NORTHERN IRELAND MANUFACTURING & SUPPLY CHAIN CONFERENCE & EXHIBITION TEC, Belfast, September 12th 2024

In Partnership With

ADVANCED MANUFACTURING INNOVATION CENTRE





Manufacturing & Supply Chain Conference & Exhibition

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2024/25 Events



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The Advanced Manufacturing Innovation Centre (AMIC) is delighted to be back to partner with the Northern Ireland Manufacturing and Supply Chain Conference and Exhibition for 2024. Last year, we shared our exciting plans for AMIC, and we are thrilled this year to have the opportunity to share our progress and our future plans.

Sam Turner, Chief Executive Officer - Advanced Manufacturing Innovation Centre (AMIC)

At the event, you'll have the opportunity to meet experts in our four capability areas: Digital Factory, Sustainable Polymers and Composites, Smart Design, and Nanotechnology and Photonics, plus discover our innovative work in the areas of skills and sustainability. Throughout the event, you can also discover key insights and listen to panel discussions from our team on the themes of automation and robotics, supply chain management, 3D printing, and sustainability. We're looking forward to networking with manufacturing companies of all sizes to find out more about the challenges they face and discuss how we can support them.

AMIC is a £100m collaborative, innovative powerhouse of advanced manufacturing which is set to elevate our region globally. It is being delivered by Queen's University Belfast in partnership with industry, Antrim and Newtownabbey Borough Council, Ulster University, and supported by the UK Government and Northern Ireland Executive through the Belfast Region City Deal.

Through AMIC, we are supporting economic growth and prosperity for Northern Ireland by creating high-quality jobs and increasing inward investment through high-value manufacturing innovation clusters: driving industrial transformation, paving the way for future technologies, and competing globally with a more sustainable focus.

AMIC is now progressing at pace, with construction recently starting on our state-

of-the-art Factory of the Future at Global Point in Newtownabbey, which is key to an exciting future for advanced manufacturing in Northern Ireland.

The new 10,500m2 Factory of the Future will be our flagship facility and will become Northern Ireland's national centre for advanced manufacturing, significantly accelerating levels of innovation and collaboration between industry and researchers. The facility is set to open in 2026 and will give advanced manufacturing and engineering businesses access to the very latest technology, specialist equipment, and expertise.

Our team is also growing rapidly, having recently expanded to over 40 members of staff as we begin to implement our ambitious vision with enhanced capability in digitalisation, design, and sustainability, and deliver real impact across the region. AMIC's potential impact is huge. By 2050, it's estimated that our innovation centre will have contributed more than £1bn to the local economy, directly and indirectly created over 1,500 permanent jobs, and supported the training of 300 apprentices.

We're already working with our industry partners to make a difference in our communities, whether that's through our Robotics and Automation pilot programme with CAFRE in Cookstown which worked with 25 companies across Northern Ireland or working with local schools through the Advanced Manufacturing Pathways



Schools Project, helping students to learn about developing career opportunities in advanced manufacturing.

This year we've also worked with a large range of companies and partners, such as High Value Manufacturing Catapult, LMAC Consulting, and Invest NI, to elevate Northern Ireland's advanced manufacturing capability, including forging new crossborder collaborations with Louth & Meath ETB AMTCE (Advanced Manufacturing Training Centre of Excellence). Our work involves supporting industry needs and opportunities and collaborating with small and large businesses across Northern Ireland and beyond. We also collaborated to support industry in their digital journey as part of the Digital Factory Accelerator Program – supported by the Smart Industry Readiness Index (SIRI). This programme has provided industry with detailed insights, clear direction, and practical steps for each company's digital transformation and strategic planning.

The future for Northern Ireland manufacturing is bright. The Department of Business and Trade recently announced over £100 million of government-industry funding for cuttingedge aerospace tech projects to support greener air travel, including the £10.9 million Scenic Composites project – led by AMIC in partnership with Spirit AeroSystems, Denroy and Datum Tool Design. Through this project, we are developing a variety of high-value testing and manufacturing equipment which will build capability for our aerospace cluster and further consolidate its UK-leading role in advanced aerostructures.

If you are interested in collaborating with us, there are multiple ways you can engage with AMIC, whether that's getting involved with our events, becoming an AMIC member, or accessing skills or innovation support – we're always on hand to support you with your advanced manufacturing needs.

At AMIC, we're helping local businesses become more competitive on a global level, draw in investment, and ensure Northern Ireland has the skilled workforce essential for the future. Collaborate with us today to help make this vision a reality.



