The Festival of Advanced Manufacturing & Engineering

5 - 6 JUNE 2024 | NEC BIRMINGHAM

INCORPORATING LIVE EVENTS

REGISTER FREE NOW
mandeweek.co.uk
Wednesday 5 June 2024
09:30 - 17:00 Exhibition (VIP and Summit Attendees access from 09:00)
10:00 - 16:00 Summit and Seminar Sessions
16:30 - 18:00 Drinks Reception (Last Entry 16:30)

Thursday 6 June 2024
09:30 - 16:00 Exhibition (VIP and Summit Attendees access from 09:00)
10:00 - 16:00 Summit and Seminar Sessions

Venue
Halls 4 & 5, The NEC, Birmingham, B40 1NT

Free visitor passes provide access to all 6 colocated events plus other events at the same time and venue:

***mandeweek.co.uk***
You’re invited to the UK’s festival of advanced manufacturing and engineering!

Thousands of manufacturers, large and small, from all over the UK and abroad are coming to Smart Manufacturing & Engineering Week 2024 to share successes, gain insights, celebrate industry, and source products and services in order to stay competitive, innovative and future-focused.

This dynamic series of co-located events is designed to equip attendees with the tools and knowledge they need to thrive in today’s competitive landscape, fostering connections, sparking innovation, and driving progress. Explore end-to-end manufacturing and engineering solutions and a diverse array of engaging content, including summits, solutions-oriented presentations, hands-on workshops, and interactive demonstrations.

No matter the complexity of your design, engineering, or manufacturing challenge, Smart Manufacturing & Engineering Week 2024 offers an unparalleled opportunity to connect with industry experts, exchange ideas, and discover actionable solutions that will propel your business into the future. Don’t miss out on this transformative experience – join us and be part of shaping tomorrow’s advancements today!

Grace Gilling
Managing Director,
The Manufacturer
Event Director, Smart Manufacturing & Engineering Week

Laura Parris
Event Director, Drives & Controls, Air-Tech Exhibition & Fluid Power & Systems

THANKS TO OUR SPONSORS & PARTNERS

Premier partners

Sponsors

SME Zone Exhibitors

A + S International 4-F10
MobileWorxs 4-F12
SDT International 4-H14

Solarvista 4-K12
Telecetera 4-F12
Celebrate the best in UK manufacturing and engineering excellence and innovation at Smart Manufacturing & Engineering Week 2024.

Brimming with expert content, valuable peer-to-peer interaction and the best products and services available, Smart Manufacturing & Engineering Week is the largest UK festival of advanced manufacturing and engineering of the year, showcasing cutting-edge innovations in hardware and software and solutions to the current industry challenges being faced.

The week hosts 6 live co-located expos, 3 Summits, 2 awards, and numerous satellite events at the NEC in Birmingham - Smart Factory Expo, Design & Engineering Expo, Drives & Controls, Maintec, Fluid Power & Systems and Air-Tech.

Together the events showcase end-to-end manufacturing and engineering solutions, to encourage business and knowledge sharing across a range of sectors including aerospace & defence, automotive, food and beverage, energy & renewables, oil & gas, pharmaceuticals, construction, agriculture, electronics and FMCG.

ANOTHER CARBON NEUTRAL EVENT!

In association with our partner Forest Nation, we have have once again calculated the emissions generated from the running of our live shows and to help offset this, have organised the planting of an extra 3,164 trees in our dedicated forest taking the total to 24,847. 1 tree will also be planted for every visitor that attends on the 5 - 6 June at the NEC Birmingham! Do your bit, register now to join us on our sustainability journey!

Find out more at mandeweek.co.uk/tree-planting
Attracting an extraordinary audience of 12,500+ manufacturing & engineering business professionals, it’s THE place to engage with like-minded people across the full spectrum of industry from design, engineering, manufacturing and maintenance. With a host of networking initiatives, after-hours drinks, The Manufacturer Top 100 Awards Ceremony and Enginuity Skills Awards there is a real festival vibe. Don’t miss the opportunity to build key relationships, expand your network and connect with your peers during three focused live event days.

Featuring the biggest names from the world of manufacturing & engineering across solution theatres, summits and masterclasses. Including keynotes from thought leaders and solutions experts, there are hours of free content located around the show floor. Turn to pages 18-27 for a sneak peak at the FREE content available.

