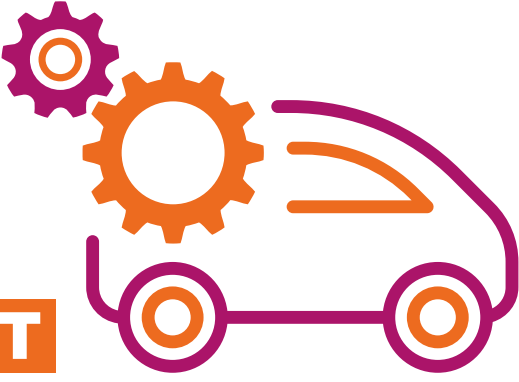


The Only Event Dedicated
to Smart Manufacturing and
I4.0 in the Automotive Sector



SMART
MANUFACTURING
FOR AUTOMOTIVE
VIRTUAL SUMMIT

17 – 18 MARCH 2021

NOW 100% ONLINE

Embrace Industry 4.0 to
Drive Down Costs, Optimize
Production and Enhance Efficiency

4.0
INDUSTRY

YOUR 2021 AGENDA:

A pivotal year for the Automotive Manufacturing sector, we are excited to deliver this event to you through a virtual platform!

Here are just some of the amazing elements of your Virtual event experience:

Free Access to ALL Sessions and Exhibitors

Interactive Virtual Roundtable Discussion Groups Where You Can Have Your Questions Answered

On-Demand Access to All Recordings After the Event

Flexibility to Select the Sessions That Are Important To You

No Travel Costs and Time Spent Away from the Office

Sponsors:



AMG World
Accelerated Performance

The summit is created and designed by:

Your 2021 Speakers Include:



Chris Milligan,
Factory 4.0 Coordinator - Senior Manager,
Nissan Corporation



Dr. Hendrik Schafstall,
EVP Smart Factory,
Hexagon



Andy Buckland,
Manager – Advanced Technology
and Smart Manufacturing,
General Motors



Stuart Countess,
Chief Operating Officer/Sr. Vice President,
Kia Motors Manufacturing Georgia, Inc.



Annie Zeng,
Technical Expert, Digital Twin & Artificial Intelligence,
Advanced Manufacturing,
Ford Motor Company



Nick Longworth,
Senior Robotics Engineer,
SICK, Inc.



TJ Berlin,
Product Manager,
ifm



Matheus Scuta,
IIoT and Manufacturing Analytics,
Ford Motor Company



Matt Keil,
Automotive Sales Manager,
SICK, Inc.



David Corliss,
Lead Data Scientist – Business Analytics,
Information & Communication Technology,
Fiat Chrysler Automobile



Raj Sohmshtetty,
Senior Technical Specialist,
Process Analytics & Emerging Technology,
Ford Motor Company



Matt Negaard,
Director of Business Development - Smart Solutions,
Banner Engineering Corp.

Who Should Attend

**VPs, Directors, Global Heads
and Managers of:**

- ▶ Industry 4.0
- ▶ Smart Manufacturing
- ▶ Manufacturing Analytics
- ▶ Digital Manufacturing
- ▶ Advanced Manufacturing
- ▶ IoT & Connected Devices
- ▶ Data, AI & ML
- ▶ Plant Management & Operations
- ▶ Emerging Technology
- ▶ Smart Factories
- ▶ Manufacturing Operations/ Engineering
- ▶ Manufacturing IT
- ▶ Manufacturing Automation
- ▶ Robotics

**Our sponsors, technology & solution
providers include:**

- ▶ IoT Platforms
- ▶ Location Detection Technologies
- ▶ Advanced Human-Machine Interfaces
- ▶ Cyber Security, Authentication and Fraud Detection
- ▶ 3D Printing
- ▶ Smart Sensors
- ▶ Big Data & Analytics, AI and Machine Learning
- ▶ Augmented Reality & Wearables
- ▶ Cloud Computing
- ▶ Mobile Devices
- ▶ Integrators

08:55 **Opening Remarks from AMG World**
Mark Giles, Managing Director, **AMG World**

09:00 – 09:40 **The Journey from POC to an Entirely Automated Production Line: From parts through the door to completed product with tools to manage automation**



- ▶ Realizing the potential of fully automated production lines: Enhanced performance and cost reduction
- ▶ Defining, developing and executing a smart manufacturing roadmap
- ▶ Building the business case, gaining buy-in and securing funding to realize the smart manufacturing vision
- ▶ Smart technology: Identifying, procuring and implementation
- ▶ Developing a change management process that works: Preparing, involving, communicating, and engaging with employees

Chris Milligan, Factory 4.0 Coordinator - Senior Manager, **Nissan Corporation**

09:45 – 10:15 **Virtual Lifecycle Manufacturing: Smart manufacturing for the cost-efficient product lifecycle**
Presenter: **Dr. Hendrik Schafstall**, EVP Smart Factory, **Hexagon**

10:20 – 11:20 **Business Transformation Through Technology: Creating and developing a Manufacturing 4.0 strategy that aligns with the organization's strategic goals**



- ▶ Establishing a smart manufacturing and automation strategy: Understanding what level of automation is applicable and selecting the right technology to support it
- ▶ Defining, developing an executing a smart manufacturing roadmap
- ▶ Prioritizing technology projects to overcome business critical problems
- ▶ Overcoming challenges associated with technology transformation and workforce culture changes