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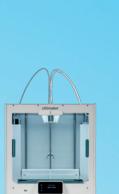
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Main Stage Northern Ireland Manufacturing & Supply Chain Conference & Exhibition

Times	Name	Торіс	
9.45-9.50	Sam Turner, Chief Executive Officer - Advanced Manufacturing Innovation Centre (AMIC)	Opening Remarks	
9.50-10.10	Sam Turner, Chief Executive Officer - Advanced Manufacturing Innovation Centre (AMIC)	Advanced Manufacturing Innovation- the Opportunity for Northern Ireland	
10.10-10.50	Moderator: Brian Barry, Event MC and Presenter Panellists: Róisín Fitzpatrick, Immigration Services and Global Employer Services Partner, Deloitte Ireland, Philip McNally, Senior Manager, Deloitte Ireland	Addressing the Skills Gap in Northern Ireland	
10.50-11.10	Professor Ashish Malik, Director of Executive Education, William J. Clinton Leadership Institute, Queen's Business School	Reimagining The Workforce Ecosystem	
11.10-11.30	Peter Trimble, Senior Solutions Architect, Amazon Web Services	Generative AI in Manufacturing & Supply Chain	
11.30-12.10	Moderator: Kieran Kelly, CEO, ubloquity Panellists: Fiona Simpson, Head of Commercial NI, Amazon Web Services, Peter Trimble, Senior Solutions Architect, Amazon Web Services, Nick McCullough, Managing Director, Manfreight, Matthew Boutros, Customs Manager, Derry Bros Customs Clearance	The Windsor Framework: Blockchains and Unfettered Access	
12.10-12.30	Glyn Roberts, Chief Executive, Retail NI	Economic Priorities for the Northern Ireland Executive	
12.30-13.10	LUNCH & NETWORKING		
13.10-13.30	Tristan McCallum, Senior Technologist, IDA Ireland	How the Digital Transformation is Benefiting Irish Industry	
13.30-13.50	Mark McKeever, Director, PwC	PwC Global SC Survey: Reinventing Supply Chains 2030	
13.50-14.10	Ian Gardner, Account Technical Lead, IBM	Generative AI – What Does It Mean For Supply Chains And Manufacturing?"	
14.10-14.30	Philip McNally, Senior Manager, Deloitte Ireland	Can Immigration Help Solve The Skills Gap In Northern Ireland?	
14.30-15.10	Moderator: Brian Barry, Event MC and Presenter Panellists: Nigel Irvine, Founder / MD, Specialist Export Solutions Ltd, Suzanne Wylie, Chief Executive, NI Chamber of Commerce	Bridging the Talent Gap: Empowering Manufacturing in Northern Ireland Through Skills and Expertise	
15.10-15.30	Lee Bristow, CEO, Risk Copilot Limited	Frameworks That Simplify AI Success (Human AI Alliance)	
15.30-15.35	Brian Barry, Event MC and Presenter	Closing Remarks	



All presentations/timetables are subject to change. Please check the event website for an updated timetable on the day.

3D Printing (AM)

Times	s Name Topic				
9.45-9.50	Dr Peter Watters, Research and Development Engineer, Irish Biomethane (NI)	Opening Remarks			
9.50-10.10	Paul Quinn, Lead Additive Manufacturing Applications and Training Engineer, Inspire 3D	Advanced Applications with Additive Manufacturing			
10.10-10.30	Steven Hunter, Composites Senior Performing Engineer and Operations Manager, AMIC	Creating an Advanced Manufacturing Skills Pipeline			
10.30-10.50	Cathal Finch, Area Sales Manager, Tyrolit Abrasives Metal & Composites: Surface Prep and Finishing				
10.50-11.10	COFFEE BREAK & NETWORKING				
11.10-11.30	Kevin Murphy, Territory Sales Manager – UK & Ireland, 3DTechnology	Bringing Next Level Additive Manufacturing to the Factory Floor			
11.30-11.50	JB Dobbin, Design Director & Founder, Demanu	Road to the Red Dot Design			
11.50-12.30	Moderator: Dr Peter Watters, Research and Development Engineer, Irish Biomethane (NI) Panellists: Thomas Cornthwaite, UK Operations, DiManEx, Steven Hunter, Composites Senior Performing Engineer and Operations Manager, AMIC, Rosie McDowell, European Patent Attorney, EIP Europe	From Blueprint to Breakthrough: Unveiling the Power of 3D Printing and High-Tech Precision Engineering in Northern Ireland's Manufacturing Horizon			
12.30-13.10	LUNCH & NETWORKING				

Future of Work/Supporting Business Growth (PM)

13.10-13.50	Moderator: Rachel Doherty, Founder and Lead Consultant, Inspired Business Consultancy Panellists: Maeve Monaghan, Chief Executive, NOW Group, Claire O'Hanlon, Director, Carers at Work CIC, Lindsay Colton, Digital Transformation Manager, Terex MP Group	Diversity & Inclusion – Unlock Your Talent Pipeline
13.50-14.10	Niamh MacAuley, Owner and Video Marketing Manager, Purple Dot Media	The Impact and Advantages of Video Marketing
14.10-14.30	Craig Thompson, Founding Director, Vibrant Talent	Magnetic Culture: Leveraging EX to Attract & Retain Talent
14.30-14.50	Ruth Kearney, CEO, Nightingale HQ	Strada: Europe's First Leadership Programme for Women in Manufacturing
14.50-15.10	Mark Johnston, Director, Johnston Financial Solutions	Financing Growth: How Commercial Finance Can Help You To Grow Your Business
15.10-15.30	Vaishali Baid, Social Value Lead and Senior Consultant Sustainable Procurement, Action Sustainability	Leveraging Social Value in Procurement: A New Era for Northern Ireland
15.30-15.35	Rachel Doherty, Founder and Lead Consultant, Inspired Business Consultancy	Closing Remarks