Visitors can find the very best solutions on offer, including the latest technology offerings from start-ups, alongside established brands and companies that truly support & advance the manufacturing and engineering sector. Turn to pages 10-14 for our exhibitor list so far.
For manufacturing professionals to keep up-to-date and discover the latest technologies, processes and thinking behind Industry 4.0. For manufacturers at all stages of their digital journey looking to optimise manufacturing processes and production for the future. smartfactoryexpo.com

Maintec is the longest-standing exhibition dedicated to the maintenance, reliability and asset management industry. Covering industrial, buildings & supply chain maintenance engineering, it provides an opportunity to source the very latest technology available on the market. maintec.co.uk

Here, the UK’s design engineering community can connect directly with leading suppliers from design services, electronics, and embedded design through to testing and measuring to drive efficiencies and propel the future of design engineering in the UK. designengineeringexpo.co.uk

The UK’s premier event for robotics, automation, power transmission & motion control. Covering areas such as energy efficiency, machine safety, drives, motion control, robotics and automation plus much much more, with specific focus on: supply chain, sustainability, skills gap, regulatory compliance, cybersecurity, and digital transformation. drives-expo.com

Air-Tech offers a unique opportunity for businesses in the compressed air, generators, and vacuum market to connect with a highly targeted audience. This event attracts manufacturers, distributors, and end-users worldwide, providing a platform for networking and gaining insights into industry trends and technologies. airtech-expo.com

Fluid Power & Systems focuses on hydraulic and pneumatic equipment for the industrial and mobile markets showcasing products that facilitate better electro-mechanic system design and application for improved process automation, control, monitoring and analytics. fluidpowersystems-expo.com
Taking place on the evening of Wednesday 5 June, the Enginuity Skills Awards offers you the opportunity to support the sector in recognising the best talent and organisations championing skills development.

Now in its 10th year, the ceremony brings together 300 leaders from across the UK’s engineering and manufacturing industries providing you an exclusive opportunity to be part of a prestigious event, network with leaders, and shape the future of the industry.

Find out more: enginuity.org/skills-awards-2024

WEDNESDAY 5 JUNE

BY APPLICATION ONLY

Now in its 11th year, The Manufacturer Top 100 scours the length and breadth of the nation to find the 100 most dynamic leaders and innovators in manufacturing, nominated by The Manufacturer’s audience, the industrial community and judged by a panel of industry leaders, academics and manufacturing associations.

The Manufacturer Top 100 celebrates the heroes of UK manufacturing and recognises their contribution to Net Zero, Digital Transformation, Innovation and Leadership. We shine a spotlight on Unsung Heroes, Sector Activists and the Young Pioneers making an impact in the industry disproportionate to their years.

Join us for the reveal of this year’s cohort and one of the biggest nights in the manufacturing industry’s calendar, attended by the Top 100 brightest manufacturing stars, judges, Top 100 alumni and the wider manufacturing community.

Find out more: themanufacturertop100.com

WEDNESDAY 5 JUNE

PAID FOR

Enginuity
Skills Awards 2024

Taking place on the evening of Wednesday 5 June, the Enginuity Skills Awards offers you the opportunity to support the sector in recognising the best talent and organisations championing skills development.

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Find out more: enginuity.org/skills-awards-2024
Industrial Data & AI Summit focuses on the fuel that powers manufacturing digitalisation – data. Specifically for analysts, scientists, and other data professionals, Industrial Data & AI Summit drills down beyond ‘digital transformation’ and ‘dashboards’ to topics of greater intellectual challenge, depth and focus such as data integration, governance and monetisation, advanced analytics, visualisation and results communication.

The Summit is designed for the UK’s largest defence, automotive, aerospace, electronics, pharma, FMCG and food and drink manufacturers. It serves as a platform to explore best industrial data practices, offering tailored interactive roundtable discussions sessions designed to facilitate optimal peer-to-peer knowledge exchange to allow data professionals to ‘deep-dive’ into critical data challenges.

Find out more: industrial-data.uk

Manufacturing Digitalisation Summit brings together digital-minded senior manufacturing leaders to discuss how to successfully plan and implement a digitalisation strategy across their business that addresses organisational, operational, and cultural shifts.