Panellists: **Annie Zeng**, Technical Expert, Digital Twin & Artificial Intelligence, Advanced Manufacturing, **Ford Motor Company**

Andy Buckland, Manager – Advanced Technology and Smart Manufacturing, **General Motors**

David Corliss, Lead Data Scientist – Business Analytics, Information & Communication Technology, **Fiat Chrysler Automobile**

Stuart Countess, Chief Operating Officer/Sr. Vice President, **Kia Motors Manufacturing Georgia, Inc.**

11:20 – 11:40 **Networking Break**

11:40 – 12:10 **Culture, Change Management and Leadership: Preparing the manufacturing workforce for smart technology**

- ▶ How evolving consumer product demand has impacted the manufacturing sector
- ▶ Describing Kia's approach to manufacturing technology and its impact on improving operational efficiency and productivity
- ▶ Culture as the key to technology transformation: Preparing the workforce for change and shifting mindsets
- ▶ Laying a foundation for the workforce of the future: Bridging the skills gap
- ▶ Common challenges that face business leaders with trying to achieve these objectives

Stuart Countess, Chief Operating Officer/Sr. Vice President, **Kia Motors Manufacturing Georgia, Inc.**

12:15 – 12:45 **AI & machine learning: Use cases for predictive maintenance and asset optimization**

12:50 – 13:20 **Data & Analytics to Enhance Business Performance: Maximizing operational intelligence by identifying problems, gaining deeper business insights and optimizing decisions**

Matheus Scuta, IIoT and Manufacturing Analytics, **Ford Motor Company**

13:20 – 14:00 **Lunch**

14:00 – 14:30 **Augmented Reality as a tool to improve workforce productivity, production and quality**

14:35 – 15:05 **Additive manufacturing: Customization, personalization, agility, improved order fulfillment whilst reducing production costs**

15:05 – 15:10 **Closing Remarks and End of Summit Day One**

08:55 **Opening Remarks from AMG World**
Mark Giles, Managing Director, **AMG World**

09:00 – 09:30 **Tracking Returnable Assets: Reducing costs and increasing uptime**
Presenter: **TJ Berlin**, Product Manager, **ifm**

09:35 – 10:05 **Evaluating Academic Research and Translating it into Smart Technology for the Factory Floor**
Presenter: **David Corliss**, Lead Data Scientist – Business Analytics, Information & Communication Technology, **Fiat Chrysler Automobile**



**KEYNOTE
PRESENTATION**

10:10 – 11:10 **A Guide to Implementing Expert Machine Vision**

- ▶ The role machine vision plays in industry 4.0
- ▶ An inside look at how SICK's robot guidance systems can provide process improvements to your automotive production
- ▶ How SICK's 2D and 3D vision sensors and gateway systems collaborate for data capture and visualization drive real-time decisions
- ▶ Additional steps you can take to leverage the power of your process data

Matt Keil, Automotive Sales Manager, **SICK, Inc.**
Nick Longworth, Senior Robotics Engineer, **SICK, Inc.**

11:10 – 11:30 **Networking Break**

11:30 – 12:30 **Digital Twins: A framework for understanding and scoping digital twins**
Facilitator: **Raj Sohmshtetty**, Senior Technical Specialist, Process Analytics & Emerging Technology, **Ford Motor Company**

12:30 13:30 **Lunch and networking**

13:30 14:00 **Think Big, Start Small to Prove a Path to Productivity Gains**

- ▶ Leveraging the power of a single data point to gain momentum across your organization
- ▶ Determining how to move quickly and create immediate value with successful pilots
- ▶ Recipes for pilots that increase efficiency, reduce costs, ensure safety, and reduce unplanned downtime

Matt Negaard, Director of Business Development - Smart Solutions, **Banner Engineering Corp.**

14:05 – 14:35 **Autonomous Mobile Robotics: Deployment, flexibility, safety, scalability and ROI**

14:35 – 14:40 **Closing Remarks and End of Conference**

Sponsorship

How can you get involved as a sponsor?

You will be positioned as an industry expert amongst the most prominent and influential players in the development of IoT, AI and Machine Learning. The Smart Manufacturing for Automotive Virtual Event will offer maximum coverage and exposure to a highly engaged and motivated audience, providing a hugely exciting opportunity and platform for you to effectively position your brand whilst highlighting your capabilities to a wider US based audience.

What will you receive as part of sponsorship package?

- ▶ A one hour closed door roundtable with fully qualified delegates where you will join expert panellists from Automotive OEM's
- ▶ 30-minute virtual presentation with both audio and visual content which is broadcast to a live audience within your target demographic, promoting thought leadership and generating quality leads.
- ▶ The opportunity to establish contact with qualified budget holders prior to the event to optimize the discussion and ensure your topic is aligned and your time optimized
- ▶ Virtual pre-arranged one-to-one meetings with qualified delegates that are actively looking for solutions to solve their problems.
- ▶ Thought leadership and brand awareness

We would welcome the opportunity to discuss various options in more detail, for more information please contact:



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AMG World

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T: +44 7734 666 249

Your 2021 sponsors:

