance test benches, salt fog and dust chambers, battery shakers, and an EMC hall
- In-depth expertise ensures the highest quality and reliability

LeanDRA

Lean Back. Move Forward.

Technology description

LeanDRA transforms series-production vehicles into test vehicles within minutes and offers a modular all-in-one solution for development and validation. The central hardware in the trunk controls all vehicle functions and can be integrated via plug-and-play. Additional functions such as engine start and gear selection can be controlled, and all relevant data is recorded with high precision.



© e:fs TechHub GmbH

What's in it for you?

- Easy installation and communication via CAN/Ethernet
- Safety system for monitoring the vehicle and system
- Control of all vehicle functions, including gear changes and lights
- Maximum dynamics and high-precision trajectory sequence
- ROS interface for in-house development
- Cost-efficient overall solution

Why work with us?

- Extensive customization and engineering services
- Perfect alignment of the LeanDRA system with customer needs
- Integration of state-of-the-art technologies for future-proof solutions
- Optimization of development processes for maximum efficiency

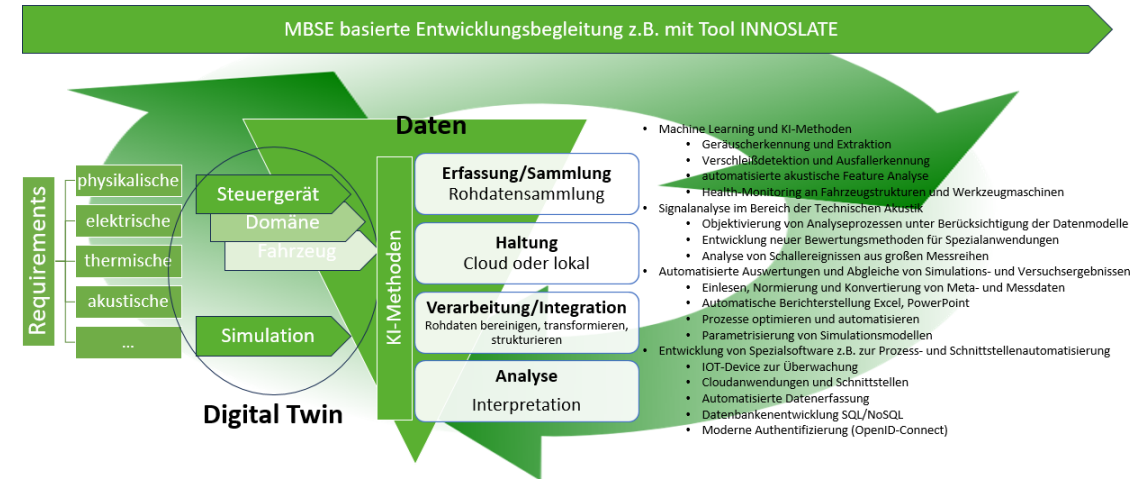
AI DataTronic Analytics

A virtual system turns complex scopes and requirements into manageable chains of effects

Technology description

The model-based system engineering model supports the development through machine learning and AI methods for noise detection, wear detection and automated acoustic analysis. In addition, it enables objective signal analysis in technical acoustics as well as the development of new evaluation methods and automated evaluations. It also optimizes processes through automatic reporting and the development of specialized interface automation software.

AI DATATRONIC ANALYTICS



© EVO-GmbH 2024

What's in it for you?

- Faster analysis of relationships and dependencies
- Efficiently test and summarize results
- Accelerate the development of better solutions

Why work with us?

- Competence in system integration of highly complex, manual, (partially) automated methods and systems
- Experience in optimizing processes through automated evaluations and reporting in various applications
- Networked collaboration with established, competent teams
- Optimization of processes through automated evaluations and reporting

I-TS

Bi-directional DC test power supplies with 1500V DC and outputs up to the MW range

Technology description

As a bi-directional test power supply, the I-TS covers the voltage range up to 1500V DC and outputs up to 1.6 MW. Applications include testing and simulating batteries and fuel cells. Due to the high voltage level, it is also particularly suitable for the new requirements in the field of MCS for commercial vehicles.



© Gustav Klein

What's in it for you?

- Wide voltage range from 10 – 1500 V DC
- High available power, up to 1.6 MW due to parallel connection
- High available currents up to 3200 A
- Ideally suited for new requirements in the high-performance range
- Ideal for testing new applications with high power requirements

Why work with us?