Now in its fourth year, the event provides an opportunity for industry leaders to come together to discuss how digital technologies and processes (such as IT/OT convergence, AI, machine learning, IoT, 5G, digital twins, automation, and advanced analytics) can improve their competitiveness and profitability, whilst satisfying ESG commitments.

The Summit maintains its award-winning format, comprising 60% discussion sessions and 40% plenary to ensure optimal peer-to-peer knowledge exchange.

Find out more: manufacturing-digitalisation.com
There will be over 450 exhibitors across the 6 exhibitions comprehensively covering manufacturing and engineering technology, services and solutions. Exhibitors include:

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Correct at time of print
Hunter Selection are welcoming all challengers to a magic number darts challenge with former world number 1, Peter ‘one dart’ Manley!

Drop by at the wellbeing zone for a free smoothie! Our Smoothie Bikes harness your pedaling energy to mechanically power a blender! 30 seconds of pedaling rewards you with a healthy, nutritious drink.

Make sure you stop by and spin the wheel to win prizes on the day, there are free drinks, massages, parking vouchers and more up for grabs with other mystery gifts!

Meet our resident Robot, T-1-FNY (Tiffany) inspired by the famous Terminator films. Be intrigued by how AI and object recognition works and laugh at how a 300kg 8ft high robot can be taught to do the ironing!

REGISTER FREE NOW  mandeweeke.co.uk
Launched in 2020, the Made Smarter Innovation Challenge is a key player in the government’s Industrial Strategy Fund (ISCF). Its mission was to propel the UK’s manufacturing sector into the future by harnessing the power of industrial digital technologies (IDTs).

**THE GOALS WERE CLEAR**

**Sustainability Leadership:** Boosting the industry’s environmental footprint through increased resource reusability, reduced waste, and lower carbon emissions.

**Economic Powerhouse:** Driving a £2.3 billion rise in Gross Value Added (GVA), creating high-skilled jobs, and propelling a 30% productivity increase.

**Manufacturing Redefined:** Achieving a 4.5% decrease in carbon emissions and a 25% reduction in manufacturing waste, solidifying the UK’s position as a global leader in sustainable, efficient manufacturing.

**INVESTING IN INNOVATION, DELIVERING RESULTS**

Over the past four years, the Made Smarter Innovation Challenge has poured over £120 million in funding into more than 60 groundbreaking projects. This investment has spurred an additional £130 million+ from industry partners, fostering a collaborative ecosystem of innovation.

The **Made Smarter Innovation Showcase at Smart Factory Expo** this year will be a testament to these achievements. It will feature:

- **Success Stories:** Discover how the Challenge has empowered businesses to push the boundaries of manufacturing.
- **Industry Leaders:** Meet and learn from some of our esteemed partners

Join us at the forefront of manufacturing and meet the innovators.

Visit the Made Smarter Innovation Showcase to witness how Innovate UK and its partners are revolutionising UK manufacturing. Together, we’re shaping a future that’s sustainable, productive, and globally competitive.

**ORGANISATIONS JOINING US AT THE SHOWCASE WILL INCLUDE;**


**START UP ZONE**

The Startup Zone is the UK’s leading platform to promote the next wave of technology to support manufacturers. Located at the heart of Smart Factory Expo within Innovation Alley, come and meet the startup businesses at an early stage of their journey. Want to be involved? Businesses that meet the criteria can apply for a position in the Startup Zone.

**Get in touch today - enquiries@mandeweek.co.uk**
There will be over 90 content sessions delivered across 8 Solution Theatres. Speakers include:

**ANDREA BANFI**
Head of Data and Analytics
Safran

**JONATHAN PEEDELL**
Head of Maintenance

**NEELOFAR ANSARI**
Senior Manufacturing Engineer
BAE Systems

**RASHITHA JAYASEKARA**
Director Digital and Technology
GSK

**KALLUM WELCH**
Head of Manufacturing Engineering IS&S
Airbus

**GEOFF MACKEY**
UK Country Head
Plastics Europe

**KATIE PAXTON-FEAR**
API Security Researcher and Lecturer in Cyber Security

**DALE CROW**
Electricity & Automation Leader
Nestlé

- Scan to view full speaker list

Researched and Produced by: The Manufacturer
SESSION HIGHLIGHTS

THE IMPLEMENTATION OF A SMART WORLD - SEAMLESSLY INTEGRATING NEW AND OLD
The continued use of standalone and nonconnected equipment and its place in a cost conscious Industry 4.0 factory.
Jonathan Peedell, Head of Maintenance - Bentley Motors

