



CONFERENCE & EXPO

WEAUTOMOTIVE GROUP

STUTTGART, EU

12 JUNE 2025

FILDERHALLE CONVENTION & EVENT CENTER
| STUTTGART

SMX

AUTOMOTIVE

SMART
MANUFACTURINGX
SUMMIT EUROPE

NEXT-GENERATION AUTOMOTIVE: ENHANCING
MANUFACTURING PROCESS AND PERFORMANCE
THROUGH DIGITAL INNOVATION



REDUCE
COST



SUSTAINABILITY
GOALS



INCREASE
CAPACITY



CYBER
SECURITY



IOT & AI



MASS
CUSTOMISATION



SMART
FACORIES



DIGITAL
TWIN



LEVERAGING
SMART
TECHNOLOGIES

DON'T MISS OUT! OUR ULTRA EARLY BIRD RATE ENDS 21ST FEB 2025

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JOIN NORTH EUROPE'S PREMIER GATHERING OF **SMART MANUFACTURING LEADERS, INNOVATORS AND EXPERTS**

Take part in this industry leading event where **SMART & 4.0** leaders representing global OEMs, Tier1's and key solution providers, explore future factory trends, innovations and disruptive technologies shaping the future of vehicle manufacturing.

AUTOMOTIVE SMART MANUFACTURING X USA

Smart Automotive Manufacturing X EU, empowers automotive manufacturers with the tools and connections needed to future-proof their businesses. Discover cutting-edge technologies and innovative processes that reduce downtime, provide powerful operational insights, and boost productivity. Gain a competitive edge and ensure your manufacturing operations thrive in an evolving digitally intelligent landscape.

ELEVATE YOUR MANUFACTURING ADVANTAGE

The global manufacturing landscape is undergoing rapid transformation, and the industry needs insight and ingenuity to respond. With an interactive technology showcase, thought-provoking presentations, and strategic networking sessions, the Smart Automotive Manufacturing X EU Summit, empowers manufacturing leaders to navigate this evolution and drive long-term growth.

EXPERT LEAD TECHNICAL CONFERENCE AGENDA

Don't miss your chance to meet leading experts in smart manufacturing. Our thoughtful curated lineup brings together some of the most renowned names in the industry for inspiring keynote presentations. These sessions will delve into the latest challenges, real-world business cases, and opportunities for further integrating smart technologies into your operations. Listen to renowned industry experts from the battery, OEM and recycling sectors as they delve into the most recent regulatory, strategic, economic, and technological advancements, offering insights into future trends and innovations.

TECHNOLOGY SHOWCASE 4.0

Discover the future of SMART manufacturing by immersing yourself in our 4.0 Technology Showcase. Smart Automotive Manufacturing X EU, provides an opportunity to engage with companies, experts and technologies on our exhibition floor that are leading the smart revolution. Discuss your challenges and find practical takeaway contacts and solutions that work for you.

DIGITALIZING THE END-TO-END AUTOMOTIVE VALUE CHAIN

Accelerating Operations Optimization: Navigating Digital Transformation In The Automotive Manufacturing Industry

WeAutomotive Group produce and organize some of automotive industries leading conferences, summits, and exhibitions. What makes our events unique is the dedicated OEM support and participation, attracting groups of attendees from all the majors and innovative start-ups from across the world.

Our programs are diligently researched and curated in partnership with the OEMs to ensure they address the most pertinent current challenges and key investment areas. This level of detail is part of our pioneering approach to content and ensures that we attract the highest level of attendees.

Automotive SMX EU 2024, delivers an unparalleled technical-conference agenda and networking engagement – in a welcoming, personable environment.

The automotive industry is undergoing massive transformation. It's pervasive across the industry and much of it is being driven by Industry 4.0 and the continued digitalization of the entire value chain. Industry 4.0 has both expanded the possibilities of digital transformation in automotive manufacturing and increased its importance to OEMs, suppliers, dealers, captive finance organisations and everyone involved in the mobility ecosystem.

By harnessing the power of combined and connected digital and physical technologies – artificial intelligence, the Internet of Things, additive manufacturing, robotics, cloud computing, and others – companies thought the value chain are becoming more flexible, efficient, and responsive and reshaping how they operate their businesses, engage customers, and deliver products and services.

The Automotive SMX EU Summit explores multiple facets of Industry 4.0, examining the impact, opportunities, and potential pitfalls manufacturers could encounter as they digitally transform their enterprises. Whether building a cognitive digital supply network, digitalizing product management, developing industry 4.0 capabilities through collaborations with startups or scaling up anything as-a-service, the connections and opportunities available at the Automotive Smart Manufacturing 4.0 Summit EU have helped inform executives leading digital transformation.

