NORTHERN IRELAND MANUFACTURING & SUPPLY CHAIN **CONFERENCE & EXHIBITION**



In Partnership With



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ADVANCED MANUFACTURING INNOVATION CENTRE

WE ARE A DESTINATION FOR TRANSFORMATION AND GROWTH, RESEARCH EXCELLENCE AND DIGITAL INNOVATION.

WE WILL REINVIGORATE NORTHERN IRELAND'S INDUSTRIAL POTENTIAL AND ADDRESS THE FUTURE TECHNOLOGY AND SKILLS CHALLENGES FACED BY THE REGION'S MANUFACTURING SECTOR.

FIND OUT MORE







MANUFACTURING & SUPPLY CHAIN CONFERENCE & EXHIBITION TEC, Belfast, June 22nd 2023



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ADVANCED
MANUFACTURING
INNOVATION
CENTRE

WELCOME!

from Professor Sam Turner, CEO of AMIC



At the Advanced Manufacturing Innovation Centre we're delighted to be partnering with this year's Northern Ireland Manufacturing Conference and Supply Chain Expo.

We're looking forward to networking with manufacturing companies of all sizes across a range of sectors to find out more about the challenges

they face and discuss how we can support them.

We want to share our exciting plans for AMIC, which is set to turbocharge Northern Ireland's manufacturing capabilities and embed a culture of innovation to act as a driver for increased productivity.

At the Titanic Exhibition Centre, we'll be sharing our stand with partners including the High Value Manufacturing Catapult, a network of research, development and innovation centres transforming UK manufacturing.

At the event you can speak to experts from AMIC about our core capabilities in Digitalising Manufacturing, Smart Design, Sustainable Composites & Polymers and Smart Nanotech.

You'll also be able to make new contacts with staff from the Advanced Manufacturing Research Centre, the Manufacturing Technology Centre, the National Composites Centre and the CPI which are helping deliver industrial transformation across the UK.

Representing £100m investment within the Innovation Pillar of Belfast Region City Deal, AMIC is an industry-led, open access manufacturing and engineering innovation centre with state-of-the-art facilities and an expert engineering team, underpinned by academic excellence.

AMIC is being delivered by Queen's University Belfast in partnership with industry, Ulster University and Antrim and Newtownabbey Borough Council. It will build on 50 years of sustained innovation and industry support through the Northern Ireland Technology Centre (NITC), the Polymers Processing Research Centre (PPRC) and the more recent university-industry partnership, NI Advanced Composites and Engineering (NIACE).

AMIC's flagship building is a 10,500m2 state-of-the-art facility 'Factory of the Future', which will be built at Global Point Business Park in Newtownabbey designed for industry use and access.

The Centre, which has recently been granted planning permission, will reinvigorate Northern Ireland's industrial potential and address the future technology and skills challenges faced by the region's manufacturing sector.

Plans for AMIC have been continuing to gather pace over the last year. A Strategic Technology Roadmap was published in October 2022 following a detailed consultation on technology and skills needs for the next decade with over 100 leaders in advanced manufacturing.

An AMIC Industry Advisory Board, with representatives from over 20 local companies, was also formed last autumn, driving strategic direction to ensure that it has the capability required to address current and future industry challenges.

And while the Factory of the Future won't be fully operational until 2026, AMIC as an organisation is going 'live' this summer.

We're thrilled to announce that a £1m commitment from Innovate UK will enable us to begin supporting local businesses. The funding will establish digital manufacturing testbeds within AMIC in automated food manufacturing, digital twins, and embedded digital verification technology.

The suite of digital manufacturing testbeds will be available to businesses to explore digital manufacturing technologies, use cases and how they can be applied to address business challenges.

The funding will also strengthen the relationship between AMIC and HVM Catapult, making the wider UK manufacturing innovation ecosystem and funding more accessible to Northern Ireland businesses.

At AMIC we're excited about supporting local companies to be more competitive on a global scale, attracting investment and ensuring that we have the skilled workforce needed for the Northern Ireland's future and we look forward to working with you to make it happen!

