

Researched and
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SMART MANUFACTURING + ENGINEERING WEEK

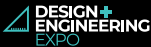
THE **MANUFACTURER**

EVENT PREVIEW

**The Festival of Advanced
Manufacturing & Engineering**

5 - 6 JUNE 2024 | NEC BIRMINGHAM

INCORPORATING LIVE EVENTS



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ORGANISED BY

Nineteen

CONTENTS

ABOUT SM&E WEEK	4
WHY ATTEND?	5
CO-LOCATED EVENTS	6
AWARDS	7
SUMMITS	8
EXHIBITOR LIST	10
DON'T MISS	15
SPEAKERS	17
THEATRES	18
SHOW FEATURES	28

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:



5 - 6 June, Hall 3A

Organised by MA Exhibitions



5 - 6 June, Halls 1-2

Organised by Rapid News Group

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WELCOME TO SM&E WEEK

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

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SME Zone Exhibitors



A + S International 4-F10



MobileWorx 4-F12



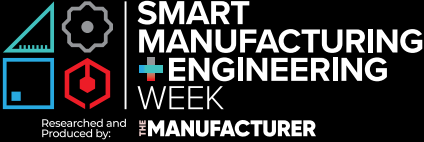
SDT International 4-H14



Solarvista 4-K12



Telecetera 4-F12



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THE MANUFACTURER

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 FMCC.

LIVE EVENTS



REGISTER NOW

mandeweek.co.uk

ANOTHER CARBON NEUTRAL EVENT!

In association with our partner Forest Nation, we 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





NETWORKING

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.



THOUGHT LEADERSHIP

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.



WORLD-CLASS SOLUTIONS

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.

CO-LOCATED EVENTS

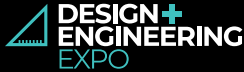


1 PASS - ACCESS TO 6 EVENTS

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

AWARDS



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](https://themanufacturertop100.com)



Enginuity Skills Awards 2024

WEDNESDAY 5 JUNE

PAID FOR

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: \[enginuity.org/skills-awards-2024\]\(https://enginuity.org/skills-awards-2024\)](https://enginuity.org/skills-awards-2024)

SUMMITS



INDUSTRIAL DATA & AI SUMMIT

BETTER DATA, BETTER
INSIGHTS, BETTER DECISIONS

PAID FOR

WEDNESDAY 5 JUNE

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](https://www.industrial-data.uk)



MANUFACTURING DIGITALISATION SUMMIT

ENHANCED PRODUCTIVITY,
EFFICIENCY & SUSTAINABILITY

PAID FOR

WEDNESDAY 5 - THURSDAY 6 JUNE

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.

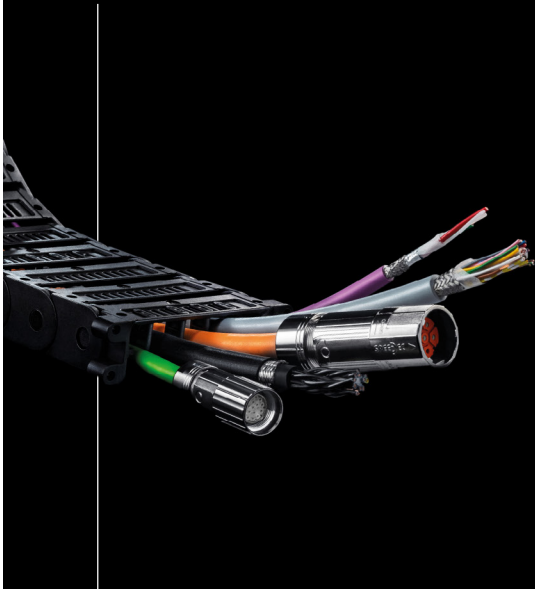
Now in its fourth year, the event provides an opportunity for industry leaders to come together to discuss how digital technologies and processes (such as IT/OT convergence, AI, machine learning, IoT, 5G, digital twins, automation, and advanced analytics) can improve their competitiveness and profitability, 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](https://www.manufacturing-digitalisation.com)



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EXHIBITION

HAPPY HOUR =



There will be over 450 exhibitors across the 6 exhibitions comprehensively covering manufacturing and engineering technology, services and solutions. Exhibitors include:

DESIGN ENGINEERING
SMART FACTORY
MAINTEC
DRIVES & CONTROLS
FLUID POWER & SYSTEMS
AIR-TECH
SME SME ZONE
PP PREMIER PARTNERS

3M **4-R74** **PP**
 42 Q..... **4-M71** **PP**
 A&S International Limited.....
4-F10 **SME**
Abdex Hose and Couplings
Ltd **5-A60** **PP**
 Accenture (USA)..... **4-L90** **PP**
 Acoem UK Ltd..... **4-B22** **PP**
 Acorn Industrial Services Ltd...
4-N102 **PP**
 Acoustic Camera UK Ltd.....
4-B130 **PP**
 Activate Learning..... **4-Q30** **PP**
 Additive X..... **4-J61** **PP**
 AddParts..... **4-D21** **PP**
 Advanced Adhesives **4-P82** **PP**
 Advantech/ WrxFlo... **4-G101** **PP**
 Aegis Software..... **4-S32** **PP**
 AHXai Ltd..... **4-M10** **PP**
 Airpipe Europe **5-D58** **PP**
 Airwave Compressors Ltd.....
5-J20 **PP**
 Alliance for Private Networks -
 MFA..... **4-P12** **PP**
 Altair **4-S60** **PP**
Amazon Reliability and
Maintenance Engineering ...
4-B50 **PP**

AMH Material Handling Ltd....
4-J32 **PP**
 Animated Technologies Ltd....
4-P40 **PP**
 Ash Technologies Ltd **4-M50** **PP**
 AssetMinder Operations
 Limited..... **4-N30** **PP**
 ATAM UK Limited..... **5-A43** **PP**
 ATS Applied Tech Systems Ltd
4-Q73 **PP**
 AVT Reliability **4-K30** **PP**
 AWE..... **4-Q33** **PP**
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 BFPA..... **5-B60** **PP**
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 Carbon Saving Group
5-H65 **PP**
 CBM Partners Limited
4-D50 **PP**
 CC Jensen Limited ... **4-E23** **PP**
 Cembre Ltd..... **5-B40** **PP**
Charter Controls (Unipower
(UK) Ltd)..... **5-F40** **PP**
 Chronos Technology .. **4-N71** **PP**
 CIM Maintenance **4-A24** **PP**
 CIM Software Ltd..... **4-R30** **PP**
 City University of London
5-H50 **PP**
 Clear Business Outcome
 **4-E101** **PP**
 Clockworx Solutions... **4-P51** **PP**
 Cloud ERP Limited ... **4-N41** **PP**
 CM Services Global Ltd.....
4-C42 **PP**
 CMZ..... **5-C26** **PP**

Coacto **4-N10**

CODEL d.o.o..... **4-J90**

Columbus A/S **4-G90**

Comate Intelligent Sensor **5-A44**

Confederation of British Metalforming..... **4-A112**

Covalent Systems Ltd **4-K90**

Cranfield University .. **4-N32**

CRC Industries UK Limited..... **4-F52**

CREAT3D **4-L70**

CS Instruments GMBH & Co. KG..... **5-A21**

CWT Partners Ltd **4-H41**

Data Automation ltd .. **4-L91**

Data Shack **4-D90**

DataFlowIQ..... **4-G60**

Deltia..... **4-M23**

Denca Controls Ltd..... **5-D57**

DFA Media Group **5-F45**

Dimo Maint..... **4-F41**

Direct Air & Pipework Limited . **4-B32**

Distec Ltd..... **4-F92**

Distran | Protex **4-H23**

Donaldson Europe BV . **4-B6**

Drive Lines Technologies Ltd .. **5-E16**

DUCI s r l..... **5-C30**

e Energy Management LTD ... **4-M22**

Easy-Laser UK **4-F50**

EBS (Electronic Business Systems Ltd)..... **4-Q71**

ECI Software Solutions Nederland BV **4-H72**

Ecopac UK Power Ltd **4-L60**

EFESO Management Consultants..... **4-G64**

Elecosoft UK Ltd..... **4-C40**

Electro Mechanical Systems (EMS)..... **4-N100**

EMAS Electric..... **5-B20**

Emerson..... **4-E50**

Engineering Insight.. **4-B132**

Envisage..... **4-A14**

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Ericsson AB..... **4-T50**

Eriks Industrial Services Ltd . **4-G30**

Esprit Electronics..... **4-P90**

E-T-A Circuit Breakers Ltd..... **5-H56**

ETA Enclosures... **5-E60**

Euchner UK **5-D40**

Eviden **4-S40**

Ex Machina Solutions Ltd **4-P10**

Exalens..... **4-N51**

Excel Computer Systems PLC... **4-H90**

Extramile Digital..... **4-A12**

Factbird..... **4-G103**

FAIRFIELD CONTROL SYSTEMS LIMITED..... **4-Q41**

FANUC UK Ltd..... **4-B80**

Ferry **4-G102**

Festo Ltd..... **5-F44**

Fibox LTD **5-E42**

Fischertechnik GmbH **4-K101**

Fitfactory Technology Ltd..... **4-L100**

FLAGS Software **4-Q70**

Flomar Limited **4-F31**

Fluke (UK) Limited **4-2F5**

Fluke Reliability **4-2F5**

Forest Nation **4-R12**

Fortop Automation & Energy Control..... **5-H62**

Fourjaw **4-K100**

FSL Electronics **4-R32**

G E Digital **4-M52**

GAMBICA **5-J70**

Gemac Hydraulics Ltd. **5-J60**

Gemba Solutions..... **4-L72**

GHA Solutions Ltd.... **4-G42**

Goodwin Electronics . **5-A42**

Green Custard Ltd.... **4-N24**

Green Valley Group.... **4-J30**

GSPK..... **4-S90**

Halifax Fan Limited.... **4-B10**

Hammond Manufacturing ... **5-G34**

HANGZHOU SHANLI PURIFY EQUIPMENT CORPORATION.. **5-D61**

Hansford Sensors Limited..... **4-G43**

Harbin High Tech Machinery International Trade Co Ltd **5-E24**

Harting Ltd **5-G70**

HaskoningDHV UK Limited.... **4-P70**

Hatteland..... **4-N40**

Heamar Company Limited **4-N70**

Hello Fresh..... **5-F30**

Help for Heroes..... **5-C54**

Helukabel UK Ltd..... **5-D50**

Hertz Kompressoren GmbH... **5-B30**

HERTZ KOMPRESSOREN LIMITED UK AND IRELAND.... **5-B10**

HIFI FILTER UK **5-G31**

HI-SUN MECHANICAL & ELECTRIC..... **5-C12**

HITECO LIMITED **5-A19**

HiveMQ..... **4-M62**

HMS Networks Inc.... **4-F100**

Holmbury Group **5-A54**

Honeywell [4-N20](#)

Hongye Precision Machining ..
[5-G44](#)

Hunter Selection Limited
[4-J52](#)

HW Electronics [4-A115](#)

Hydraulic Hose Crimpers
[5-C64](#)

I-Care Reliability UK .. [4-K50](#)

IES..... [4-S30](#)

ifm Electronic Ltd [4-B60](#)

IFS Ultimo [4-B40](#)

igus UK Limited . [4-R60](#) **PP**

ILME UK [5-F34](#) **PP**

Indigo Warehouse Solutions...
[4-N42](#)

Industrial Plant Equipment
and Controls, Drives &
Automation.....[5-A11](#)

Innomotics Motors and Large
Drives [4-C50](#)

Innovapptive..... [4-N28](#)

INSPHERE [4-N73](#)

Institute for Manufacturing,
University of Cambridge
[4-R50](#)

Institution of Engineering
Designers..... [4-R94](#)

Interface Force Measurements
Ltd [4-P43](#)

Inventor-e Ltd [4-N61](#)

InVentry [4-N43](#)

Invisible Systems [4-L50](#)

IT Done Right Ltd..... [4-S91](#)

IT Vizion Inc..... [4-N11](#)

Iter Digital [4-L92](#)

ITI Group..... [4-G72](#)

Itransition Group Limited
[4-E30](#)

IVY TECH..... [4-N60](#)

IXON CLOUD [5-E32](#)

Jenny Science AG.....
[5-C22](#) **PP**

JWCI Ltd [4-F31](#)

Kearney [4-S50](#)

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[4-R70](#)

Keytracker Ltd [4-A48](#)

Kluber Lubrication GB Limited
[4-F32](#)

KOTI Dawson Ltd Industrial
and Technical Brushes [4-J60](#)

Kunming Conveyor Belt Co.
Ltd [5-D53](#)

Lamonde Automation Limited
[5-B32](#)

Laser 2000 (UK) Ltd .. [5-D64](#)

Laser Lines..... [4-L53](#)

Leonardo [4-N104](#)

LG Motion..... [4-S72](#)

Lighthouse (UK) Ltd.... [4-A44](#),
[5-A61](#)

LISI Aerospace..... [4-A116](#)

LMAC UK..... [4-K72](#)

Lockwell Electrical Industrial...
[5-G52](#)

Low Power Radio Solutions....
[5-A55](#)

LubeSync [4-B12](#)

Lutze Limited [5-E40](#) **PP**

Lynch Motor Company.....
[5-G58](#)

M Buttkeireit Ltd..... [5-E30](#)

MAC Solutions..... [5-H55](#)

Machinery Safety Compliance
Services Ltd..... [4-N50](#)

Machinesafe Compliance Ltd..
[4-E21](#)

Made Smarter Innovation
Showcase..... [4-D80](#)

Maintain Reliability Limited....
[4-A32](#)

Maintech Recruitment Ltd.....
[4-K40](#)

MaintMaster Systems Limited
[4-D40](#)

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MakuSafe Connected Worker..
[4-A111](#)

Malone Group [4-J43](#)

Manutan UK..... [4-J50](#)

MARECHAL ELECTRICIS-[D42](#)

Martech3d [4-G100](#)

Mavarick [4-P41](#)

Maxim Computer Services Ltd
[4-L51](#)

MaxSafe..... [5-G56](#)

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Limited..... [4-D12](#)

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MENZEL Great Britain Limited
[5-E14](#)

Mestec Ltd..... [4-K70](#)

METE ENERJI [5-C31](#)

MetLase..... [4-P73](#)

Micro Precision [4-H22](#)

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MidasDX.com SIRI & COSIRI
Training..... [4-Q42](#)

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[5-D20](#)

MiniTec UK..... [4-S70](#)

mlean [4-K105](#)

MobileWorxs..... [4-F12](#) **SME**

Money Penny [4-M102](#)

Morehouse Refco nv .. [5-J50](#)

Mors Smitt UK Ltd..... [5-E51](#)

Motion Cleaning Machines
(RUWAC)..... [4-Q32](#)

Motion Drives and Controls Ltd
5-H66 ☑

Motor Technology **5-H60** ☑

Motortronics UK **5-G40** ☑

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4-Q92 ☑

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 Manufacture Co.Ltd ... **5-A48** ☑

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 MOTOR CO. LTD **5-E10** ☑

Ningguo Swbtec Industry
 Co.Ltd **5-C14** ☑

nVent HOFFMAN **5-C40** ☑

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Open Mind Technologies UK
 Ltd **4-Q40** ☑

Optimax Imaging Inspection &
 Measurement Limited
 **4-Q72** ☑

Ortumex Systems 5-F35 ☑ **PP**

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Ozen Kompresor **5-B44** ☑

Page White Farrer Limited
4-K91 ☑

Parmley Graham **4-F100** ☑

Pathfindr **4-F60** ☑

PDM Analysis **5-H50** ☑

PermaBond Engineering
 Adhesives Ltd **4-Q90** ☑

Phoenix Contact Ltd ... **5-C20**,
4-N92, **4-M73** ☑ ☑ ☑

Pilot Group Net Zero Solutions
 Ltd **4-P52** ☑

Pilz Automation Technology
5-G60 ☑ **PP**

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Pneumatic Components Ltd ..
5-D32 ☑

POPComms **4-R43** ☑

Portakabin Limited... **4-N83** ☑

Powerstar **4-J70** ☑

Prevost UK Limited... **5-E50** ☑

PROFIBUS **5-A49** ☑

Protex Fasteners **4-J41** ☑

Pryor Marking Technology
4-M90 ☑

Pure Ideas Ltd **4-P84** ☑

PurpleSector **4-A114** ☑

QAD Redzone **4-E70** ☑

Qingdao Paguld Intelligent
 Manufacturing Co.Ltd **5-C24** ☑

Qingdao Somax
 Manufacturing Co., Ltd. **5-B51** ☑

Quairr **4-P50** ☑

Quantum Controls **4-A5** ☑

RA Rodriguez Ltd. **5-E20** ☑

Reliability Maintenance
 Solutions Limited **4-F30**

Renishaw Plc **5-F2** ☑

RENNER GmbH
 Kompressoren **5-C50** ☑

Resimac Limited **4-J35** ☑

Review Display Systems
4-P92 ☑

Rittal Ltd **4-M60** ☑

RK Rose+Krieger (Phoenix
 Mecano) **4-P100** ☑

RLS **4-L102** ☑

Rokholt Group **4-P62** ☑

Rotalube **4-G40** ☑

Rotor Clip **4-P91** ☑

Ruima Industry Limited
5-C13 ☑

SafetyCulture Pty Ltd. **4-H60** ☑

Sana Commerce EMEA
4-T60 ☑

Santon Switchgear **4-E22** ☑

SAP UK Limited **4-S40** ☑

SATI GROUP S P A **5-E44** ☑

Scantime Automation &
 Training **4-D10** ☑

SciMed **4-G41** ☑

SCN **4-M100** ☑

SCR Air Limited **5-A22** ☑

SDT International
4-H14 ☑ **SME**

Seaward **4-K51** ☑

Secomak **4-B31** ☑

Service Geeni Limited **4-G50** ☑

Servo Components and
 Systems Limited **5-H53** ☑

Shenzhen Just Motion Control
 Electromechanics Co. Ltd
5-C11 ☑

Shenzhen Zhaowei
 Machinery&Electronics Co.Ltd
5-C62 ☑

SIC Marking UK Ltd .. **4-F101** ☑

SICK **4-R31** ☑

Siemens
VIP Sponsor ☑ ☑ ☑ ☑ ☑ ☑ ☑

SJ Electronics **4-K102** ☑

Sleeve It Ltd **5-C70** ☑

Smart Machines & Factories ...
4-B146 ☑

SMART Technologies . **4-N35** ☑

SMC Corporation UK Ltd
5-A40 ☑ ☑ ☑ ☑ **PP**

Snapfix **4-E32** ☑

Software Imaging Ltd **4-F70** ☑

Solarvista Software Limited ...
4-K12 ☑ **SME**

Sparrow Networks GmbH
4-E40 ☑

SPM Instrument UK Limited... 4-H52 📍	Thomas Wright - Thorite Group Ltd 4-A110 📍	WAYSAFE..... 5-A20 📍
Springmasters Ltd..... 5-A52 📍	Three Business UK ... 4-H42 📍	WEH UK 5-C51 📍
Squawk Technologies 4-Q52 📍	Tianli Electrical Machinery (Ningbo) Co Ltd..... 5-D55 📍	Weldindustry AS..... 4-R40 📍
SSG Insight (EMEA) Limited ... 4-K42 📍	Tom Parker Ltd ... 5-C60 📍 PP	Whitmore Manufacturing LLC 4-H50 📍
St Davids Assemblies. 4-P42 📍	Touchline Interactive. . 4-Q31 📍	WinMan ERP Software 4-J62 📍
STAHLWILLE..... 4-B148 📍	TPI Europe Limited... 4-E20 📍	WMG, University of Warwick... 4-D70 📍
Stainless Steel Chain . 5-A50 📍	Transfer Multisort Elektronik Sp Zoo 4-G53 📍	Women's Engineering Society 4-B126 📍
Steerforth Sales Ltd . 5-D62 📍	Trend Tools 4-Q60 📍	World Skills Challenge 5-D10 📍
Strata Sales Limited . 4-Q62 📍	TSE Power 4-D20 📍	Wurth Electronics UK Ltd ... 4-N90 📍 PP
SugarCRM 4-N12 📍	TST TAMSAN UK LTD. 5-C58 📍	Wuxi Haite Pressue Gauge Co Ltd 5-E26 📍
SUNTO MACHINERY CO., LTD. . 5-A56 📍	T-Systems Limited..... 4-S61 📍	Wuxi Yuda Heat-Exchanger Co., Ltd. 5-G50 📍
Swagelok Central UK 5-H44 📍	Turbine Controls..... 4-J31 📍	XCD Machinery..... 5-C10 📍
Sylvania Group..... 4-M101 📍	Turck Banner Ltd..... 4-K60 📍	XD Innovation 4-R41 📍
Telecetera Ltd..... 4-F12 📍 SME	Tweddle Group 4-C30 📍	Xiamen SDTZ Bearing co. Ltd. . 5-A13 📍
Teledyne Flir 4-K22 📍	U E Systems Europe BV..... 4-D22 📍	YOJO Heat Exchanger 5-G42 📍
Tempa Pano UK..... 5-D30 📍	Udisys Limited..... 4-N80 📍	Yuvraj Overseas Pvt Ltd 5-B70 📍
Temposonics GmbH & Co. KG. . 5-D70 📍	UKLA 5-B5 📍	Zebra Technologies Europe Limited. 4-C70 📍
Tesa UK Ltd 4-Q24 📍	Unitronics..... 5-J71 📍	Zetamotion..... 4-M93 📍
Teseo SRL 5-A30 📍 PP	Vision Engineering Ltd..... 4-P60 📍	ZHEJIANG KELI VEHICLE CONTROL SYSTEM CO. LTD..... 5-E15 📍
Texture Jet Ltd. 4-M70 📍	Visual Components .. 4-G70 📍	
The Config Team 4-F102 📍	Visual Knowledge Share Ltd.... 4-K92 📍	
The Peak Group 4-Q82 📍	Visual UK Ltd 4-E10 📍	
The Safety Knife Company Limited..... 4-D18 📍	VP Instruments UK... 4-B20 📍	
Theorem Solutions... 4-H70 📍	VTech SMT..... 4-S82 📍	
Thingtrax 4-M110 📍	VULKAN Industries LTD..... 5-C53 📍	

**SCAN TO
VIEW THE FULL
EXHIBITOR LIST**



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DON'T MISS

Hunter Selection

4-J52



Hunter Selection are welcoming all challengers to a magic number darts challenge with former world number 1, Peter 'one dart' Manley!

Wheel of Fortune

Entrance Hall 4



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!

Smoothie Bikes

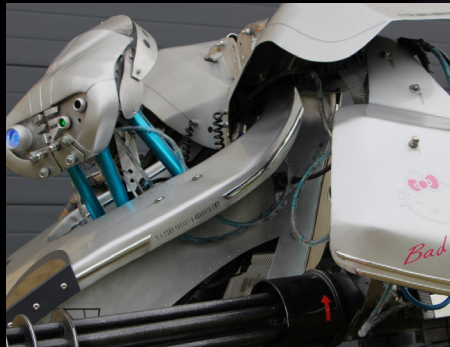
Wellbeing Zone



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.

T-1-FNY Robot

4-C24



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! mandeweek.co.uk

REVOLUTIONISING UK MANUFACTURING: THE MADE SMARTER INNOVATION CHALLENGE

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;

Edge Methods Limited, Photocentric Limited, Machine Intelligence, Smart Manufacturing Data Hub, Devtank, Accenture, Intellium, SupplyVue, Deep Meta, Value Chain, Codegate, NBT Group Limited, Consus Fresh Solutions Ltd, Advanced Materials Development, Digital Supply Chain Hub, Kavida, Reserve Resources, Riskoa, Dialog, Technical Simulation Consultants, Matta Labs, Batch Works, HAL Robotics, Smart Cobotics Research Centre, Output Industries, AMIC, TotalControlPro, Flowlens, Digital Medicines Manufacturing Research Centre, Edge Digital, Materials Made Smarter Research Centre, Research Centre for People Led Digitalisation, InterAct, University of Warwick, Research Centre for Connected Factories.

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

SPEAKERS

There will be over 90 content sessions delivered across 8 Solution Theatres. Speakers include:




ANDREA BANFI
Head of Data and Analytics




JONATHAN PEEDELL
Head of Maintenance





NEELOFAR ANSARI
Senior Manufacturing Engineer




RASHITHA JAYASEKARA
Director Digital and Technology




KALLUM WELCH
Head of Manufacturing Engineering IS&S




CHRIS BUTCHER
Managing Director




GEOFF MACKEY
UK Country Head




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




DALE CROW
Electricity & Automation Leader






MAINTEC

MAINTENANCE THEATRE

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

VIEW THE FULL PROGRAMME



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

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DESIGN & INNOVATION THEATRE

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**

VIEW THE FULL PROGRAMME



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

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IIOT & CONNECTIVITY THEATRE

SESSION HIGHLIGHTS

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**

Subject matter includes: Internet of Things, Connectivity, Sensors, 5G, Edge Computing, Predictive Maintenance, Track & Trace, RFID, Visual Management, IT/OT Convergence, Interoperability, Digital Twins.