- Over 75 years of experience as a manufacturer of industrial power solutions
- Over 400,000 systems delivered to 105 countries
- 15 years of e-mobility experience
- In-house development and flexibility for customer-specific solutions
- Long service life and reliability through internal value creation

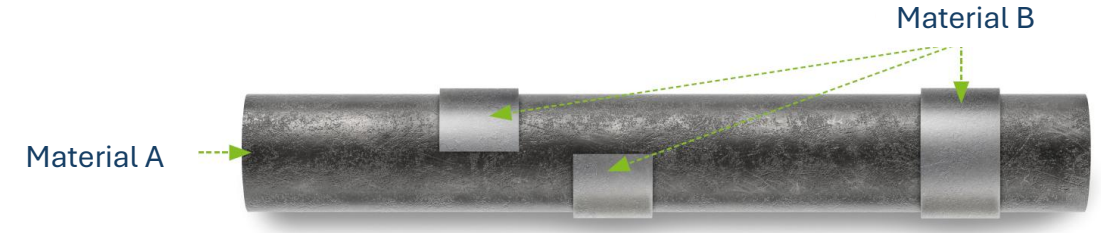
Hybrid semi-finished product

Exploiting the full potential of application-specific material combinations with the help of additive manufacturing processes

Technology description

The combination of traditional manufacturing processes with additive technologies to create hybrid components enables the integration of different material properties. This method is ideal for components that require different materials, have locally varying properties, or require complex geometries that can only be created with high material loss or additional cost.

An example of a semi-finished product



© LSV Lech-Stahl Veredelung GmbH

What's in it for you?

- Production steps can be omitted under certain circumstances, e.g. case hardening of gears.
- Specifics and geometries are possible that cannot be implemented conventionally or cannot be produced economically.
- High flexibility and cost-efficiency even with low production volumes.

Why work with us?

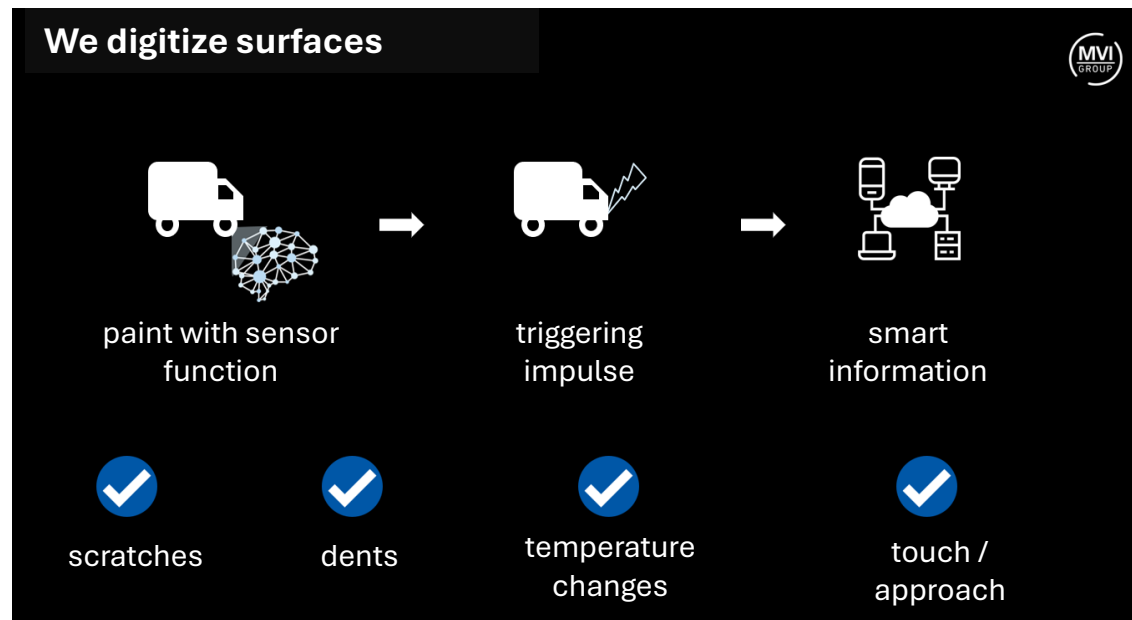
- Materials experts in the steel sector.
- Know-how carriers in the processes of steel finishing.

SensorCoatIQ

Smart paint for detecting defects on surfaces

Technology description

The smart paint can be applied to any surface, such as metal or plastic, or applied as a foil. The paint can be used to detect scratches, dents and temperature changes, as well as touches and approaches to surfaces, in order to inform downstream business processes.