CONDITION BASED LUBRICATION: THE RIGHT WAY TO PREVENT PREMATURE BEARING FAILURES
Learn about how Ultrasound can help you improve the way your maintenance tasks are planned. Reducing unnecessary activities and focussing on those that really need it. Condition Based Lubrication - The way forward to improve your asset health.
Christopher Hallum, CMRP - UE Systems

IMPROVING PRODUCTIVITY BY CHANGING THE MRO SUPPLY CHAIN DYNAMICS
This session explores The MRO Supply Chain Report that was subsequently produced in association with the IET.
Lewis Bratcher, National Sales Manager - OnSite Solutions - ERIKS Industrial Services

BEYOND BOLTS AND BEARINGS: HOLISTIC FACILITIES AND MAINTENANCE MANAGEMENT AND IMPACT ON CULTURE
Discover how a diverse and innovative maintenance and facilities team can go beyond fixing equipment and impact culture and the bottom line.
Philip Dewson, Head of Maintenance and Facilities - Brompton Bicycle

KEEPING UP WITH THE LATEST TRENDS IN ASSET MANAGEMENT
This session will provide insights into industry trends in enterprise asset management from the IFS EAM trend report. We will explore the EAM maturity model and provide tips to improve your maintenance maturity now and in the future.
Georgia Hale, Sales Consultant - IFS Ultimo

Subject matter includes: Eliminating downtime, effective condition monitoring, data intelligence, PLM, predictive maintenance, reliability, asset management, health & safety.

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SESSION HIGHLIGHTS

PRODUCT DESIGN TODAY, AN ESSENTIAL FOR CIRCULARITY
We need a future where design and lifecycle analysis drive innovation and environmental responsibility, emphasizing durability, repairability, and modularity to extend product lifecycles, reducing disposal frequency and promoting circularity.
Geoff Mackey, UK Country Head - Plastics Europe

How does the Skills Gap Affect the Future Technology Sector
Sam Tilley, Country General Manager (UK, Ireland & Denmark) - Omron
Carl Diver - Manchester Metropolitan Uni

USING CAD DATA TO DRIVE DATA FUSION AND 3D VISUALISATION
CAD data is now very familiar across all industries but how much value is locked up in that data and should the access just be restricted to the Engineering team. We will explore the ways that CAD data can be used to bridge the Engineering - Production
Roy Haworth, Head of Digital Mock Up Process and Implementation - Airbus Defence & Space

THE THRUST WATER SPEED HYDRO PROJECT
• The History of Thrust 2 and Thrust SSC Land speed records
• The Importance of Bloodhound Education
• The Recent history of water speed record
• The Advanced technology being developed for Thrust WSH
• The 3 year research programme
• The Importance of their critical survey

SUSTAINABLE RECONFIGURATION OF CYBER-PHYSICAL SYSTEMS IN THE ERA OF INDUSTRY 5.0
Jelena Milisavljevic Syed, Senior Lecturer in Manufacturing Systems - Cranfield University, School of Aerospace, Transport, and Manufacturing

Subject matter includes: Business-led case studies, CAD, cyber and sustainability.

Correct at time of print
UNLOCKING DATA IN YOUR FACILITY: MODERN SOLUTIONS FOR LEGACY PLANT MANAGEMENT
During this presentation, we delve into the critical aspect of collecting essential data from legacy plants across the factory, spanning from goods-in processes to the final product stage.
Tim Dodd, Products and Key Technologies Team Leader - ifm electronic Ltd

REVOLUTIONISING MAINTENANCE: HARNESSING AI FOR PREDICTIVE MAINTENANCE AND ENHANCED EFFICIENCY
Our discussion delves into the essence of AI-driven data analysis and its crucial role in facilitating proactive maintenance strategies, directly tackling the gap caused by a shortage of skilled labour.
Ankush Malhotra - Fluke Reliability

HUMAN AUGMENTATION: CONNECTING WITH MANUFACTURING ENVIRONMENTS
Find out how the deployment of technologies such as Wearables, Data Visualisation and Cobotics can bring major benefits on the shop floor.
Neelofar Ansari, Senior Manufacturing Engineer - BAE Systems