To help automotive executives navigate these exciting and transformative times, **WeAutomotive Group** has collaborated with Europe's OEM community, big and small, to delve into how Industry 4.0 is changing automotive manufacturing and demonstrate how some enterprises are using these technologies to speed design and manufacturing, improve quality, and enhance how they protect their enterprises, products, business partners and customers.

You are invited to join us and over 400 automotive engineers involved in the design and implementation of digital production solutions and production data management, at Europe's largest technical conference and exhibition for automotive smart manufacturing professionals – where experts will engage during a series of case study presentations, interactive panels, and unparalleled networking opportunities.

We hope to see you there.



CONFERENCE TOPICS

NEXT-GEN CLOUD ARCHITECTURE

In today's rapidly evolving digital landscape, cloud architecture forms the foundation for scalable, flexible, and cost-effective IT infrastructure. Businesses are exploring advanced cloud technologies to optimize resource utilization, enhance data security, and facilitate seamless integration across diverse platforms and services. This topic delves into innovative approaches and best practices for designing and implementing cloud architectures that can meet the demands of modern enterprise environments.

SUSTAINABILITY IN MANUFACTURING OPERATIONS

As environmental concerns continue to escalate, the manufacturing sector faces increasing pressure to adopt sustainable practices. This conference topic addresses strategies for minimizing environmental impact, reducing energy consumption, and optimizing resource utilization throughout the manufacturing lifecycle. From eco-friendly production processes to sustainable supply chain management, attendees will explore practical solutions to align manufacturing operations with broader sustainability objectives.

INDUSTRY COLLABORATION AND PARTNERSHIPS

Exploring the importance of collaboration between stakeholders, including OEMs, recyclers, policymakers, and researchers, to drive innovation and achieve sustainability goals in the battery industry.

CLOUD-BASED PLM, MES, AND ERP

Product Lifecycle Management (PLM), Manufacturing Execution Systems (MES), and Enterprise Resource Planning (ERP) systems are essential components of modern manufacturing ecosystems. By leveraging cloud-based solutions, organizations can realize numerous benefits, including enhanced accessibility, scalability, and collaboration capabilities. This conference topic explores the potential of cloud-based PLM, MES, and ERP platforms to streamline operations, improve agility, and drive innovation across the manufacturing value chain.

CYBERSECURITY IN SMART MANUFACTURING

As smart manufacturing systems become increasingly interconnected and digitized, cybersecurity emerges as a critical concern for safeguarding sensitive data, intellectual property, and operational continuity. This conference topic delves into the evolving threat landscape facing smart factories and explores proactive strategies for mitigating cyber risks. From identifying vulnerabilities in industrial control systems to implementing robust security protocols and incident response plans, attendees will gain insights into safeguarding manufacturing environments against cyber threats. By prioritizing cybersecurity, organizations can instill confidence in their digital infrastructure, protect against potential disruptions, and uphold the integrity of their operations in an interconnected world.

DIGITIZING AND MODERNIZING OPERATIONAL TECH

Digitizing and modernizing operational technology (OT) infrastructure is essential for enhancing operational efficiency, agility, and competitiveness in the manufacturing sector. This conference topic focuses on strategies for leveraging digital technologies, such as Industrial Internet of Things (IIoT), edge computing, and advanced analytics, to modernize OT systems. Attendees will learn how digitization initiatives can optimize asset performance, improve predictive maintenance, and enable real-time monitoring and control of industrial processes.

STANDARDIZING AND STRUCTURING DATA AND PROCESSES

In the era of big data, standardizing and structuring data and processes are crucial for unlocking valuable insights and driving informed decision-making.

This conference topic delves into methodologies and tools for establishing standardized data formats, implementing efficient data management protocols, and streamlining business processes across diverse functional areas. By standardizing data and processes, organizations can enhance data integrity, facilitate interoperability, and improve overall operational efficiency.

3D MODELLING AND COMPUTATIONAL ANALYSIS ON BATTERY RECYCLING

3D modeling and computational analysis play a pivotal role in product design, simulation, and optimization across industries. This conference topic explores cutting-edge techniques and tools for creating realistic 3D models, conducting virtual simulations, and performing computational analysis to validate designs and optimize performance.

From finite element analysis to computational fluid dynamics, attendees will delve into the transformative potential of 3D modeling and computational analysis in accelerating product development cycles and improving product quality.

THE EMERGING ROLE OF ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) is revolutionizing various aspects of manufacturing, from predictive maintenance to quality control and supply chain optimization. This conference topic delves into the latest advancements in AI technologies and their applications in manufacturing environments. Attendees will gain insights into how AI-driven algorithms, machine learning models, and predictive analytics can enhance productivity, efficiency, and decision-making in today's smart factories.

