

THE ONLY PEER-LED EVENT DEDICATED TO SMART
MANUFACTURING FOR AEROSPACE & DEFENSE

SMART MANUFACTURING AEROSPACE & DEFENSE



20 April 2023

100% ONLINE | EASTERN TIMEZONE

Leveraging Innovative Technologies and Smart Strategies to Optimize Aerospace and Defense 4.0



CUTTING-EDGE INSIGHT DELIVERED BY INDUSTRY LEADERS:



Bharath Rao,
Senior Research
Lead,
Robotics/AI,
Spirit Aerosystems



Sung Kim,
Chief Product and
Technology Officer,
iBASEt



Alice de Casanove,
Corporate Strategy,
Airbus



Marvin Vincent,
PLM Business
Analyst,
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Your 2023 Agenda

Volatile political landscapes, evolving threat environment and air travel returning back to post pandemic levels are just some of the factors driving demand for advanced and innovative aircraft manufacturing.

In response, aerospace and defense manufacturers are accelerating their adoption of industry 4.0 strategies such as digital twins, AI, IIoT, immersive technologies and more to speed up production and meet demand.

While these technologies offer many benefits, navigating the complex vendor landscape and integrating this technology into a sizeable workforce remains a barrier to success, requiring a clearly defined strategy.



Emily Donohoe
Content Director

Attend this interactive event and acquire the necessary tools to:

Justify the business case and develop a **robust 4.0 strategy** that aligns with organizational objectives and considers current business maturity

Understand and simplify the current and future **regulatory landscapes** to remain compliant and ensure technology is seamless

Educate your **workforce** through **change management** and embed a digital culture to realize the true value of 4.0 technology and manufacturing innovation

Navigate the **IIoT, Digital Twins, Robotics, Machine Health, AI/ML/Advanced Analytics, VR/AR, Cybersecurity, and Blockchain** vendor landscape to identify and select solution providers that best align with your organizational aims and capabilities

Establish a strong **cybersecurity infrastructure** to prevent, identify, and minimize cyber-risks and potential threats

The Event Platform

Our virtual conferences are held via **FLOOR**, an innovative event platform that provides attendees with the opportunity to network and engage in a variety of interactive formats:



Enter the Event Lounge to have private conversations with up to 7 other attendees



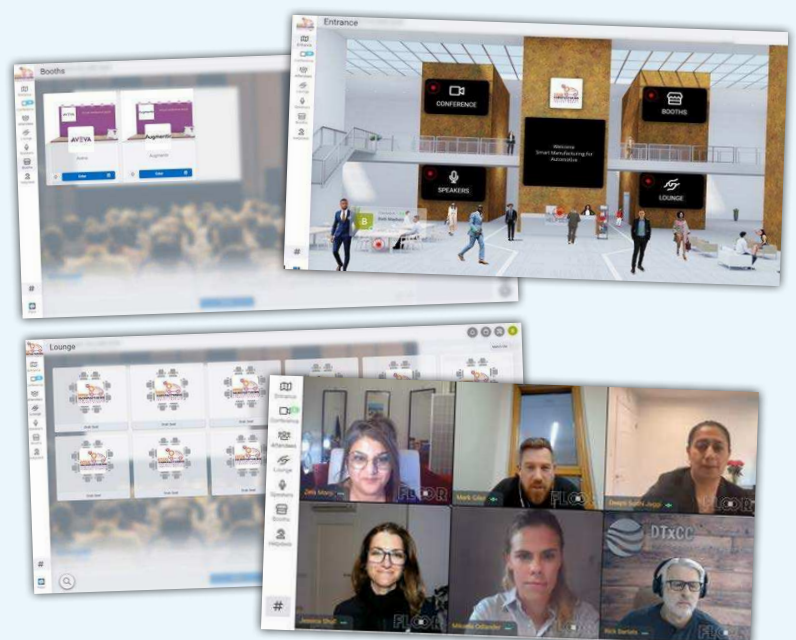
Visit the Virtual Exhibition Booths to connect with vendors and discuss how their solutions can overcome your current challenges



Have your questions answered by taking part in a variety of collaborative discussions and watching live presentations given by Smart Manufacturing experts



Receive the recordings post-event and access them on-demand





How can you get involved as a sponsor?

You will be positioned as industry experts amongst the most prominent and influential players within smart manufacturing, industry 4.0, digital transformation and manufacturing technology. The Smart Manufacturing for Aerospace & Defense Virtual Summit 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 global audience.

What will you receive as part of sponsorship package?

