

MADE SMARTER

INNOVATION

Made Smarter Innovation at Digital Manufacturing Week

10–11 November 2021



**MADE
SMARTER**

INNOVATION
SUMMIT

**MADE
SMARTER**

INNOVATION
ALLEY

**MADE
SMARTER**

EMERGING
TECHNOLOGY
SHOW

Delivered by



Funded by



UK Research
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Made Smarter Innovation at Digital Manufacturing Week event guide content page

[Made Smarter Innovation](#) is delighted to be part of [Digital Manufacturing Week 2021](#) in Liverpool. At this event, we will support organisations in the manufacturing sector at all levels on their digital journey. We are hosting and supporting several activities during this year's event including the:

- 01 Made Smarter Innovation Stand
- 02 Made Smarter Innovation Alley
- 03 Made Smarter Innovation Summit & Agenda
(including the Collaborative R&D £20 million
'Sustainable Smart Factory' funding call launch)
- 04 Made Smarter Emerging Technology Show
- 05 Made Smarter Innovation Networking Reception
- 06 SME Growth Summit
- 07 The Manufacturer MX Awards

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What is Made Smarter Innovation?

Made Smarter Innovation is a national programme to help businesses that make things capitalise on new digital technologies. Our programme will support the transformation of the UK's manufacturing capabilities through the development and innovation of industrial digital technologies (IDTs). We give UK manufacturers access to a digital innovation ecosystem that helps prove their idea, quickly develop it with experts and scale it. The partnership between government and industry will provide co-investment, specialist advice and result in radical manufacturing solutions. This Made Smarter Innovation programme is delivered by **UK Research and Innovation (UKRI)**.



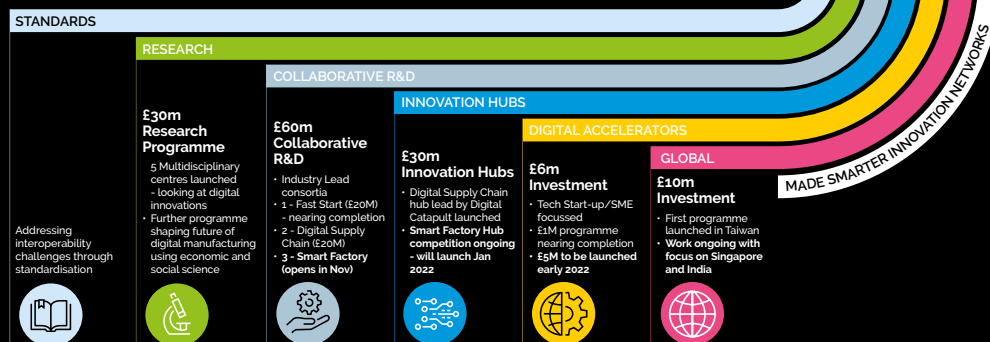
UK Research and Innovation



We are a digital innovation ecosystem transforming UK manufacturing.

We're investing **£147 million** to develop digital manufacturing ideas more quickly.

MADE SMARTER INNOVATION

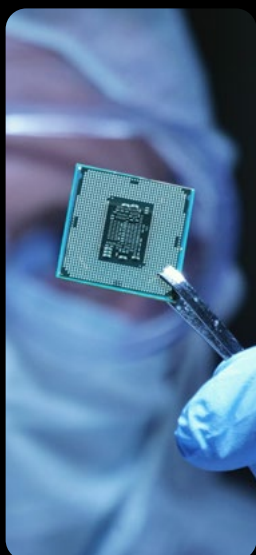


Why is Made Smarter Innovation exhibiting at this event?

Digital Manufacturing Week is a national festival of advanced manufacturing which every year attracts thousands of manufacturers, industry leaders, and technology providers. This is a great opportunity for us to demonstrate what is happening across the Made Smarter Innovation programme, now and in the future. We're excited to showcase an amazing line-up of innovative technology solution providers in Innovation Alley, early-stage innovations in the Emerging Technology Show and a fantastic lineup of speakers at the Made Smarter Innovation Summit.