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CUTTING-EDGE INSIGHT DELIVERED BY EXPERTS AND THOUGHT LEADERS INCLUDING:

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Daniel Knödler
Global Automotive
Leader | IBM



Juan Carlos Garcia
Business Developer Manager
| Eines Vision Systems



Rainer Weigle
Head of Solutions
| Schneider Electric



Dr. Paulina Sierak
Group Leader Data
Efficient and Automated
Learning | Fraunhofer IIS



Dr. Ulrich Wolters
Head Of Product Area Bosch
Semantic Stack | Bosch



David Bergfeld
Head of Enterprise Software
Sales – Central Europe
| Rockwell Automation



Werner Reichelt
Head of Sales Digital
Business | Festo



Dr. Tarek Kasah
Partner | McKinsey &
Company



Dr. Stefan Muthmann
Manufacturing Field Sales
Director | DELL



Srinivasan Krishnamoorthi
Global Head of Virtual
Training Solutions | Siemens



Andreas Hoell
Technical Account Manager
VW Group | SICK



Jörgen Ottosson
CEO | OCS Overhead
Conveyor System AB



Peter Mair
Director EMEA Auto &
Tire, EV | Kalypso



Roger Hebert
Sales Manager
| Boston Dynamics



Michael Scholz
DELMIA Expert Senior
Specialist
| Dassault Systèmes



Gianfranco Ruggiero
Senior Product Manager
| AutoForm



Robert Koopmann
Head of Technics Germany
Technical Center
| FANUC Germany



Marvin Thiele
Co-Founder
| Visense



Michael Koper
Director, Industry 4.0
Digital Software
| Eines Vision Systems



Torsten Fingerhut
Automotive Director
| FANUC



Katerina Mouliadou
Innovation Lead
| ATS Global



Juan Carlos Garcia
Business Developer Manager
| Eines Vision Systems



George Geros
Commercial Director
| Embotech AG



Terry Onica
QAD Automotive Director
| QAD

07:30

Registration | Breakfast Reception

08:10

Chairman's Welcome

08:20

THE AGE OF AI

The State Of Smart Manufacturing: Practical Steps To A Real World Digital Transformation In The Age Of AI

David Bergfeld, Head of Enterprise Software Sales - Central Europe, **Rockwell Automation**

- Insights from the ninth annual edition of 'The State of Smart Manufacturing' report
- How to be ready for the smart manufacturing, AI-enabled future - life favors the prepared
- Understanding the opportunities that smart manufacturing offers and selecting the best option to meet requirements
- Effectively implementing smart manufacturing solutions and organizational change management (partnering people with technology) to deliver successful outcomes
- Evaluating the benefits of smart manufacturing technologies and developing a culture of continuous improvement

08:40

OEM Panel

DRIVING EFFICIENCY

Smart Automotive Manufacturing In The Digital Age

The automotive industry is rapidly evolving with advancements in technology, particularly in the realm of smart manufacturing. This panel discussion will delve into the innovative strategies and technologies driving efficiency and productivity in automotive manufacturing processes.

- Explore how the Internet of Things (IoT) and Artificial Intelligence (AI) are revolutionizing automotive manufacturing, enabling predictive maintenance, real-time monitoring, and adaptive production processes
- Discuss the role of digital twins and simulation in optimizing production workflows, reducing time to market, and enhancing product quality through virtual prototyping and testing
- Examine the impact of robotics and automation on assembly lines, highlighting advancements in collaborative robots (cobots), autonomous mobile robots (AMRs), and automated guided vehicles (AGVs) for increased flexibility and agility
- Explore how data analytics and visualization tools are being utilized to analyze vast amounts of manufacturing data, uncover insights, and optimize decision-making processes for continuous improvement
- Address the cybersecurity challenges inherent in smart automotive manufacturing, including protecting sensitive data, securing interconnected systems, and mitigating potential cyber threats to ensure operational resilience
- Examine strategies for optimizing supply chain management in the automotive industry, leveraging smart technologies such as blockchain for transparent and efficient logistics, inventory management, and supplier collaboration

- Highlight the importance of workforce upskilling and training programs to empower employees with the necessary skills to thrive in an increasingly digitalized manufacturing environment, fostering innovation and competitiveness

09:20

DRIVING SUSTAINABLE MANUFACTURING

Sustainability Meets Efficiency: How AI is Shaping the Future of Manufacturing

Dr Paulina Sierak, Head of Data Efficient Automated Learning, **Fraunhofer Institute of Integrated Circuits (IIS)**

- How can AI be used for more efficiency and especially higher sustainability within smart factories?
- What does it mean to develop, operate, and maintain an AI solution?
- Why should you care about sustainability and efficiency of AI itself?
- Which resources do you need to set up a proper AI system and how can you be more efficient in doing so?

09:40

GENAI TO UNLOCK AI

Clearing Data-Quality Roadblocks With GenAI To Unlock AI In Manufacturing

Tarek Kasah, Partner, **McKinsey, and Company**

- Overcoming data quality challenges to unleash AI's potential in manufacturing Understanding the critical role of reliable data and the common roadblocks like data silos that must be overcome and strategies for integration
- Revealing the significance of a comprehensive data quality program, involving data governance and advanced analytics
- Appreciating the impact of high-quality data on AI applications, enhancing efficiency, decision-making, and overall manufacturing processes
- Explaining the need for organizations to prioritize and invest in data quality to fully leverage the transformative power of AI in the manufacturing sector

10:00

FUTURE-PROOF INFRASTRUCTURE

The Imperative Need For A Future-Proof Infrastructure Architecture For Smart Factories In The Automotive Manufacturing Industry

Dr. Stefan Muthmann, Manufacturing Field CTO, **Dell Technologies**

- Understanding the future of automotive manufacturing, including the evolving nature of vehicles and their lifecycles, is essential for defining appropriate infrastructure requirements
- How the rise of electronics in vehicles, advancements in ADAS/AD development, electrification, and growing connectivity pose challenges and opportunities the significance of a

future-proof data center that can handle the vast amounts of data generated by connected vehicles and smart factories

- The growing size of factory data centers and the importance of infrastructure that can adapt and scale with the increasing data demands
- Why the future automotive Smart Factory is envisioned as a connected ecosystem extending from customers to suppliers, emphasizing the role of data, AI, and a future-proof infrastructure in shaping this transformative landscape

10:20

VISION AI-BASED TECHNOLOGIES

Emerging Vision AI-Based Technologies For Automation In The Paint Shop

Juan Carlos Garcia, Business Developer Manager, **Eines Vision Systems**

- Understanding how vision AI technologies are revolutionizing automation in the paint shop, offering advanced capabilities for quality inspection, defect detection, and colour matching
- Leveraging machine learning algorithms to analyse visual data in real-time, enabling faster decision-making and improving overall process efficiency
- Implementing vision AI-based systems automotive manufacturers can enhance product quality, reduce rework, and minimize waste, ultimately leading to cost savings and increased productivity
- Integrating vision AI technologies in the paint shop to enable predictive maintenance, allowing for proactive identification of equipment issues and preventing costly downtime
- Embracing emerging vision AI-based technologies to stay competitive and meet the demands for higher quality standards and production efficiency in the paint shop

10:40

Morning Networking Break

11:20

HARNESSING DATA

Driving Efficiency By Harnessing Data To Optimize Automotive Supply Chains

Katerina Mouliadou, Innovation Lead, **ATS Global**

- Exploring the significance of real-time data analytics in monitoring and managing various aspects of the automotive supply chain, including inventory levels, production schedules, and logistics operations
- Discussing the role of predictive analytics in forecasting demand, enabling automotive manufacturers to anticipate market trends, optimize inventory levels, and minimize stockouts and excess inventory
- Highlighting the importance of data-sharing and collaboration with suppliers to improve visibility across the supply chain, streamline procurement processes, and mitigate supply chain disruptions
- Examining how data analytics tools can optimize production planning by analyzing historical

production data, identifying bottlenecks, and optimizing resource allocation to improve efficiency and reduce costs

- Emphasizing the value of end-to-end visibility in the automotive supply chain, enabled by data integration and analytics, to track materials, parts, and vehicles throughout the entire manufacturing and distribution process, ensuring timely deliveries and customer satisfaction

11:40

EMPOWER THE AUTOMOTIVE WORKFORCE

Upskill, Reskill, Qualify, And Empower The Automotive Workforce With Next Generation 3D Immersive, Interactive, And Gamified Virtual Training Solution To Accelerate Smart Manufacturing

Srinivasan Krishnamoorthi, Global Head of Virtual Training Solutions, **Siemens**

- The key to success of winning the smart manufacturing race in automotive is well-trained, agile, and empowered diverse workforce who can efficiently manage today's needs and are also future-ready. How this can be enabled and accelerated by next generation virtual training solutions which leverages existing 3D CAD models, digital twins, machine, and lines together with the procedures to convert them into more 3D immersive, interactive, and gamified training
- Understanding how virtual training can be instantly delivered on multiple platforms like web via any mobile device or VR goggles or classic desktops or on shopfloor work instructor screen as well
- Learn how next generation virtual training solutions makes training more sustainable and EHS compliant
- Explaining how virtual training solutions and experience of many customers confirms that automotive players are benefiting from reduction of training time by up to 50 percent, achieving quality improvements by up to 40 percent by reducing manual mistakes

12:00

GENERATIVE AI AND FOUNDATION MODELS

How Artificial Intelligence, And Specifically Generative AI And Foundation Models Will Accelerate The Transformation Of The Automotive Industry

Daniel Knoedler, Global Automotive Leader, **IBM Technology**

- Learn how automotive companies can leverage AI and data platforms to gain significant efficiencies across the whole value chain
- Gain insights on how automotive manufacturers can develop a competitive advantage with the help of GenAI.
- Understand how to take advantage of the latest AI technology and to learn from experts and industry peers
- Learn how the IBM watsonx platform allows OEMs to train and deploy AI models or build their own – in order to excel in all enterprise areas
- Discover how AI and foundation models can be used in a responsible and trustful way

12:20

OPTIMIZING SUPPLY CHAIN PRODUCTIVITY & SUSTAINABILITY

Optimizing People, Processes, And Systems For Automotive And Supply Chain Productivity And Sustainability

Terry Onica, QAD Automotive Director, **QAD**

- Provide an overview of today's disruptive and strategic supply chain challenges that impact the automotive industry, setting the stage for transformative solutions
- Introduce QAD's 24 Essential Supply Chain Processes for improving overall supply chain performance and sustainability in manufacturing
- Detail the three-steps to effectively integrate the 24 Essential Supply Chain Processes across quality, supply chain, sustainability, and IT teams to maximize performance and resilience
- Explore the technological advancements necessary for end-to-end automation of these processes, emphasizing the role of ERP systems, real-time data, and digital workflows in enhancing operational efficiency
- Share case study examples on leveraging QAD's 24 Essential Supply Chain Process approach and industry standards to improve operational performance

12:40

EMPOWER MANUFACTURING SUPPLY CHAINS

How To Empower Manufacturing, Supply Chains And Service Providers To Efficiently Plan, Manage, Optimize, And Execute Their Operations?

Michael Scholz, DELMIA Expert Senior Specialist, **Dassault Systèmes**

- Empowering automotive manufacturing, supply chain, and service providers by providing them with the tools and strategies needed to efficiently plan, manage, optimize, and execute their operations
- Discussing the importance of robust planning processes to anticipate demand, allocate resources effectively, and optimize production schedules. This includes leveraging data analytics, forecasting techniques, and simulation models to make informed decisions
- Exploring techniques for streamlining operations, reducing waste, and improving productivity across the manufacturing, supply chain, and service sectors. This involves implementing lean principles, agile methodologies, and continuous improvement initiatives
- Highlighting best practices for optimizing production processes, inventory management, and logistics operations. This includes adopting automation, digitalization, and smart technologies to enhance efficiency and flexibility
- Providing insights into effective execution strategies to ensure smooth operations and timely delivery of products and services. This involves aligning workflows, monitoring performance metrics, and implementing agile response mechanisms to address disruptions

13:00

Networking Lunch Break

14:00

UTILIZING AUTONOMOUS ROBOTS

Utilizing Autonomous Robots For Inspections, Reliability And Maintenance

Roger Hebert, Sales Manager, **Boston Dynamics** And **Spot**, **The Agile Mobile Robot**

- Providing an overview of how autonomous robots are revolutionizing the automotive manufacturing industry
- Highlighting the capabilities of these robots in conducting inspections, ensuring reliability, and performing maintenance tasks autonomously
- Showcasing how autonomous robots leverage advanced sensors and AI algorithms to conduct thorough inspections of automotive components with unmatched efficiency and precision
- Illustrating examples of how these robots identify defects, anomalies, and quality issues in real-time, allowing for immediate corrective action
- Discussing the role of these robots in detecting early signs of wear, predicting maintenance needs, and preventing costly downtime through proactive maintenance strategies
- Learn capabilities of the quadruped robot, Spot, for reliable autonomous operations and understand the benefits for both inspection and 3D scanning tasks
- Hear how other automotive companies have adopted these robots
- See a live demonstration of Spot

14:30

THE DIGITAL THREAD

Why The Digital Thread Is Crucial To Digital Transformation

Peter Mair, Principal, Director EMEA Auto & Tire, **EV**, **Kalypso**

- Understanding that the foundation of digital transformation is a connected enterprise that unites and integrates information technology (IT) and operational technology (OT)
- Maximizing the benefits from the digital thread of information that spans the entire value chain
- Recognizing the importance of partnering with best-in-breed providers on a unified, open architecture for the automotive industry
- How to complete the work on closed-loop connectivity architecture among software solutions, starting from customer requirements
- Deploying the connected value chain software offering and tying in the software solutions with their respective physical twins to provide both virtual and real client experience

14:50

IT INFRASTRUCTURE AND SOFTWARE SOLUTIONS

IT Infrastructure And Software Solutions To Drive Smart Manufacturing

Rainer J Weigle, Head of Solutions and Sales,
Schneider Electric
Tobias Ullrich, Software Leader DACH,
Schneider Electric