© 2024 MVI Group

What's in it for you?

- Surfaces of objects often need to be sealed, for visual reasons or to prevent corrosion.
- Physical impulses must be monitored in order to enable new business models.
- Smart paint makes it possible to collect a lot of information about objects and surfaces without having to invest in additional sensor technology.

Why work with us?

- Surface monitoring is relevant for many industries.
- Smart paint can be used where surface monitoring is difficult or requires a lot of personnel.
- Successful pilot studies for numerous use cases and industries have already been implemented.

Contact

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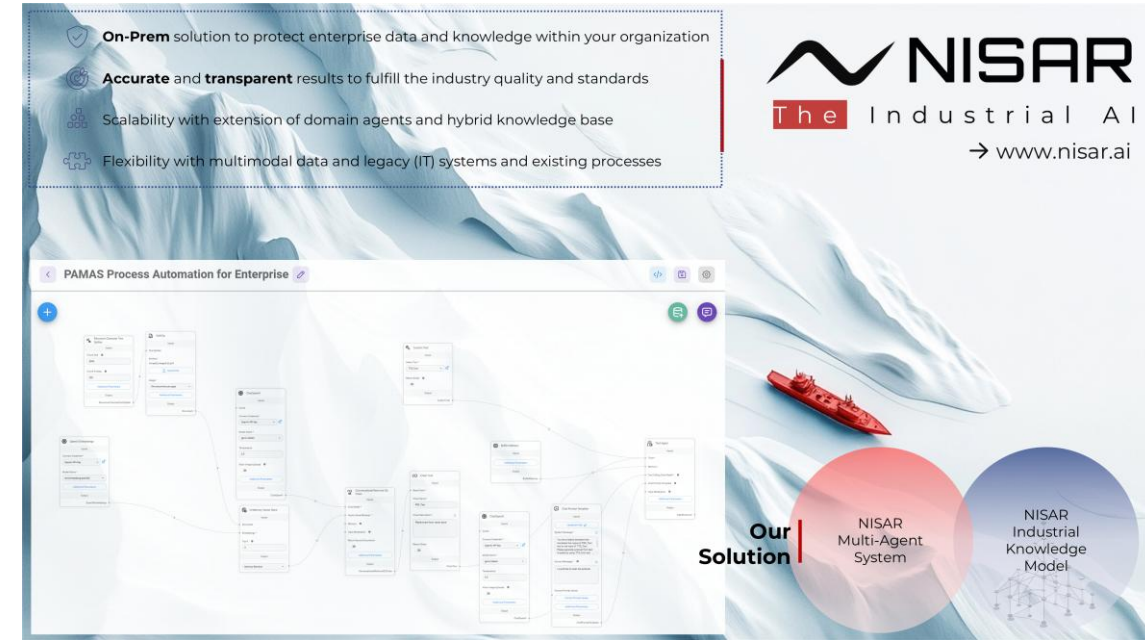
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Industrial AI

Multi-Agent AI Systems and Industrial Knowledge Models to automate knowledge-heavy processes

Technology description

NISAR automates complex processes through a multi-agent AI system with a strong human-in-the-loop approach. By leveraging advanced AI techniques like GenAI, LLMs, data science, knowledge graphs, and logic models, it ensures optimal solutions. The system integrates data into a coherent context using embeddings and knowledge graphs, while moderator agents enable natural language problem resolution.



© NISAR Autonomy GmbH

What's in it for you?

- Reduces manual effort
- Lowers costs
- Shifts experts from task execution to result review, freeing them for more challenging cases

Why work with us?

- Extensive automotive industry experience
- Deeply understanding of industry standards and safety regulations
- Published researches on safe AI Applications
- NISAR tackles complex industrial processes like production quality assurance and requirement engineering



Perpetuum Progress GmbH

OVAL

Cross-Company Platform for Data-Driven Collaboration

Technology description

By developing a platform based on open standards, we enable IP-protected and secure data exchange between companies.

Data can thus be processed as a "workpiece" across corporate boundaries. This creates a value chain based on the valuable data contributions of individual companies.

To implement this innovative solution, we leverage Web3, blockchain, and AI technologies.



© Perpetuum Progress GmbH

What's in it for you?

- Our development enables companies to monetize their data assets by sharing them across corporate boundaries.
- This creates new revenue opportunities for businesses.

Why work with us?