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For more information about this programme, watch this [Made Smarter Innovation video summary](#).



SMART FACTORY EXPO

10–11 November 2021

Floorplan

Sponsored by

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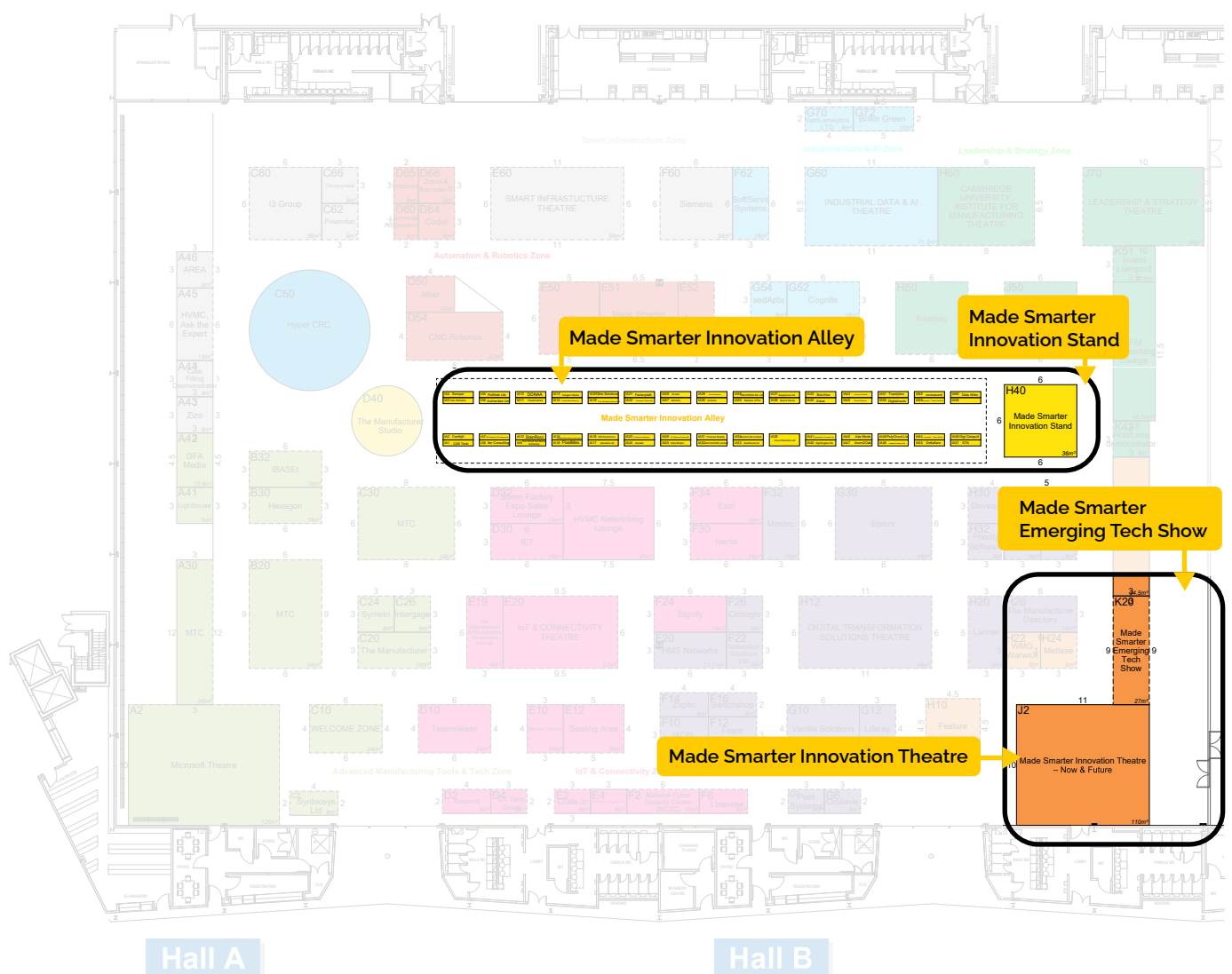


Innovation Alley



Product Innovation Zone

Made Smarter Innovation exhibition areas and theatre



01 Made Smarter Innovation Stand

UKRI, **KTN** and **Digital Catapult** will be available on the stand so come along and find out about **upcoming events, programmes, partnerships and funding opportunities from across the Made Smarter Innovation programme.**

We will also be joined by **Innovate UK Smart Award winner SamsonVT**, **Collaborative R&D2 Digital Supply Chains Winner Circular** and **Made Smarter Technology Accelerator** minimum viable product (MVP) phase cohort **Total Control Pro, Jetsoft, Machine Intelligence and Riscon Solutions**. These businesses will share valuable insights and advice about how the Made Smarter Innovation programme can benefit your manufacturing business.

02 Made Smarter Innovation Alley

What is Made Smarter Innovation Alley?

Located at the very heart of the Smart Factory Expo, **Made Smarter Innovation Alley** is an amazing showcase of all the new and developing technologies that will change the landscape of manufacturing over the next 5-10 years. This is a leading disruptive technology event like no other. It could be game-changing for you, your product, and your business in the future.

Discover groundbreaking new solutions from the next wave of technology and consultancy businesses targeting manufacturers. Meet and engage with these early-stage companies and their founders to uncover innovative opportunities waiting for your business.



Who's exhibiting on Made Smarter Innovation Alley?

Visit [Made Smarter Innovation Alley](#) and speak with start-ups and small businesses from across the UK that are creating thought-leading manufacturing technologies that will benefit the entire industry including:

- [Acorn2Oak \(A2O\) Innovation Solutions Limited](#)
- [Ada Mode](#)
- [Advai](#)
- [Intellium AI](#)
- [Ascalia](#)
- [Authentise Ltd](#)
- [Bot Hive](#)
- [Certifyit Solutions Ltd](#)
- [Control2k](#)
- [Crossword Cybersecurity Plc](#)
- [Cyberselves Universal Ltd](#)
- [DATAHONE](#)
- [Deltaflare](#)
- [Devtank Ltd](#)
- [DONAA](#)
- [Enable Manufacturing](#)
- [Extend Robotics](#)
- [Factorytalk Ltd](#)
- [FloWide](#)
- [Fourjaw Manufacturing Analytics](#)
- [Fully Distributed Systems Ltd](#)
- [Geomiq Ltd](#)
- [Hal Robotics Ltd](#)
- [I3D Robotics & IS-Instruments](#)
- [ICE Electronics](#)
- [Inovo Robotics](#)
- [Journey Protector](#)
- [Juice Immersive](#)
- [Masters of Pie Limited](#)
- [Maverick ML](#)
- [Nightingale HQ Limited](#)
- [Novosound Ltd](#)
- [Obbi Solutions](#)
- [PixelMax](#)
- [Plastometrex](#)
- [Productive Machines](#)
- [Rivelin Robotics](#)
- [SanCloud Ltd](#)
- [StanRocc Natural Stones Limited](#)
- [SupplyVue Ltd](#)
- [Tangent Works UK](#)
- [Xpand Group](#)
- [xtonnes](#)
- [Zeta Motion](#)





03 Made Smarter Innovation Summit (including the Collaborative R&D £20 million 'Sustainable Smart Factory' funding call launch)

We're looking forward to 2-days of thought-provoking speakers and impressive digital manufacturing innovations at the Made Smarter Innovation Summit at **Digital Manufacturing Week**.

Taking place in the Made Smarter Innovation Theatre in the main exhibition hall, the 2 days will be dedicated to showcasing the here and now of Made Smarter Innovation and the importance of digital manufacturing innovation in future plans. The conference will tie into the key themes from COP26 and explore the opportunities around Net Zero.