- Understanding how the heart of industry 4.0 lies in the integration of technology into the infrastructure, networks, and key components of industrial systems
- How by leveraging software to control systems, provide data analytics, and facilitate continuous improvement, manufacturers can bridge communication gaps and empower personnel at all levels
- Explaining how the software-driven model enables the creation of an unbroken data flow, providing valuable design and manufacturing feedback to customers
- The advantages of a software-centric approach extend beyond transparent communication; it also streamlines operations by utilizing sensors to monitor various factors, from temperature and humidity to equipment status and job progress
- Embracing a software-first approach can ensure continued growth and evolution towards smart factories

15:10

DIGITAL TWINS

Just Do It! Driving Automotive Excellence: Out Of The Scaling Dilemma With Digital Twins

Dr Ulrich Wolters, Head of product area Bosch
Semantic Stack, **Bosch Connected Industry**

- Overcome your automotive product challenges with data-driven decision-making
- Harmonize and enrich your data from across the product lifecycle with domain knowledge to optimize your product and all product-related processes
- Obtain full transparency on data from across the product lifecycle
- Utilize siloed, heterogeneous, and distributed data generated across the lifecycle of your product and its components by making it explorable, meaningful, and accessible for solutions that target your product challenges
- Scale and reuse product knowledge and data: Enable scalability through the reuse of data integration and meaningful data provisioning

15:30

ROBOTICS AND AUTOMATION

Manufacturing In Times Of Demographic Change: Robotics And Automation As Solution Providers

Robert Koopmann, Head of Technics Germany
Technical Center, **FANUC Germany**

- Highlighting the demographic trends impacting the manufacturing industry, such as an aging workforce and declining birth rates
- Exploring the challenges posed by these demographic shifts, including labour shortages, skill gaps, and increased healthcare costs
- Emphasizing how robotics and automation can address the challenges of demographic change in manufacturing
- Showcasing examples of how advanced robotics technologies, such as those offered by FANUC, can streamline production processes, increase productivity, and reduce reliance on manual labour

- Discussing the specific benefits of robotics and automation for an aging workforce, including reduced physical strain, improved safety, and opportunities for upskilling
- Illustrating how robotic systems can complement the skills and experience of older workers, enhancing overall efficiency and output

15:50

Afternoon Network Break

16:30

AUTOMATED VEHICLE MARSHALLING

Unlocking Efficiency: Why Every Vehicle Factory Needs Automated Vehicle Marshalling (AVM)

George Geros, Commercial Director,
Embotech AG

- Delve into AVM Technology to gain In-depth Insights
- Explore the core principles and mechanisms behind AVM technology and understand the key components and functionalities driving AVM systems
- Discover how AVM solutions are revolutionizing traditional factory vehicle movements
- Learn about the strategies employed to overcome logistical bottlenecks and streamline operations and unlock the untapped potential of AVM technology in diverse industries and applications
- Gain foresight into how AVM can transcend traditional factory settings and drive innovation across various sectors

16:50

PREDICTIVE DATA-ANALYTICS

Concepts, Trends And Examples Of Predictive Data-Analytics In Machines

Werner Reichelt, Head of Sales Digital Business,
Festo

- Understanding why analyzing data predictively, will become a standard in modern machine concepts
- Learn about AI and why it must be avoided in data analysis
- Revealing the hurdles that manufacturers face today and the concepts in future
- Showing examples and best practices in various machines and applications

17:10

SMART PRODUCTION

Smart Production And Smart Engineering – A Winning Combination

Gianfranco Ruggiero, Senior Product Manager,
AutoForm

- Explaining the goals of the sheet metal stamping industry in the age of smart manufacturing
- Understanding the pillars of a Smart Stamping Factory
- Discussing the role of process engineering in the creation of the physics-driven digital twin
- Revealing the challenges and opportunities of digitalization of a press line
- Providing an example of the application of a digital twin that utilizes real-time measured data

17:40

VISUAL MACHINE ERROR EXPLORATION

Increasing Productivity With Visual Machine Error Exploration

Marvin Thiele, Co-Founder, **Visense**

- Introducing the concept of visual machine error exploration as a crucial tool for enhancing productivity in manufacturing
- Highlighting the significance of quickly identifying and addressing machine errors to minimize downtime and optimize production efficiency
- Explaining the benefits of visually representing machine errors, such as faster troubleshooting, enhanced situational awareness, and improved decision-making.
- Discussing how visual machine error exploration streamlines the error resolution process by providing clear, actionable insights to operators and maintenance teams
- Illustrating how leveraging visual machine error exploration contributes to a culture of continuous improvement and operational excellence within manufacturing facilities
- Emphasizing the role of data analytics and machine learning in analysing error patterns, identifying root causes, and implementing preventive measures to optimize productivity over time