Main Stage Northern Ireland Manufacturing & Supply Chain Conference & Exhibition

Main Stage Northern Ireland Manufacturing & Supply Chain Conference & Exhibition

| Times | Name | Topic | |
|-------------|---|---|--|
| 9.55-10.00 | Sam Turner, Chief Executive Officer, Advanced Manufacturing Innovation Centre (AMIC) | Opening Remarks | |
| 10.00-10.20 | Sam Turner, Chief Executive Officer, Advanced Manufacturing Innovation Centre (AMIC) | AMIC; Driving Innovation in Northern Ireland Manufacturing | |
| 10.20-10.40 | George Wilson, Senior Executive, Centre for Competitiveness Belfast | Sustaining Value in the Supply Chain | |
| 10.40-11.00 | Barry Andrews, Member, European Parliament | Taking oil spills and human rights abuses out of our shopping baskets: Sustainability and Due Diligence in the EU | |
| 11.00-11.20 | COFFEE BREAK & NETWORK | KING | |
| 11.20-12.00 | Fireside Chat & Demonstration: Nick Racster, CEO, KaizApp AG & Paul Collins, Board Advisor, KaizApp AG | KaizApp - Competitive advantage through AI assisted continuous improvement (for 10x stronger results) | |
| 12.00-12.20 | Liam Cassidy, Partner - Lean Management, Altix Consulting | Managing Change - Why it succeeds and why it fails | |
| 12.20-13.00 | Fireside Chat: John Pearce, CEO, Made in Britain, Alan Lowry, Founder & CEO, Environmental Street Furniture Limited, Martin Mallon, Technical Marketing Manager, CT1 | Supply Chain Localisation - Trust, Resilience and Sustainability | |
| 13.00-13.30 | LUNCH & NETWORKING | | |
| 13.30-14.10 | Moderator: Sam Turner, Chief Executive Officer, Advanced Manufacturing Innovation Centre (AMIC) Panellists: Darren Anderson, Lecturer, South Eastern Regional College, Wasif Naeem, Reader (Associate Professor), Queen's University Belfast, Sean McLoone, Professor, School of Electronics, Electrical Engineering, Queen's University Belfast | Bridging the Talent Gap: Empowering Manufacturing in Northern Ireland through Skills and Expertise | |
| 14.10-14.30 | Peter Turley, Managing Director, Sell Squared | Grow like ****! | |
| 14.30-14.50 | Suzanne Robb, Technology and Innovation Officer, CPI Biologics | CPI Pharma and Biomanufacturing - an Overview | |
| 14.50-15.30 | Moderator: Daksh Kumar, Global Solution Leader, IBM Consulting Panellists: Meenakshi Chorge, Senior Solution Consultant, IBM Consulting, Darko Djapic, Performance Data & Benchmarking Lead Ireland, IBM Consulting, Deepa Sridhar, Senior Solution Consultant - IBM | Generative AI for Business | |
| 15.30-15.35 | Sam Turner, Chief Executive Officer, Advanced Manufacturing Innovation Centre (AMIC) | Closing Remarks | |



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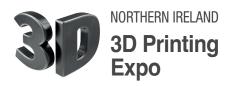
3D Printing (AM) / High Tech Manufacturing & Precision Engineering (PM)



| Times | Name | Торіс | |
|-------------|--|--|--|
| 9.55-10.00 | Kieron Swords, CEO, Dynamic Innovations | Opening Remarks | |
| 10.00-10.20 | Cathal Finch, Area Sales Manager, Tyrolit | Tyrolit - Your Partner for Composite Cutting, Grinding, & Machining | |
| 10.20-10.40 | David Wimpenny, Chief Technologist, National Centre for Additive Manufacturing - MTC | Overcoming the barriers to adoption of Additive Manufacturing | |
| 10.40-11.00 | Joseph Reffitt, Regional Development Lead (Digital Engineering), National Composites Centre | Digital Engineering in Composites | |
| 11.00-11.20 | COFFEE BREAK & NETWORKING | | |
| 11.20-11.40 | Mark Higgins, Director of Operations, Fast Technologies | Life in the FAST lane for Small-Medium sized businesses | |
| 11.40-12.00 | Margaret McCaul, Assistant Professor, DCU | 3D Printing in Sensor Development for Monitoring Natural Waters | |
| 12.00-12.20 | Dermot Brabazon, Professor, DCU | Digitalisation of Metal Additive Manufacturing for Part Microstructure and Quality Control | |
| 12.20-12.40 | Kieron Swords, CEO, Dynamic Innovations | Sustainability and Circular Economy in Advanced Manufacturing | |
| 12.40-13.05 | LUNCH BREAK & NETWORKING | | |