- We are a young and agile company that can quickly respond to individual customer needs.
- We are a leader in the implementation of data space technologies in the European market.
- We have proven expertise in handling projects for large enterprises and corporate clients



Our references

DLR Testfeld Braunschweig
Mobilitätsdatenplattform Ingolstadt
OVAL - Marktplatz

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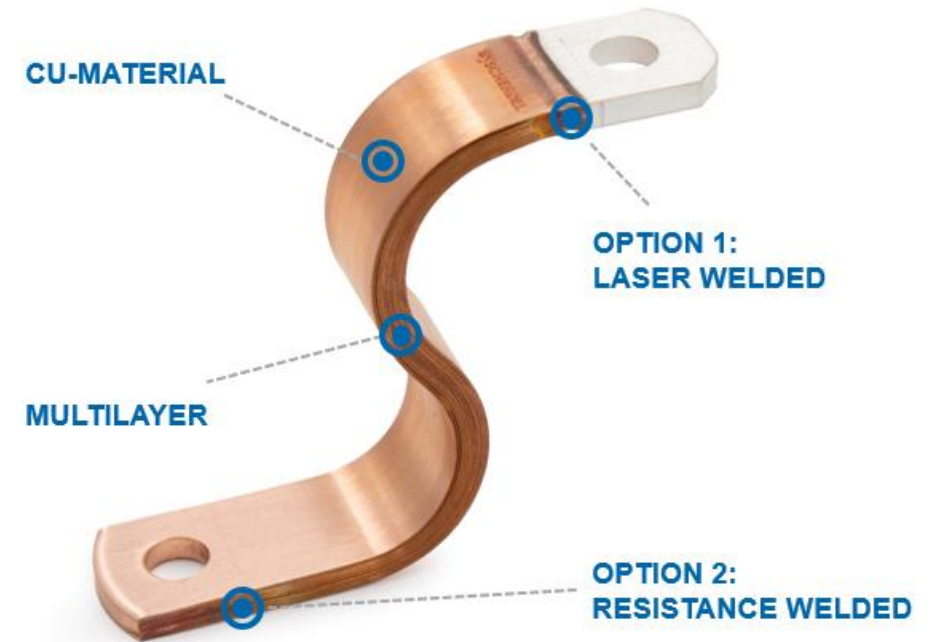
Flexible Busbars

Flexible busbars serve the function of a conventional busbar while also offering mechanical flexibility.

Technology description

The flexibility is achieved by dividing the conductor cross-section into multiple thin layers. To ensure the same electrical performance as a rigid busbar, these layers are securely bonded at both ends of the component using resistance welding or laser welding.

Common coating systems can be applied at the contact interface to minimize contact resistance and optimize electrical conductivity.



©SCHERDEL GmbH

What's in it for you?

- Tolerance compensating interface between two modules (e.g. Inverter and E-Machine)
- Thermal compensation of length changes
- Mechanical decoupling of systems
- One-part-strategy (one uniform flexible busbar for different positions)

Why work with us?

- SCHERDEL has seven years of serial production experience in manufacturing high-quality, high-volume flexible busbars
- SCHERDEL is a reliable partner for the entire product development process, from simulation and prototyping to testing and serial production

Hybrid – plastic-metal components

Hybrid components combine advantages of both basic materials – plastic and metal and enable advanced functionality

Technology description

Multiple-stage processes, based on metal stamping and injection moulding technology combine both key technologies from SCHERDEL technology portfolio. Pre-Stamped or bended metal parts can be overmolded by plastic or assembled into plastic components. Test concepts for mechanical or electrical features support proper functionality of the hybrid part or system.



What's in it for you?

- Increased mechanical properties thanks to metal content
- Electrical conductivity with metal insert
- Isolation effects of plastic
- Shielding with metal on plastic components
- Light weight solutions due to advantage of plastic
- Advanced options for function integration due to design possibilities of plastic
- Media tightness

Why work with us?

- SCHERDELWiesauplast offers Engineering and design support to find the optimal solution from a quality and cost perspective
- “One – stop – shop” solutions as SCHERDEL Group companies can offer the full variety of different technologies for metal and plastic production
- Global footprint supports production capabilities in different regions