- ➔ A one hour closed door roundtable facilitation role with fully qualified delegates where you will moderate the discussion with qualified panelists
- ➔ 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
- ➔ Thought leadership and brand awareness

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



Simon Wright

CEO

AMG World

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Previous Aerospace & Defense Attendees



Who You Will Meet

This Summit is designed for VP's, Directors, Global Heads and Managers from:

- ➔ Industry 4.0
- ➔ Smart Manufacturing/ Advanced Manufacturing/ Digital Manufacturing
- ➔ Manufacturing Transformation/Digital Transformation/Factory Transformation
- ➔ Manufacturing Engineering/ Manufacturing Operations
- ➔ Robotics and Automation
- ➔ Emerging Technology
- ➔ IoT & Connected Devices
- ➔ Digital Twins
- ➔ Digital Strategy
- ➔ Data / Data Science
- ➔ Manufacturing Analytics
- ➔ Artificial Intelligence
- ➔ Machine Learning
- ➔ Supply Chain
- ➔ Change Management

Our sponsors include technology, service & solution providers specializing in:

- ➔ Digital Twins
- ➔ Industrial IoT
- ➔ Artificial Intelligence
- ➔ Machine Learning
- ➔ Data & Analytics
- ➔ Cybersecurity
- ➔ Machine Health
- ➔ Maintenance
- ➔ Automation and Robotics
- ➔ AR/VR
- ➔ Cloud
- ➔ Mobile Devices
- ➔ Connected Worker
- ➔ Operational Technology/ Process Control



Your 2023 Speakers Include:



Bharath Rao,
Senior Research Lead, Robotics/AI,



Sung Kim
Chief Product and Technology Officer



Josef Kriegmair,
Representative Industrialization Production
Systems



Marvin Vincent,
PLM Business Analyst



Alice de Casanove,
Corporate Strategy



Jan de Nijs,
LM Fellow

Smart Manufacturing for Aerospace & Defense Agenda	
08:30	Networking Break and Virtual Exhibition
09:00	Opening Remarks Emily Donohoe , Conference Director, AMG World
09:10	Digital Transformation Relies on Digital Empowerment: Spirit AeroSystems 4.0 Journey So Far Case Study: <ul style="list-style-type: none"> • What digital manufacturing means to our organization: The importance of understanding organizational goals and capabilities prior to starting your digital journey • Transforming production without reinventing the wheel: Utilizing existing resources, knowledge, and skills to build a digital factory foundation • Overcoming common barriers to digital transformation: Connecting the dots between people, process, and technology • Where do we go next: Future opportunities, trends, and goals Bharath Rao , Sr. Research Lead - Robotics AI, Spirit AeroSystems
09:45	Exploring How the Digital Twin is Transforming Aerospace and Defense Manufacturing in 2023 <ul style="list-style-type: none"> • Evaluating the key applications and use cases for digital twins across aerospace and defense manufacturing: Benefits, challenges, considerations • Analyzing data gathered from digital twins to uncover safety concerns and enhance quality control measures • Leveraging digital twins to reduce risk and increase deployment rates of critical aviation systems • Bridging the gap between digital and physical systems for a streamlined two-way information flow
10:20	Proposing an Ecosystem of Standards for Scalable Integration of Manufacturing Technology <ul style="list-style-type: none"> • Understanding the value of data quality for aerospace and defense 4.0 • Leveraging metadata to create a functioning digital thread • Creating an ecosystem of smart standards to scale technology and advance innovation within your manufacturing plant • Smart manufacturing requires a smarter approach: Generating actionable data insights for optimized production Jan de Nijs , LM Fellow, Lockheed Martin
10:50	Networking Break and Virtual Exhibition
11:10	How To Ensure Your Connected Factory Remains Secure: Managing Endpoints, Protecting Assets, and Monitoring Data Vulnerability <ul style="list-style-type: none"> • Smarter manufacturing requires smarter security: Raising awareness at workforce level to eliminate internal vulnerabilities and reduce cyber threats • Reviewing and refining best practice security strategies for plant safety and data protection

	<ul style="list-style-type: none"> Defining organizational priorities and adopting a culture that is equipped to identify and respond to increased security breaches Developing and allocating dedicated resources to research, investigate, validate, and scale cybersecurity measures and solutions across the plant
11:45	<p>The Smartest Manufacturing Tech Stack that Doesn't Break the Bank</p> <p>iBase-t Chief Product & Technology Officer, Sung Kim, shares how discrete manufacturers can prepare for rapid growth through the cloud. His presentation will address valuable business and technical insights to help you understand today's cloud security, scalability and ecosystem.</p>
12:20	Networking Lunch
12:50	<p>Overcoming Unique and Common Barriers to Industry 4.0 Adoption in Aerospace and Defense</p> <ul style="list-style-type: none"> What is slowing the widespread adoption of smart manufacturing across the Aerospace and Defense value chain? The importance of streamlined communication across the workforce: Exploring a suitable approach to overcome cultural resistance to technology Reviewing the legal and regulatory landscape surrounding the smart manufacturing industry: Outlining future implications and overcoming current barriers to digitization Exploring parallels and distinctions across different manufacturing sectors: Leveraging insights from other sectors to streamline aerospace and defense 4.0 Selecting the right solution for your organization: Considering interoperability, legacy systems, digital capabilities, and business direction How do we continue to drive innovation and development across aerospace manufacturing? <p>Josef Kriegmair, Representative Industrialization Production Systems at MTU Aero Engines Marvin Vincent, PLM Business Analyst, Moog Alice de Casanove, Corporate Strategy, Airbus</p>
13:50	Closing Remarks