High-Tech Manufacturing & Precision Engineering (PM)

| 13.05-13.45 | Moderator: Kieron Swords, Dynamic Innovations Panellists: David Wimpenny, Chief Technologist, National Centre for Additive Manufacturing - MTC, Mark Price, Professor of Aeronautics, High Value Design Lead, School of Mechanical and Aerospace Engineering, Queen's University Belfast & Dermot Brabazon, Professor, DCU | From Blueprint to Breakthrough: Unveiling the Power of 3D Printing and High-Tech Precision Engineering in Northern Ireland's Manufacturing Horizon |
|-------------|--|--|
| 13.45-14.05 | Adam Stewart, Manufacturing Intelligence Division, Hexagon & Paul O'Neill, Metrology Systems Sales Manager, Hexagon | HEXAGON - Intelligent Machine Control & Automated Inspection Solutions |
| 14.05-14.25 | Alastair Cupples, Manufacturing Engineer (CNC), Northern Ireland Technology Centre, Queen's University Belfast | Digital Machining |
| 14.25-14.45 | Mark Price, Professor of Aeronautics, High Value Design Lead, School of Mechanical and Aerospace Engineering, Queen's University Belfast | New perspectives on interoperability across design and manufacturing in an integrated design process |
| 14.45-15.05 | Peter Higgins, Digital Manufacturing Team Lead, Northern Ireland Technology Centre | Simulation for informed decisions on your factory floor, steps towards a digital twin |
| 15.05-15.25 | Tadhg Henderson, CEO, Profitsflow | Is MRP or MPS Best Suited to Your Business? |
| 15.25-15.30 | Kieron Swords, CEO, Dynamic Innovations | Closing Remarks |











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All presentations/timetables are subject to change. Please check with onsite event timetable on the day.

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Robotics & Automation (AM) / Food & Drink Manufacturing (PM)

Robotics & Automation (AM)

| Times | Name | Торіс | | |
|-------------|---|--|--|--|
| 9.55-10.00 | Lee Bristow, Chief Technology Officer, Phinity Risk Solutions | Opening Remarks | | |
| 10.00-10.20 | Damien Munroe, Managing Director, Control Station | Modeling and optimization approaches to PID controlled processes and system | | |
| 10.20-10.40 | Lee Bristow, Chief Technology Officer, Phinity Risk Solutions | Neural Science of Compliance - Can Ethics and Robotics Mix | | |
| 10.40-11.00 | Natasha Pell, Process Improvement Engineer, Wallace McDowall | Transforming Manufacturing: Introducing Collaborative Robots for Enhanced Efficiency and Innovation | | |
| 11.00-11.10 | COFFEE BREAK & NETWORKING | | | |
| 11.10-11.30 | John McManus, Country Director, Advanced | Supercharging your manufacturing by becoming proactive with your people | | |
| 11.30-11.50 | Jarlath Warner, Founder & CEO, Axonnr | Robotics - The Future of Prosthetics | | |
| 11.50-12.10 | Andrew Schofield, Automation and Robotics Lead, Northern Ireland Technology Centre, Queen's University Belfast | Lights Out Automation — Closing the Loop | | |
| 12.10-12.40 | Moderator: Lee Bristow, Chief Technology Officer, Phinity Risk Solutions Panellists: Natasha Pell, Process Improvement Engineer, Wallace McDowall, Jarlath Warner, Founder & CEO, Axonnr & Andrew Schofield, Automation and Robotics Lead, Northern Ireland Technology Centre, Queen's University Belfast | Unleashing the Future: Robotic Revolution in Northern Ireland's Manufacturing Realm - Trends, Challenges, and Remarkable Rewards | | |
| 12.40-13.00 | LUNCH BREAK & NETWORKING | | | |