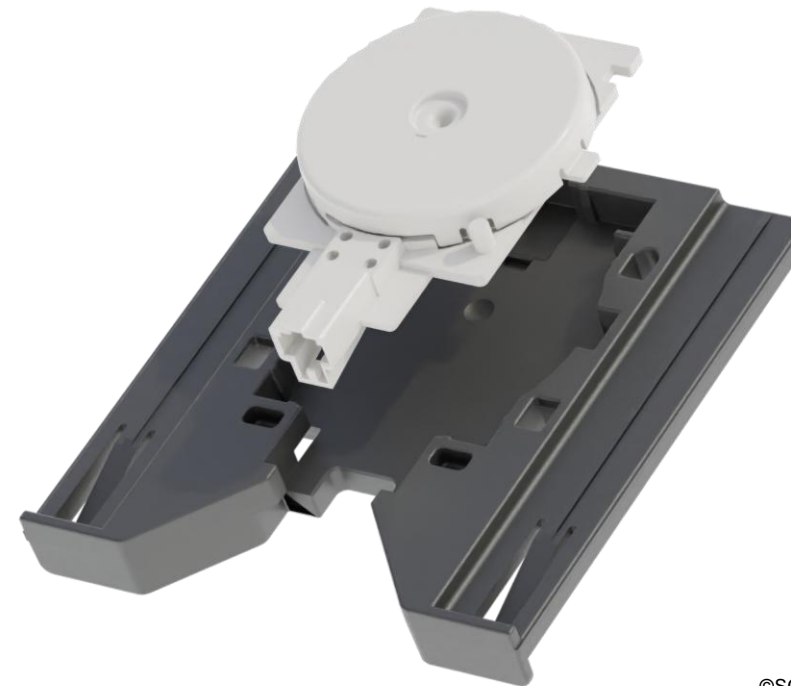
OCCUPANT DETECTION SYSTEM

SCHERDEL OCCUPANT SENSORS are in use for Seat-Belt-Reminder and Driver-Detection systems.

Technology description

Our customized sensors are placed at the B-side of the seat foam and represent a flexible and cost effective occupant detection. With a force related B-side sensor, we are able to adapt a robust system to all types of seat variants.

Our sensors are in use for front and rear seats and transfer the occupant presence signal to the ECU of the vehicle.



©SCHERDEL GmbH

What's in it for you?

- You have a challenge with packaging according to growing functionality in the seat environment? Massage, climatisation or seat heating is in conflict with your actual A-side sensor? The A-sensor layout affects your design freedom? B-Side solution will help you to solve this problems.

Why work with us?

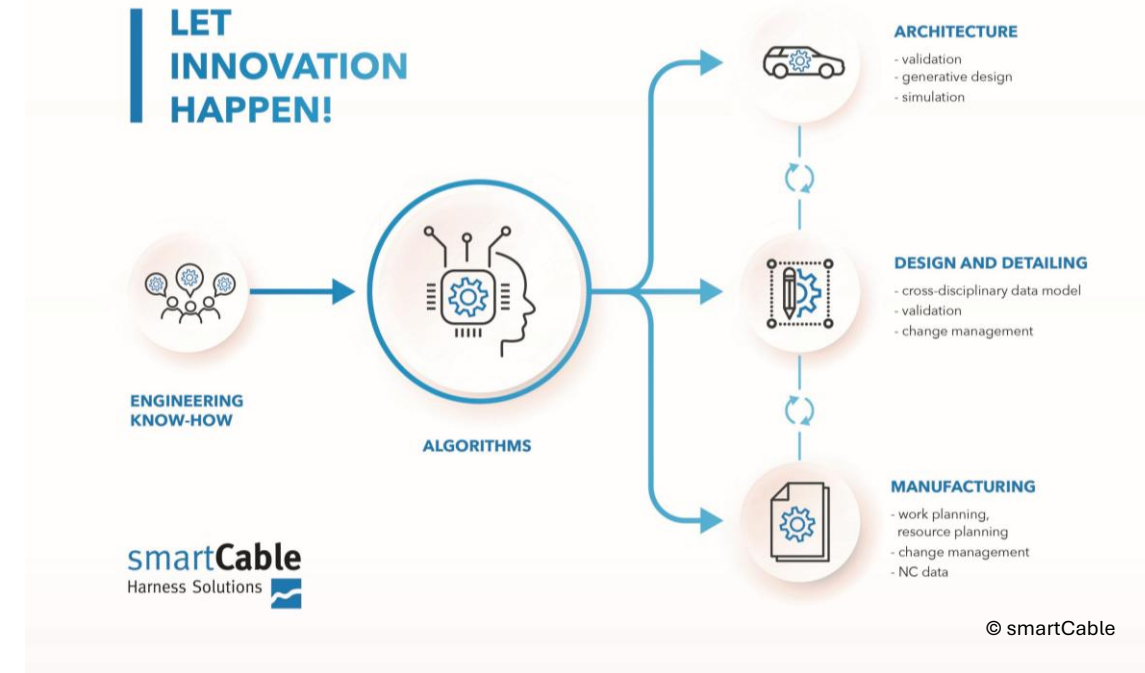
- More than 40 millions of sensors sold worldwide and experience of more than 10 years make us to your perfect partner
- With own testing facilities we can offer short term solutions and deliver complete development solutions

preDesign, V5Harness, MS_Cable

AI supports engineering processes in the design phase and in the transition to production. This ensures agility for new requirements - processes become adaptive. Every design decision is validated, efficiency and data quality are ensured throughout the entire process.

Technology description

Development is a dynamic process: agility with new requirements, cross-discipline and cross-phase change management and cost transparency are required. smartCable offers the end-to-end digital process through to production for the cable harness product. Rule conformity can be verified at any time, and the integration of simulation also provides transparency for dynamic behavior. Consistency through to production is achieved by simulating work planning. The integration of automatic machines allows a gradual transition to partially automated production under cost control.



What's in it for you?

- Integration of expandable knowledge Communication reduces development loops and ensures cost transparency.
- AI methodology enables algorithms to judge, decide, plan and solve problems.
- smartCable checks the conformity of a design with rules, uses generative design for completion and calculates work plans automatically.

Why work with us?

- AI methodology brings additional efficiency to the wiring harness process and reduces development cycles.
- Algorithms make transparent and traceable decisions.
- Knowledge catalogs ensure agility for new requirements
- Specifications according to DIN 72036 are integrated, protecting proprietary knowledge advantages.

ENX Vehicle Cyber Security

Ein nachhaltiger Ansatz für die Automobilsicherheit

Technology description

As vehicles become more connected, so does the need to implement robust security measures. Syngenity® provides comprehensive consulting services to help companies comply with leading automotive certification standards, including ENX VCS, ISO 21434, and UN ECE R155/R156.



© Syngenity®

What's in it for you?

- Implementation of safety standards such as ENX VCS, ISO 21434 and UN ECE R155/R156
- Protect your data and systems
- Strengthen your customer's and partner's trust in your brand

Why work with us?

- Specialized consulting services to meet specific needs
- Support in implementing and understanding standards
- Development of individual security concepts that are tailored to your infrastructure

Torsional Ultrasonic welding

Ultrasonic metal welding with the Linear, SONIQTWIST® and PowerWheel® technologies

Technology description

Ultrasonic metal welding is often used for the bonded connection of electrical conductors and contact parts made of copper or aluminum, also coated with nickel, silver and gold. It enables long-lasting joints at temperatures below melting points. The welding process takes place within 0.3 to 3 seconds and has only a minimal impact on the structure of the materials, whereby it is classified as a cold-press welding process according to DIN 1910.



© Telsonic

What's in it for you?

- Torsional sonotrode movement: minimal stress, ideal for sensitive applications (films, electronics).
- PowerWheel®: up to 30% narrower/taller welds, saves material and space.
- Strong connections for copper and aluminum cables (70-160 mm²).

Why work with us?

- Torsional welding: protects components, achieves higher energy densities.
- Minimal load: ideal for sensitive applications (films, fabrics, electronics).
- PowerWheel®: precise energy input for non-ferrous metals.
- Welds: up to 30% narrower/higher with high strength for thick joints.

ZD Datalogger 3 Serie

The Solution for Advanced Vehicle Data Analytics Recording

Technology description

The high-performance data logger offers 3Gbps bandwidth, 2x8T memory and 24/7 recording. With PTP time synchronization, 10GBase-T1 Ethernet, and tools such as TraceClient3 and Vehicle Bus Tool _Trace version, it enables flexible configuration, precise analysis, and data consistency. It supports audio and video capture from IP cameras, and provides filters, triggers, and real-time monitoring for the highest levels of data acquisition and analysis.



© ZD Automotive GmbH

What's in it for you?

- Platform for precise vehicle data acquisition and analysis in the automotive industry
- Ideal for developing and validating networking architectures and ADAS functions
- Robust hardware and software for maximum precision and reliability
- Adaptable to customer requirements with tailor-made solutions

Why work with us?

- Access to innovative vehicle technologies to increase productivity
- Global expertise in infotainment, ADAS systems, V2X communication and automotive Ethernet
- Continuous process optimization for technological leadership
- Focus on Big Data and Artificial Intelligence
- Accelerate time to market through shortened development cycles

Get in touch

We look forward to sharing ideas!

Interested in becoming part of our network, moving innovation forward, or making new connections and finding new partners?

Feel free to contact us!



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