VIEW THE FULL PROGRAMME



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INDUSTRIAL DATA & AI THEATRE

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**

Subject matter includes: Big Data, Cyber, Cloud, Predictive Decision-Making, Data Analytics, AI, ML, Deep Learning, Visualisation, ERP, MES, S&OP, FSM, Application Performance Management, Sensors, Data Science.

VIEW THE FULL PROGRAMME



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DIGITAL TRANSFORMATION THEATRE

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](#)

VIEW THE FULL PROGRAMME



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

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DRIVES & TECHNOLOGY THEATRE

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**

Subject matter includes: Cobots, Industrial Robots, Robotic Process Automation, Picking & Packing, Packaging, Warehousing, Autonomous Guided Vehicles, Drones.

VIEW THE FULL PROGRAMME



Strategic partner

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Strategic partner



FLUID POWER SOLUTION THEATRE

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](#)

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Subject matter includes: People and skills, fluid injuries, standards, leveraging technology.



AIR-TECH

Strategic partner



**CITY UNIVERSITY
LONDON**

AIR-TECH SOLUTION THEATRE

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 Breathe 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.

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**UNIVERSITY OF
CAMBRIDGE**
Department of Engineering

5 - 6 JUNE

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.

<p>DAY 1 11:00 - 11:45 PRE-BOOKED SESSION</p>	<p>SUSTAIN 8: BUILDING THE FOUNDATION FOR SUSTAINABLE MANUFACTURING Duncan Hurlstone, Industrial Associate, IfM Engage - University of Cambridge</p>
<p>DAY 1 12:00 - 12:45 PRE-BOOKED SESSION</p>	<p>DEVELOP YOUR TECHNOLOGY STRATEGY USING A COLLABORATIVE, FAST-START ROADMAPPING APPROACH Gosia Fraczek, Solutions Development Specialist, IfM Engage - University of Cambridge</p>
<p>DAY 1 13:00 - 13:45 PRE-BOOKED SESSION</p>	<p>AVOIDING INVESTMENT MISTAKES: HOW TO SELECT THE RIGHT AUTOMATION SOLUTIONS Liz Salter, Industrial Associate, IfM Engage - University of Cambridge Alan Thorne, Senior Technical Officer, Institute for Manufacturing - University of Cambridge</p>
<p>DAY 1 14:00 - 14:30 OPEN TO ALL</p>	<p>UK INNOVATION REPORT 2024 - MACHINERY AND EQUIPMENT MANUFACTURING FOCUS Dr Mateus Labrunie, Policy Analyst, IfM Engage - University of Cambridge</p>
<p>DAY 2 09.30 - 15.30 OPEN TO ALL</p>	<p>IFM DIGITAL LAB See hands-on demonstrations of some of the latest technology research from the IfM.</p>

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

**PLEASE SCAN TO
APPLY FOR AN IFM
MASTERCLASS**



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AUTOMATION & ROBOTICS ACCELERATOR SYMPOSIUM

ADVANCING PRODUCTIVITY, PERFORMANCE & EFFICIENCY

6 JUNE - 13:30 - 16:00

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

FIND OUT MORE



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SHOW FEATURES

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!**





GUITAR LEGENDS COMPETITION

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 massage
- Free wellbeing resources
- 2x Smoothie Bikes

COME AND GET A FREE SMOOTHIE WHILST YOU ARE ONSITE!



THE MANUFACTURER DIRECTORS' FORUM

PRE EVENT - 4 JUNE - INVITE ONLY

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

NETWORKING



DRINKS RECEPTION

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.**



HAPPY HOUR

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.**



HOSTED BUYER PROGRAMME

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

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MANUFACTURERS & ENGINEERS OF THE FUTURE

6 JUNE - 12:00 - 16:00

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**
Researched and
Produced by:
THE MANUFACTURER

1 PASS 6 CO-LOCATED EVENTS

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