Food & Drink Manufacturing (PM)

| 13.00-13.05 | Rabia Mirza, CEO, Leadership and HR Solutions | Opening Remarks |
|-------------|---|--|
| 13.05-13.25 | Anne Conlon, Founder, All About Sales | Selling Through |
| 13.25-13.45 | Sinéad Crowther, CEO, Soothing Solutions | Manufacturing Mums |
| 13.45-14.05 | Dr Michaela Fox, AgriFood Business Development Manager, Institute for Electronics, Communications and Information Technology (ECIT) | Trends, drivers, market needs and opportunities for the agri-food industry |
| 14.05-14.25 | Doireann Barrett, Founder Owner & Business Developer, The Gluten Free Kitchen Company | My journey learning to live with Stage 4 Endometriosis & Coeliac Disease while developing my Food & Wellness Brand |
| 14.25-14.45 | Rabia Mirza, CEO, Leadership and HR Solutions | 7 ways to master your leadership skills |
| 14.45-15.05 | Annemarie Roddy, Associate Director, Carbon Fit | Decarbonising Your Supply Chain |
| 15.05-15.20 | Sue McGuire, Partnership Manager Northern Ireland, Digital Catapult | The role of digital technologies in the drive to NetZero |
| 15.20-15.25 | Rabia Mirza, CEO, Leadership and HR Solutions | Closing Remarks |







Conference & Exhibition





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Supply Chain, Logistics & Procurement (AM) Lean, Productivity & Continuous Improvement (PM)

Supply Chain, Logistics, Procurement (AM)

| Times | s Name Topic | | | |
|-------------|---|---|--|--|
| 9.55-10.00 | Jonathan Walsh, International Trade & Strategic Management Consultant, Fortior Insight Ltd | Opening Remarks | | |
| 10.00-10.20 | Dermot Diamond, Professor Emeritus, Dublin City University | Making Northern Ireland the location of choice for Wealth-Creating Industries of the Future | | |
| 10.20-10.40 | Michael Gerner, Principal Director, Precise Proposals | To bid or not to bid? That is the question | | |
| 10.40-11.00 | Daniel Freeman, Senior Consultant, Scotwork International | Creating better deals: What's preventing your teams from becoming better negotiators? | | |
| 11.00-11.10 | COFFEE BREAK & NETWORKING | | | |
| 11.10-11.30 | Desmond O'Sullivan, VP Business Development EMEA, Optel Group | The Future of Pharmaceutical Supply Chains | | |
| 11.30-11.50 | James Butcher, CEO, Supply Pilot | How to ensure supply chain resilience through supplier engagement. | | |
| 11.50-12.10 | Dr Hangfei Guo, Director of Certificate and Diploma Programmes, Queen's Management School, Belfast | Boosting your career in Operations and Supply Chain Management | | |
| 12.10-12.30 | Jonathan Walsh, International Trade & Strategic Management Consultant, Fortior Insight Ltd | What does the Windsor Framework mean for Cross- Border Traders in Northern IReland | | |
| 12.30-12.50 | Nigel Irvine, Founder & CEO, Specialist Export Solutions Ltd | Let's get Exporting! The smarter way to start | | |
| 12.50-13.20 | LUNCH BREAK & NETWORKING | | | |

Lean, Productivity & Continuous Improvement (PM)

| 13.20-13.25 | Tom Hughes, Commercial Director, GembaDocs | Opening Remarks |
|-------------|--|--|
| 13.25-13.55 | Nick Racster, CEO, KaizApp AG & Paul Collins, Board Advisor, KaizApp AG | KaizApp - Self-sustaining continuous improvement with AI assisted problem solving |
| 13.55-14.15 | Tom Hughes, Commercial Director, GembaDocs | How to make any workplace better with SOP's |
| 14.15-14.35 | Linda Middleton-Jones, Managing Director, International Trade Matters Ltd | Lean Into Export |
| 14.35-14.55 | Rich Dale, CEO & Founder, Flowlens Manufacturing Software | Invisible Waste - 5 Ways You Are Leaking Cash and Opportunities (and what to do about it) |
| 14.55-15.30 | Moderator: Tom Hughes, Commercial Director, GembaDocs Panellists: Linda Middleton-Jones, Managing Director, International Trade Matters Ltd, Rich Dale, CEO & Founder, Flowlens Manufacturing Software & Liam Cassidy, Partner - Lean Management, Altix Consulting | Lean Revolution: Powering Efficiency and Waste Elimination in Northern Ireland's Manufacturing Landscape |
| 15.30-15.35 | Tom Hughes, Commerical Director, GembaDocs | Closing Remarks |