● Day 1 – Wednesday 10th November

The morning will provide an overview of the projects funded through the Made Smarter Innovation programme to date –from Research Centres to Innovation Hubs, Collaborative R&D and Standards. A keynote presentation will be given by **Chris Courtney, Challenge Director, Made Smarter Innovation** and **Chris Needham, Innovation Lead, Made Smarter Innovation** who will set the scene for the 2-days of the Made Smarter Innovation Summit and provide insights into the programme. During this session, we will outline the Collaborative R&D landscape and hear from some exciting manufacturing projects. We will also be joined by **Philippa Glover, Managing Director at CNC Robotics Ltd** along with a variety of other speakers so make sure to take a look at the full agenda.

The afternoon of Day 1 will be focused on the hugely successful Made Smarter Technology Accelerator. **Digital Catapult** will talk about the acceleration programme and how they selected the four successful companies from the overwhelming 100+ that applied. We'll be joined by four of the Industry Challenge Owners **BAE Systems**, **Babcock International Group** and **Safran Landing Systems** who will provide insights into some of the exciting minimum viable products and challenges they are working on. Please see the agenda for a full list of innovative speakers that will be presenting at the Made Smarter Innovation Summit.

Day 2 – Thursday 11th November

The morning will have strong links to COP26 and the importance of digital technologies that reduce emissions, improve sustainability and help manufacturers reach their Net Zero Targets. Speakers from [UKRI](#) as well as [BEIS](#), the [Institute for Manufacturing \(IfM\)](#) and the Made Smarter Innovation team will explore drivers, opportunities, and a future vision for sustainable manufacturing. We will also be joined by [Dr Sara Ridley, Project Director at Autocraft Drivetrain Solutions](#), [Professor Steve Evans, Director of Research in Industrial Sustainability, Institute for Manufacturing \(IfM\)](#) and [Jenni McDonnell MBE, Thermal Energy Systems Knowledge Transfer Manager, KTN](#).

We will be joined by [Dr Ben Farmer, Deputy Challenge Director, Made Smarter Innovation](#). Following on from these presentations, [Chris Needham, Innovation Lead, Made Smarter Innovation](#) who will provide an overview of the recently announced the Collaborative R&D £20m 'Sustainable Smart Factory' funding call, which is supporting manufacturers and technology providers that are developing innovative net zero technologies.

Collaborative R&D £20 million 'Sustainable Smart Factory' funding call

The [Collaborative R&D £20 million 'Sustainable Smart Factory' funding call](#) has just been launched to help digital technology innovations develop and improve the environmental sustainability of manufacturing processes. More details can be found on the Made Smarter Innovation Summit agenda above. To find out more and view the press release [click here](#).

The afternoon will focus on The Future of Manufacturing. [EPSRC](#) and [ESRC](#) have arranged a fantastic lineup of speakers from industry and academia that will inspire us by highlighting how we can advance the manufacturing sector. These talks will cover topics including distributed ways of working, new business models, the impact of digital technologies on work, health and wellbeing as well as future manufacturing ecosystems so make sure to visit the Made Smarter Innovation Summit.



Made Smarter Innovation Summit Agenda

Day 1 – Present day manufacturing – Wednesday 10th November

Morning presentations – Made Smarter Innovation: Creating a digital ecosystem to transform manufacturing

- 10:15 – 10:30 **Overview of the Made Smarter Innovation challenge**
Chris Courtney, Challenge Director, Made Smarter Innovation
- 10:30 – 10:50 **Keynote: A Manufacturer's view**
Philippa Glover, Managing Director, CNC Robotics Ltd
- 10:50 – 11:10 **Collaborative R&D (CR&D) landscape**
– Projects funded through Made Smarter Innovation
Chris Needham, Innovation Lead, Made Smarter Innovation
- 11:10 – 11:20 **Collaborative R&D1 funding**
Digital Sandwich project – Tom Holland, Raynor Foods
- 11:20 – 11:30 **Collaborative R&D1 funding**
Dynamic Integration of Automation with LOGistic (DIALOG) project
– Nishant Raj, Atlas Copco
- 11:30 – 11:40 **Collaborative R&D2 funding**
Digital Spare Parts Supply Chain project – Toby Bridges, The NBT Group
- 11:40 – 11:50 **How to get involved with Made Smarter Innovation**
Chris Needham, Innovation Lead, Made Smarter Innovation
- 11:50 – 12:10 **Panel discussion: Digital technology innovation opportunities**
– and how Made Smarter Innovation can help
- 12:10 – 12:20 **Summary & closing remarks**
Chris Courtney, Challenge Director, Made Smarter Innovation

Visit the Made Smarter Innovation stand, Innovation Alley & Emerging Technology Show which are open all day.