17:50

SMART LOGISTICS IN AUTOMOTIVE PRODUCTION

Sensor Solutions For Smart Logistics In Automotive Production

Andreas Hoell, Technical Account Manager VW
Group, **SICK**

- Understanding why intralogistics in modern automotive car and supplier manufacturing facility the key towards an adaptable, flexible production is
- Explaining that traditionally the areas of production and intralogistics used to be different disciplines, which is not future proofed anymore
- Discussing production logistics in a smart factory that is characterized by high transparency in production and logistics processes, high flexibility, strong interconnection of machines, products, and processes and permanent process optimizations through data evaluation
- Revealing the digitalization strategies that need to be rolled out from OT to IT
- Discussing sensors, and sensor systems on the shop floor with high intelligence and standardized interoperability to IT systems, are needed to support these new demanding challenges

18:10

Chair's Closing Remarks

18:20

All Attendee Evening Drinks Reception

ATTENDEES BY COMPANY **SMX EU**

BMW Group, **CATL**, DAF, LG, Daimler Truck, **Samsung**, **Ferrari**, **Ford**, **Honda**, Hyundai, INVECO Group, **Jaguar Land Rover**, **Mercedes-Benz AG**, Stellantis, **Toyota**, **Volkswagen AG**, Volvo, MAHLE, **General Motors**, FCA, Daimler AG, **Lotus**, **Lilium**, **Volvo Group**, **Lucid Motors**, Rivian, Renault Group, **Fisker**, Lordsd town Motor, **EDAG Group**, Rimac Technology, **Volvo Buses**, **Polestar**, XPeng, **AUDI AG**, **Porsche**, Lion Smart, DENSO Europe, **Genesis**, Cascadian Motion, **Alcraft Motor Company**, Iveco spA, **Volta Trucks**, Webasto Group, **EVBox**, Connected Kerb, **Shell**, **QuantumScape**, American Battery Solutions, **Clarios**, **Sono Motors**, **Tesla**, **NIO**, **Faraday Future**, Rimac Automobili, **Nikola**, **Proterra**, Aptera, **Aston Martin Lagonda**, **Bentley Motors**, Karam Automotive, **KIA**, **Lamborghini**, **Lexus**, **McLaren**, Penso, **Rolls-Royce**, Skoda, Toyota, **Smart**, **OPEL**, **Peugeot**, FIAT, Mini, **Nissan**, **Seat**, DACIA, **Mazda**, **Northvolt AB**, Lithium Werks B.V., **BMZ Group**, Draxlmaier Group

Thought Leadership

Build meaningful connections and collaborations with leading experts, decision-makers and potential customers in the Smart Automotive Manufacturing field. Our conference provides ample networking opportunities, including dedicated networking breaks, receptions, and one-on-one meetings with key stakeholders.

Maximum Visibility

Get your brand in front of a highly targeted audience of Smart Automotive Manufacturing professionals, including researchers, engineers and executives from the EV and energy storage industries. Increase your visibility through prominent logo placement, booth displays, and speaking opportunities

Networking Opportunities

Position your company as a thought leader by sharing your latest innovations, insights and best practices on the Smart Automotive Manufacturing stage. Demonstrate your expertise through presentations, panel discussions and technical workshops to establish your company as an industry leader.

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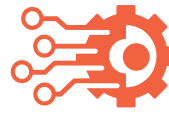
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**SUPPLIER MANAGED
INVENTORY**

EXHIBITOR CATEGORIES

ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, AND PREDICTIVE MAINTENANCE

Exhibitors in this category showcase advanced AI and machine learning solutions tailored for manufacturing applications. From predictive maintenance algorithms to AI-driven analytics platforms, these exhibitors offer cutting-edge technologies designed to optimize production processes, enhance efficiency, and drive innovation in smart manufacturing environments.

AUGMENTED REALITY (AR), VIRTUAL REALITY (VR), AND MIXED REALITY

AR, VR, and mixed reality technologies are transforming how manufacturers visualize, design, and interact with digital information. Exhibitors in this category demonstrate immersive AR/VR solutions for training, design visualization, and remote assistance, enabling enhanced collaboration, improved productivity, and streamlined operations across the manufacturing lifecycle.

BIG DATA ANALYSIS AND CYBERSECURITY

In an era of digitization, big data analysis and cybersecurity are paramount for protecting sensitive information and maintaining operational integrity. Exhibitors in this category offer advanced cybersecurity solutions, data analytics platforms, and threat detection technologies tailored for the manufacturing industry, helping organizations safeguard against cyber threats while leveraging data-driven insights to drive informed decision-making.

DIGITALIZATION AND ERP SYSTEMS, INTEGRATION PLATFORMS, AND IOT

Exhibitors in this category provide comprehensive digitalization solutions, including ERP systems, integration platforms, and IoT technologies, enabling seamless connectivity, data exchange, and process optimization across the manufacturing ecosystem. From cloud-based ERP systems to IoT-enabled smart sensors, these exhibitors empower manufacturers to achieve operational excellence and drive digital transformation initiatives.

ROBOTICS AND PROCESS AUTOMATION

Robotics and process automation technologies play a pivotal role in modern manufacturing, enhancing productivity, flexibility, and efficiency on the factory floor. Exhibitors in this category showcase a wide range of robotic systems, automation solutions, and end-of-arm tooling designed to automate repetitive tasks, streamline production workflows, and enable agile manufacturing process.

TESTING, INSPECTION, AND CERTIFICATION SERVICES

Quality assurance is essential in manufacturing, and exhibitors in this category offer testing, inspection, and certification services to ensure product quality, compliance, and safety standards. From non-destructive testing solutions to certification programs for industry standards, these exhibitors help manufacturers mitigate risks, maintain regulatory compliance, and deliver high-quality products to market.

SUPPLY CHAIN MANAGEMENT AND LOGISTICS SOLUTIONS

Exhibitors in this category offer technologies and services for optimizing supply chain operations, managing inventory, and streamlining logistics processes. From supply chain visibility platforms to warehouse management systems and transportation optimization solutions, these exhibitors help manufacturers improve efficiency, reduce costs, and enhance customer satisfaction through effective supply chain management.

ENERGY EFFICIENCY AND SUSTAINABILITY SOLUTIONS

Given the increasing emphasis on sustainability in manufacturing operations, exhibitors in this category provide solutions for energy efficiency, resource conservation, and environmental sustainability. From energy monitoring and management systems to renewable energy technologies and sustainability consulting services, these exhibitors assist manufacturers in reducing their carbon footprint, complying with regulatory requirements, and achieving sustainability goals.

COLLABORATIVE ROBOTICS AND COBOTS

As collaborative robotics (cobots) gain traction in manufacturing, exhibitors in this category focus on collaborative robot systems, safety features, and human-robot interaction technologies. From collaborative robot arms and grippers to intuitive programming interfaces and safety sensors, these exhibitors enable manufacturers to implement safe and efficient human-robot collaboration in production environments, enhancing productivity and flexibility.

SMART FACTORY INFRASTRUCTURE AND CONNECTIVITY

Exhibitors in this category offer technologies and solutions for building smart factory infrastructure, including industrial networking equipment, communication protocols, and connectivity solutions such as industrial Ethernet, wireless communication, and edge computing platforms. These exhibitors enable manufacturers to create robust, scalable, and interconnected production environments that support real-time data exchange, remote monitoring, and control.

HUMAN-MACHINE INTERFACE (HMI) AND INDUSTRIAL CONTROL SYSTEMS

Exhibitors in this category provide HMI solutions, industrial control systems, and software platforms for monitoring, controlling, and optimizing manufacturing processes. From intuitive operator interfaces and control panels to supervisory control and data acquisition (SCADA) systems and distributed control systems (DCS), these exhibitors offer technologies that enhance operator efficiency, improve process visibility, and facilitate data-driven decision-making.

INDUSTRIAL SAFETY AND COMPLIANCE SOLUTIONS

This category addresses industrial safety solutions, compliance management software, and services designed to ensure workplace safety, regulatory compliance, and risk mitigation in manufacturing environments. Exhibitors may showcase safety equipment, hazard detection systems, safety training programs, and compliance management software platforms that help manufacturers maintain a safe working environment, prevent accidents, and comply with occupational health and safety regulations.

INDUSTRIAL IOT (IIOT) PLATFORMS AND SOLUTIONS

Exhibitors in this category focus on industrial IoT platforms, software solutions, and hardware devices tailored for smart manufacturing environments. These may include IoT connectivity platforms, edge computing solutions, IoT sensors and actuators, and IIoT gateways designed to collect, process, and analyze data from connected industrial devices and machinery. IIoT exhibitors enable manufacturers to harness the power of data analytics, predictive maintenance, and real-time monitoring to optimize production processes and improve operational efficiency.

EDGE COMPUTING AND FOG COMPUTING TECHNOLOGIES

Edge computing and fog computing are essential components of IIoT infrastructure, enabling real-time data processing and analysis at the network edge. Exhibitors in this category offer edge computing platforms, edge devices, and fog computing solutions that enable distributed computing and intelligence closer to the data source, reducing latency, bandwidth usage, and dependency on centralized cloud resources.

These technologies are particularly relevant for latency-sensitive industrial applications and edge analytics use cases in smart manufacturing environments.



For full details, please contact the Team

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