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Sustainable Manufacturing (AM) / IoT, Industry 4.0 & Digital Transformation (PM)

Sustainable Manufacturing (AM)

| Times | Name | Торіс | |
|-------------|--|---|--|
| 9.55-10.00 | Ben Craig, Commercial Director, International Synergies Ltd | Opening Remarks | |
| 10.00-10.20 | Ross Moffett, Sales & Business Development Director, Everun | Where Energy meets Innovation | |
| 10.20-10.40 | David Little, Chairman, The Irish Packaging Society | Packaging Sustainability Training, The Irish Packaging Society and the WPO (World Packaging Organisation) | |
| 10.40-11.00 | Ben Craig, Commercial Director, International Synergies Ltd | How to cut costs and carbon with circular business | |
| 11.00-11.10 | COFFEE BREAK & NETWORKING | | |
| 11.10-11.30 | Peter Marshall, Director, Responsible Plastic Management Program | Benefits of Responsible Plastic Management for organisations and the Zero Plastic to Landfill Challenge | |
| 11.30-11.50 | Steven Agnew, Director of RenewableNI, RenewableNI | The Power of Renewables | |
| 11.50-12.10 | Mike Higgins, Founder & Author, Circularwise | Operational recovery for reuse and repurposing of waste operational structures | |
| 12.10-12.40 | Moderator: Ben Craig, Commercial Director, International Synergies Ltd Panellists: James Butcher, CEO, Supply Pilot, Steven Agnew, Director, RenewableNI & David Little, Chairman, The Irish Packaging Society | Green Gold: Pioneering Sustainable Manufacturing for Thriving Business and a Healthier Planet in Northern Ireland | |
| 12.40-13.00 | LUNCH BREAK & NETWORKING | | |

IoT, Industry 4.0 & Digital Transformation (PM)

| 13.00-13.05 | John Bound, Head of Proposition Marketing, RS Industria | Opening Remarks |
|-------------|--|---|
| 13.05-13.25 | Sam Salih, Head of 5G IoT Propositions & Commercial, BT | Is 5G the answer to unlocking Industry 4.0? Considerations for Digital Transformation in Manufacturing |
| 13.25-13.45 | Mark Walmsley, Commercial Director, Lagan Networks | How using Sensor Based Data Solutions can provide actionable insight, improve efficiencies & reduce costs |
| 13.45-14.05 | John Bound, Head of Proposition Marketing, RS Industria | Industry 4.0 – Improving Adoption |
| 14.05-14.25 | Barry Harper, Founder & CEO, Nvolve Group | Using AI to deliver Operational and Tangible Business Improvements in Manufacturing |
| 14.25-14.55 | Nick Racster, CEO, KaizApp AG & Paul Collins, Board Advisor, KaizApp AG | KaizApp - The operating system for continuous improvement (with AI assisted problem solving) |
| 14.55-15.15 | Wasif Naeem, Reader (Associate Professor), Queen's University Belfast | A Trans-National Smart Manufacturing Education Hub |
| 15.15-15.35 | Dominic Mullins, Digital Engineer, Northern Ireland Technology Centre, Queen's University Belfast | Digitalisation of a manufacturing process - a case study – COREF |
| 15.35-15.40 | John Bound, Head of Proposition Marketing, RS Industria | Closing Remarks |