EMBRACING EVOLUTION: NAVIGATING CULTURAL CHANGE IN THE DIGITAL ERA
Delve into the crucial role of leadership and engagement in driving successful digital transformation within manufacturing organisations. This presentation navigates the cultural change required to embrace the digital era effectively.
Kallum Welch, Head of Manufacturing Engineering IS&S - Airbus

DEMYSTIFYING DIGITALISATION AND GROWTH
Daniel Smalley, Business Manager Factory Automation - Siemens

SESSION HIGHLIGHTS

HOW IONA IMPROVES ROBOT PERFORMANCE AND WHY THIS IS ESSENTIAL FOR MODERN-DAY MANUFACTURING
Craig Davey, COO - INSPHERE Ltd

AI AND CYBER SECURITY: THE HIGHS, LOWS, WOES AND FOES
Katie Paxton-Fear, API Security Researcher and Lecturer in Cyber Security - Manchester Metropolitan University

DATA-DRIVEN CULTURE: THE SMART WAY TO DIGITAL SUCCESS
Have you ever tried to implement new technology and wondered why it has failed? Have you struggled to get buy-in from senior leaders in data governance topics?
Claire Bailey, Head of Data and Analytics - Saffran Seats

MARS CASE STUDY: VALUE UNLOCKS LEVERAGING DECISION INTELLIGENCE IN SUPPLY CHAIN
Explore the latest thinking and approaches in deploying Advanced Analytics to unlock unprecedented levels of operational performance.
Mircea Oprisan, Senior Director Data & Analytics Delivery - Mars

SIMPLE AND PRACTICAL PREDICTIVE MAINTENANCE TOOLS USING ARTIFICIAL INTELLIGENCE
This presentation presents new and practical AI solutions for machine builders or end users to incorporate in their (new or existing) machines.
Steve Sands, Projects - Festo

SIMPLIFYING AI ADOPTION IN MANUFACTURING: A PRODUCT-BASED APPROACH
Insights into how a simplified, product-based approach can vastly improve adoption rates.
Charles Wright, UK Director - Data & Analytics - Columbus

SESSION HIGHLIGHTS

DIGITAL EMPOWERMENT: BUILDING A WORLD-CLASS EXTERNAL SUPPLY CHAIN POWERED BY TECHNOLOGY
In today’s rapidly evolving landscape, manufacturing enterprises are embracing digital transformation to enhance their external supply chain networks.
Rashitha Jayasekara, Director Digital and Technology - GSK

HOW SIMULATION BASED DIGITAL TWINS CAN DRIVE SUSTAINABILITY IN INDUSTRY
In this session Digital Twin and Simulation experts from Royal HaskoningDHV will discuss the challenges faced by industrial clients and how combining technologies can bring value to clients as they try to navigate an endless number of possibilities to achieve their goals.
Ben Lomax Thorpe, Global Leading Professional - Digital Twins
Darren Travers, Business Development Director Industry - Twinn

THE DIGITAL BACKBONE OF MODERN MANUFACTURING: CASE STUDIES FROM ILKE HOMES
This presentation, led by Craig Douglas, CEO of DataFlowIQ, unveils the journey of integrating bespoke digital solutions to streamline and elevate manufacturing processes.
Craig Douglas - DataFlowIQ Ltd

THE CONNECTED WORKER: NO LONGER A MISSING LINK IN INDUSTRY 4.0 & ADVANCED MANUFACTURING
Industry 4.0 transformation is happening everywhere.
Tom West - MakuSafe Wearable Tech

THE THREE HORIZONS OF YOUR DIGITAL AND DATA STRATEGY
This presentation will offer an overview of how to start small, move quickly and think big, and swiftly move from the drawing board to implementation.
Robert Clifford, Head of Digital and Data - BAE Systems

Subject matter includes: supply chain software, digital twins, Industry 4.0 transformation, cloud, data strategy, sustainability.

Correct at time of print
SESSION HIGHLIGHTS

SMES AND AUTOMATION: OVERCOMING COMPLEXITY AND CHALLENGES DURING AND AFTER IMPLEMENTATION
David Santos, Head of Manufacturing Engineering & Automation - Chelton

KEEPING MACHINERY SAFE IN A DIGITAL WORLD
Join Jason Reed, Machinery Safety Specialist at Pilz Automation Technology, as he unravels the critical intersection of industrial automation, cybersecurity, and employee safety in the era of digitalisation.
Jason Reed, Machinery Safety Specialist - Pilz Automation Ltd

SELECTING THE OPTIMAL FIELD-LEVEL MACHINE CONTROL ARCHITECTURE
With his extensive experience in industrial automation engineering and business development, Josh will guide you through choosing the right field-level control architecture to maximize machinery performance, efficiency, and cost-effectiveness.
Josh Roberts, Product Marketing Manager - Festo Ltd

INDUSTRIAL AUTOMATION TRENDS, PAST PRESENT AND FUTURE
David Barret Hague, Industrial Automation Marketing Manager - Schneider Electric
Grant Coffin, Software and Control Business Manager, UK & Ireland - Rockwell Automation

AGILE ENGINEERING CYCLES: OPTIMISING DESIGN, DEVELOPMENT, AND DEPLOYMENT IN MANUFACTURING
By integrating agile practices into design, development, and deployment processes, organisations can enhance efficiency, adaptability, and product quality.
Krishna Mistry, VP of Series Engineering - Verge Motorcycles

THE IMPORTANCE OF SUSTAINABLE MANUFACTURING
Martyn Williams, Managing Director - COPA Data
Patrick Dion-Fehily, Digitalisation Specialist - Mitsubishi Electric


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SESSION HIGHLIGHTS

FILLING THE SKILLS GAP AND OFFERING OPPORTUNITY
The manufacturing sector is struggling to fill over 60,000 vacant positions. The BFPA is working with its member to help overcome this significant challenge.
Chris Butcher, Managing Director - BFPA

NAVIGATING THE PEOPLE AND SKILLS LANDSCAPE IN MANUFACTURING AND ENGINEERING
From skill shortages to the imperative of diversity and inclusion, we investigate the critical aspects shaping the workforce dynamics in these industries.
Colin Guttridge, Principal Manufacturing Engineer - Baker Hughes

FLUID INJECTION INJURIES
This training session will provide a comprehensive overview of fluid injection injuries, covering their causes, consequences, prevention, and the importance of immediate medical attention if an injury occurs.
Martin Kingsbury - BFPA

LEVERAGING TECHNOLOGY TO MAXIMISE FUNCTIONALITY AND PERFORMANCE
Exploring the utilisation of both new and existing technologies to boost productivity and efficiency whilst examining the role of emerging communication protocols like IO-Link in optimizing power transmission, automation, and control systems, particularly in the context of hydraulics and pneumatics.
Dale Crow, Electricity & Automation Leader - Nestle

ARE UNIVERSITIES FAILING TO EQUIP ENGINEERS TO DEAL WITH INDUSTRY NEEDS?
Exploring the utilisation of both new and existing technologies to boost productivity and efficiency whilst examining the role of emerging communication protocols like IO-Link in optimizing power transmission, automation, and control systems, particularly in the context of hydraulics and pneumatics.
John Kraus, Chief Executive - Engineers Without Borders UK

THE STANDARDS DEVELOPMENT PROCESS
Explore the role standards play in facilitating international trade and improving product quality, safety and interoperability.
Nicky Quinn, Standards & Projects Manager - BFPA
Philippa Younas, Standards Development Manager – Standards Assist - BSI Group

Correct at time of print Subject matter includes: People and skills, fluid injuries, standards, leveraging technology.
SESSION HIGHLIGHTS

ENERGY SUSTAINABILITY AND NET-ZERO FOR SCREW COMPRESSORS
The talk will introduce the University and the Centre and concentrate on the recent projects called Smart Efficient Compression, Reliability and Energy Targets (SECRET) and the Industrial consortium for Compressors and Expanders in Future Energy Systems (CERES).
Ahmed Kovacevic, Research Chair in Compressor Technology - City, University of London
Ivona Ivkovic-Kihic - City, University of London

PDM ANALYSIS LTD, THE CREATOR AND DISTRIBUTOR OF SOFTWARE SCORG FOR DESIGN AND ANALYSIS OF SUPERIOR SCREW COMPRESSORS AND EXPANDERS
PDM Analysis Ltd is the creator of software SCORG for design and analysis of screw compressors and expanders for future energy systems. The software is used by most of leading OEMs in air and vacuum technologies, hydrogen compression, refrigeration, air conditioning, high temperature heat pumps, oil and gas and process industries.
Ahmed Kovacevic, Research Chair in Compressor Technology - City, University of London

WHY IT/OT PROJECTS FAIL
IT/OT convergence can enhance systems’ reliability, efficiency, and flexibility, enabling manufacturers to optimise energy usage, reduce costs, and improve sustainability while maintaining operational resilience.
Alice Quinn, Senior Manufacturing Technology Engineer - 3M PLC

FROM EFFICIENCY TO EXCELLENCE
High-Class Industrial Gasses Purification from the Compressed Air We Breath to Green Hydrogen Production.
Simon Bathurst, Sales Manager for Industrial Gasses - Donaldson

HARMONISING PEOPLE, SKILLS, AND TECHNOLOGY: THE PATH TO MANUFACTURING INNOVATION AND EFFICIENCY
In the dynamic landscape of modern manufacturing, the convergence of people, skills, lean improvement methodologies, digital technologies, and efficiency is crucial for sustainable growth and competitiveness. This discussion aims to explore how organisations can effectively bring these elements together to drive innovation, optimise processes, and empower their workforce.
Ioana Hera, Head of Improvement - Rolls Royce

Subject matter includes: energy sustainability, PDM analysis, People & skills, hydrogen production.

Correct at time of print
The Institute for Manufacturing (IfM) Theatre showcases research and knowledge transfer activities from the Institute for Manufacturing, University of Cambridge.

Find inspiration for solving complex challenges like sustainability, technological innovation and digitalisation using approaches and knowledge developed at the IfM that are grounded in exceptional research and combined with industrial expertise.

Join our sessions for the opportunity to explore and work through challenges in a supportive and open environment.

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<tr>
<td></td>
<td>PRE-BOOKED SESSION</td>
<td>Liz Salter, Industrial Associate, IfM Engage - University of Cambridge</td>
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<td>Alan Thorne, Senior Technical Officer, Institute for Manufacturing - University of Cambridge</td>
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</tbody>
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<table>
<thead>
<tr>
<th>DAY 1</th>
<th>14:00 - 14:30</th>
<th>UK INNOVATION REPORT 2024 - MACHINERY AND EQUIPMENT MANUFACTURING FOCUS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OPEN TO ALL</td>
<td>Dr Mateus Labrunie, Policy Analyst, IfM Engage - University of Cambridge</td>
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<tr>
<th>DAY 2</th>
<th>09.30 - 15.30</th>
<th>IFM DIGITAL LAB</th>
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<tbody>
<tr>
<td></td>
<td>OPEN TO ALL</td>
<td>See hands-on demonstrations of some of the latest technology research from the IfM.</td>
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</table>

Places at the pre booked sessions are limited so early sign up is advised.

Correct at time of print
Automation and Robotics Accelerator Symposium is where automation-minded manufacturing executives from across the sector discuss best practices and share knowledge on implementation and optimisation of automation and robotics in their businesses.

The half-day event will help manufacturers see automation as an enabler of business growth, rather than an ongoing business cost. It will be particularly beneficial to those with uncertainty regarding the automation business case, the financing options, the most appropriate implementation and operating strategies.

Suitable for those who are yet to automate, and for those who are already leveraging the value of automation and robotics in production.

The Symposium’s innovative format focuses on a series of intimate and interactive roundtable discussion sessions limited to 8 participants.

Attendees will choose one of the following three discussion topics:

- **Session 1**
  - Building a Business Case
  - Implementation Strategies
  - Operating Challenges

- **Session 2**
  - Innovation and Technology
  - Workforce Adoption and Reskilling
  - Cyber Security

Correct at time of print
We’ve designed Smart Manufacturing & Engineering Week to maximise value and relevance for every visitor. Whether you’re looking to improve productivity, streamline, become more competitive or optimise future strategy, you’ll find the opportunities, contacts and content to meet your goals here.

BEST OF BRITISH SHOWCASE

Join us in a celebration of domestic manufacturing, featuring world-beating new designs, innovative modes of manufacture, products that redefine categories, and export successes that plant the flag in overseas markets.

Participants include the finalists in The Manufacturer MX and Top 100 awards programmes, and recommendations from the editorial team.

EXCLUSIVE FOR 2024

We know what it takes to break records on land – we’ve set four of them – but the water speed record is unknown territory. It hasn’t been beaten since 1978 and has a deserved reputation for being dangerous.

The Thrust Water Speed Hydro Project is designing a high-speed boat capable of breaking the water speed record but in order to do this it requires considerable research on advanced aero and hydro dynamics.

Come and see progress to date, meet the team behind this exciting and innovative engineering project and see the Railton model of 1954 which initiated the whole project.

TECHNOLOGY SHOWCASE ARENA

The Technology Showcase Arena is a dynamic space serving as an interactive demo area for the latest in wearables, robotics, and beyond. Come and see technology in action, and get hands on with the latest game changing kit!
Ready to showcase your guitar talents to the world? Play a classic intro to a song in our recording booth and be in with a chance to win a bespoke 3D printed guitar! What’s more, the winner on Day 1 will have the chance to play with the live band who will entertain both visitors and exhibitors alike at the Day 1 after-party! Find out more at mandeweek.co.uk/guitar-competition

Well being zone:

Step into this serene oasis amidst the bustling expo, where you can disengage, relax, and recharge your mind. Leave your worries at the door and indulge in mindfulness activities, and discover techniques to promote a healthier worklife balance.

Well being zone includes:

- A dedicated quiet space
- A soft seating area
- A hydration station
- Pay-what-you-like masseuse
- Free wellbeing resources
- 2x Smoothie Bikes

Come and get a free smoothie whilst you are onsite!

The Manufacturer Directors’ Forums are candid discussions about the realities of running manufacturing businesses in today’s climate, providing the best opportunity for peer-to-peer networking and insight into the manufacturing C-Suites’ current business issues. These high level round table discussions focus on key subjects to drive efficiency, sustainability and innovation. Find out more: enquiries@mandeweek.co.uk
Join us at the end of day one as we raise a glass to the resilience of the manufacturing & engineering industry. Reignite conversations, build your professional network and speak to experts who are experiencing similar challenges at the drinks reception open to all. **Join your colleagues and peers in the central networking area - the perfect place to unwind with live music from our headliners The Shadow Monkeys.**

**DRINKS RECEPTION**

On the afternoon of Day 2 we will be holding a ‘Happy Hour’. Look out for the **Happy Hour icon** on the stands that are participating. **Drop by for refreshments and snacks between 14:00 - 15:00 on 6 June.**

**HAPPY HOUR**

Connect+ Live is a concierge service that pre-qualifies and matches visitors with thoughtfully selected solution providers via face-to-face meetings. We work with an expert agency specialising in business matchmaking, to preschedule meetings to match buyers needs with our exhibitors – ensuring they find the solutions to meet their requirements. If you have an active project and want to join the programme please get in touch. **Email enquiries@mandewee.co.uk**

**HOSTED BUYER PROGRAMME**

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**REGISTER NOW**

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CNNATIONAL NETWORKING EVENT
Manufacturers & Engineers of the Future has been developed as a key platform for connecting, informing and motivating the next generation of industry talent and for showcasing the digitally-led products and services that will form the future of advanced manufacturing and engineering in the UK. Taking place during the afternoon of the second day of Smart Manufacturing & Engineering Week, the programme enables students of all ages to engage with the rapidly evolving world of manufacturing via the stunning innovation, products and services that represent the future of the industry within the exhibition.

Find out more at mandeweek.co.uk/stem

VISITOR TRAILS

Smart Manufacturing & Engineering Week is bigger and better this year, and to help visitors navigate the presentations and exhibitors most relevant to them, we’ve introduced new ‘Visitor Trails’ to help you make the most out of your visit to the shows!

These Visitor Trails cover the following areas:
- Automation & Robotics
- Sustainability
- Industrial Data & AI
- Product Innovation & Design
- Digital Transformation Beginner
- Digital Transformation Advanced
- Process Manufacturing
- Discrete Manufacturing
- SMEs
- STEM

Pick up a printed visitor trail map when you arrive.
REGISTER FOR A FREE PASS TODAY

SMART MANUFACTURING + ENGINEERING 2024

1 PASS 6 CO-LOCATED EVENTS

JOIN THE CONVERSATION
@MandEWeek
mandeweek.co.uk

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