Day 1 – Present day manufacturing – Wednesday 10th November

Afternoon presentations – Made Smarter Technology Accelerator

- 13:30 – 13:35 **Welcome note**
Dr Ben Farmer, Deputy Challenge Director, Made Smarter Innovation
- 13:35 – 13:45 **Made Smarter Technology Accelerator presentation**
Justin Cross, Senior Innovation Partner & Programme Lead, Digital Catapult
- 13:45 – 14:20 **Industry panel discussion**
– Chair: Sarah Aitchison, Innovation Delivery Manager, Digital Catapult
– Par Eliasson, Industrial Project Leader, Safran Landing Systems
– James Leadbetter, Senior Engineer, BAE Systems
– Jim Sibson, Group Head of Research & Partnerships, Babcock International Group
- 14:20 – 14:25 **Q&A**
- 14:25 – 14:45 **Fireside chat**
– Nigel Harley, Internet of Things Specialist, Software AG
– Rukmini Prasad, Partnerships & Product Manager IoT, Digital Catapult
- 14:45 – 15:10 **Innovators panel discussion**
– Chair: Veera Johnson, Co-founder, Circular
– Simon Harding, Director, Machine Intelligence
– Tom Martin, CEO & Founder, Jetsoft
– Dolores Sanders, Co-Founder and Strategic Director, Total Control Pro
– Roger Singleton, Managing Director, Riscon
- 15:10 – 15:15 **Q&A**
- 15:15 – 15:25 **Future opportunities**
Tim Lawrence, Director Digital Supply Chain, Digital Catapult
- 15:25 – 15:30 **Closing remarks**
Justin Cross, Senior Innovation Partner & Programme Lead, Digital Catapult
- 16:00 – 17:00 **Made Smarter Innovation Networking Reception**
There will be a networking reception taking place on Made Smarter Innovation Alley for those exhibiting as well as the wider manufacturing network.

Day 2 – The Future of Manufacturing – Thursday 11th November

Morning presentations – Made Smarter Innovation: Creating a smart, sustainable, net zero future for Manufacturing

- 10:30 – 10:35 **Welcome – KTN**
Emma McKenna, Head of Net Zero, KTN
- 10:35 – 10:50 **Keynote: Government Strategy Landscape**
Clare Porter, Head of Manufacturing, BEIS
- 10:50 – 11:00 **Made Smarter Innovation Sustainability Strategy**
Dr Ben Farmer, Deputy Challenge Director, Made Smarter Innovation
- 11:00 – 11:15 **Digital opportunities & future vision for sustainable factories**
Professor Steve Evans, Director of Research in Industrial Sustainability, Institute for Manufacturing (IfM), University of Cambridge
- 11:15 – 11:20 **Panel Q&A**
- 11:20 – 11:35 **Newly launched Collaborative R&D £20 million Made Smarter Innovation funding call 'Sustainable Smart Factory' funding call**
Chris Needham, Innovation Lead, Made Smarter Innovation
- 11:35 – 11:40 **Funding call Q&A**
- 11:40 – 11:50 **Made Smarter Innovation manufacturer case study about using digital innovation to reduce manufacturing emissions**
Dr Sara Ridley, Project Director, Autocraft Drivetrain Solutions
- 11:50 – 12:10 **Technology provider pitches**
– Dolores Sanders, Total Control Pro
– Mike Groves, Topolytics
– Rob Russell, Senseye
– Jack Lewis, Ada Mode
- 12:10 – 12:20 **Additional manufacturing competitions from the government's Net Zero Innovation Portfolio**
Jenni McDonnell MBE, Thermal Energy Systems Knowledge Transfer Manager, KTN
- 12:20 – 12:30 **Networking**