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2023/24 Events





















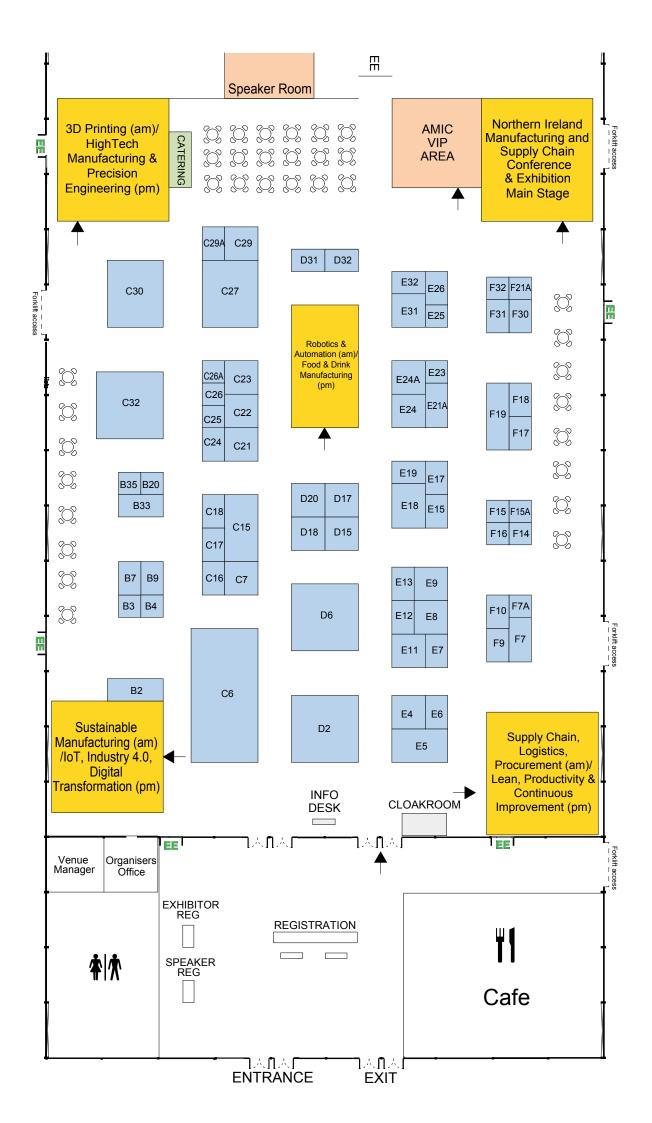














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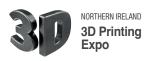






























| .IE | E25 | Federation of Small Businesses | E08 | Profitsflow | F15A |
|-------------------------------|------|--------------------------------|-------|---------------------------------|------|
| 5S Supply Ltd | F17 | Future Renewables | E32 | QMS Insight | E09 |
| Advanced | D17 | Haas Automation Ltd | E12 | Queen's Management School | C23 |
| AMIC | C06 | Health and Safety Executive NI | B20 | R-Tek Manufacturing | D18 |
| Ansons | E13 | Henry R Ayton Ltd | C30 | Regtick | C26A |
| Armour | F15 | Herbst Software | C07 | Reliance Automation | E07 |
| Ashdale Engineering | C25 | Hexagon | D02 | Responsible Plastic Management | F10 |
| ATC | C15 | IMI4: Building Expertise in | | RS | E21 |
| ATC Group | E18 | Industry 4.0 | B35 | Schunk | F16 |
| Blaklader | D06 | Impact Ireland (Metals Ni) Ltd | E24 | Solid Solutions | D32 |
| Brother Ireland | C18 | Inspire 3D | C32 | Special Steels | F09 |
| BT Business | C27 | International Synergies NI Ltd | B03 | Sperrin Metal Storage Solutions | C24 |
| Cargo-Partner Network Limited | E15 | iPower Flexible Energy | D31 | Starteam Global | E06 |
| CGTech | E11 | Izon x Everun | B07 | Start Solar | F19 |
| Compliance Engineering | | JL Goor Ltd | E19 | Supply Chain Partner | F21A |
| International Ltd | C21 | Kingsbury | C29 | Texam Limited & ENE | |
| Control Station Inc | F07 | Kuehne + Nagel Ltd | C17 | Conveyor Belting | E05 |
| Dry Ice Ireland | F7A | Labquip (Ireland) Limited | B33 | The Irish Packaging Society | C29A |
| Easy Customs | C26 | Lagan Networks | B02 | The Northern Ireland Chamber of | |
| ECT Adhesives | B09 | Lenalea Electronics | E04 | Commerce and Industry | E23 |
| EHD Product Design & Technica | | MCS Group | F14 | UDS Freight | F31 |
| Engineering Solutions | E21A | Montgomery Transport Group | E24A | Unicorn-group | E17 |
| Enterprise Ireland Technology | DO 4 | Moore Welding | D20 | | |
| Gateways | B04 | OPEN MIND Technologies UK Lt | d F32 | | |
| European Springs & Pressings | D15 | | | | |

















































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