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Day 2 – The Future of Manufacturing – Thursday 11th November

Afternoon presentations – Made Smarter Innovation: Presentations from EPSRC & ESRC

- 13:30 – 13:35 **EPSRC Digital Manufacturing Network – Connected Everything Overview**
Dr Nik Watson, Associate Professor, University of Nottingham
- 13:35 – 13:40 **ESRC Made Smarter Network Overview – Introducing InterAct and the future of manufacturing**
Professor Jillian MacBryde, Professor of Innovation and Operations Management, Strathclyde University
- 13:40 – 14:15 **EPSRC Made Smarter Innovation Research Centres**
– Digital Medicines Manufacturing (DM2) Research Centre
– Materials Made Smarter Centre
– Centre for People-Led Digitalisation
– Connected Morphing Factories
– Research Centre for Smart, Collaborative Industrial Robotics
- 14:15 – 15:30 **Panel discussion about future manufacturing ecosystems, the future of work and the future of the economy**
Chaired by Professor Jan Godsell, Dean of the School of Business and Economics, Professor of Operations and Supply Chain Strategy, Loughborough University
- 18:30 – 01:00 **The Manufacturer MX Awards 2021**
Made Smarter Innovation is sponsoring the Innovation Award at The Manufacturer MX Awards (TMMX Awards). Please refer to the description on the pages below for more information.



04 Made Smarter Emerging Technology Show

This exhibition area will feature a display of emerging technology **manufacturing research projects** so make sure to stop by and view the presentations on our TV screens to find out more about the Made Smarter Innovation R&D taking place. This showcase area will feature presentations from the **Made Smarter Innovation EPSRC Research Centres**, which deliver multidisciplinary digital manufacturing research, the **Made Smarter Innovation ESRC Network** which exists to boost adoption and innovation of digital manufacturing technologies and **Connected Everything**, an organisation that is accelerating digital manufacturing research collaboration and innovation.

05 Made Smarter Innovation Networking Reception

There will be a networking reception taking place on Made Smarter Innovation Alley on Wednesday 10th November from 4pm for those exhibiting on Made Smarter Innovation Alley as well as the wider manufacturing network.

06 SME Growth Summit

The **BEIS** manufacturing team and **Made Smarter** Adoption team are supporting the **SME Growth Summit**. **Matthew Ellis, Assistant Director, Made Smarter Innovation** will be hosting a keynote about UK Manufacturing Policy and Support. Also, regional representatives from Made Smarter Adoption programme will be leading roundtable sessions focused on reaping the benefits of industrial digital technology by getting involved with the Made Smarter Innovation programme. [Click here to view the full SME Growth Summit agenda.](#)

07 The Manufacturer MX Awards

On Thursday 11th November in the evening, **Made Smarter Innovation is sponsoring the Innovation Award** at **The Manufacturer MX Awards** (TMMX Awards). The Manufacturer MX Awards have a combined heritage of over 50 years and are widely regarded as the gold standard in industry awards. The award show is delivered by **The Manufacturer** in partnership with the **Institution of Mechanical Engineers (IMechE)** and is awarding and celebrating manufacturing excellence in businesses. The TMMX Awards categories range from recognition in innovation and sustainability to apprenticeships, leadership and staff engagement. There are plenty of opportunities for UK businesses of all sizes and sectors to be recognised. These awards ensure that manufacturing businesses are showcased, the hard work of the people in the team are acknowledged and the UK manufacturing sector continues to grow and strive for greater achievements.



Made Smarter Innovation Newsletter Registration

Find out more about Made Smarter Innovation

Keep up-to-date with all the latest manufacturing news, events, collaboration and funding opportunities from the Made Smarter Innovation programme here.

Scan this QR code using the camera on your phone or sign up at

<https://bit.ly/MSInnovNews>



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