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Robotics & Automation (AM)

Times	Name	Торіс	
9.45-9.50	Tina Calder, Chief Vision Officer, Excalibur Press	Opening Remarks	
9.50-10.10	Glenn Rutherford, Senior Manufacturing Engineer - Advanced Machining, AMIC	Digital Machining	
10.10-10.30	Centre for Competitiveness	ТВС	
10.30-10.50	Andrew Gough, Managing Director, GCD Technologies	Using Digital Transformation To Stand Out From The Crowd	
10.50-11.30	Moderator: Tina Calder, Chief Vision Officer, Excalibur Press Panellists: Rod O'Doherty Director Salar IT Ltd	Business Digital Transformation	
11.30-11.50	Michael Guilfoyle, Services & Support Manager, Pilz Ireland	The New Machinery Regulation - Self Evolving Machinery, Industrial Security & CE Marking for the European Market	
11.50-12.10	Rod O'Doherty Director Salar IT Ltd	Digital Business Solutions: Keys to Successful Selection and Implementation	
12.10-12.50	LUNCH & NETWORKING		

IoT, Industry 4.0 & Digital Transformation (PM)

12.50-13.30	Moderator: Tina Calder, Chief Vision Officer, Excalibur Press Panellists: Mark Walmsley, Commercial Director, Lagan Networks Ltd, Ian Gardner, Account Technical Lead, IBM, Rhealyn Mugri, Founder, The Digital Projects Eric Hewitson, Head of Communications, Wyld Networks	Beyond Boundaries: Igniting the Manufacturing Revolution - Industry 4.0 and Digital Transformation Redefining Northern Ireland's Future	
13.30-13.50	Lauren McGarry, Senior Engineer, AMIC,	Digital Transformation in Manufacturing	
13.50-14.10	Tina Calder, Chief Vision Officer, Excalibur Press	Using AI To Supercharge Your Manufacturing Firm's Marketing Efforts	
14.10-14.30	Brendan Rorrison MSc, R&D Manager, Leyton	IoT: Going Beyond Industry 4.0: The Perfect Blend of Human and Machinery	
14.30-14.50	Lee Bristow, CEO, Risk Copilot Limited	ProductOS	
14.50-15.10	Rhealyn Mugri, Founder, The Digital Projects	From Assembly Line to Search Engine: Leveraging SEO to Supercharge Your Manufacturing Brand	
15.10-15.30	Mark Walmsley, Commercial Director, Lagan Networks Ltd	Establish Utilities Usage Baseline Data with Ease	
15.30-15.35	Tina Calder, Chief Vision Officer, Excalibur Press	Closing Remarks	



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Supply Chain, Logistics & Procurement (AM)

Times	Name	Торіс		
9.45-9.50	Rohit Thakral, CEO, Target Integration	Opening Remarks		
9.50-10.10	Mark Price, Professor of Aeronautics, AMIC	Accelerating the Digital Transition - Autonomous Design of Products and Supply Chains		
10.10-10.30	Joseph Kelly MEng, Consultant, Leyton	Future of Flight: Innovation in Aerospace		
10.30-10.50	Dr Mary Harte, Northern Ireland Contact Point for Engineering – Manufacturing, Materials, Transport, Horizon Europe and Anshumaan Ayyangar, UK National Contact Point and Global Innovation Lead – Manufacturing & Materials, Horizon Europe	Leveraging Advanced Manufacturing And Engineering Strengths In Northern Ireland To Boost Participation In Horizon Europe		
10.50-11.10	Rohit Thakral, CEO, Target Integration	10 Misconceptions of an ERP Implementation for an Electronics Manufacturing Business - An Interview with Guest		
11.10-11.30	Thomas Cornthwaite, UK Operations, DiManEx	The Challenges and Rewards of Scaling Supply Chain Transformation Through Digitisation and Additive Manufacturing		
11.30-11.50	Nigel Irvine, Founder / MD, Specialist Export Solutions Ltd	"Let's get Exporting" The Smarter Way to Start !!		
11.50-12.10	Cherrie Stewart, Chartered Trade Mark Attorney, Ansons	Protecting Innovation Through Intellectual Property Protection		
12.10-12.30	David Beck, Business Development Manager, RGIS	Optical Character Recognition in Stocktake		
12.30-12.50	Zac Crossland, Head of Energy, Leyton Taxation Within Energy Bills & How To Mitigate Th			
12.50-13.10	LUNCH & NETWORKING			

Lean, Productivity & Continuous Improvement (PM)

13.10-13.50	Moderator: Rich Dale, CEO, Flowlens MRP Panellists: John McLaughlin, Director, ShopFloorLive.co.uk Tom Hughes, Director, GembaDocs, Holly Steele-Nicholson, Head of Analytics, Flowlens MRP	Lean Revolution: Powering Efficiency and Waste Elimination in Northern Ireland's Manufacturing Landscape
13.50-14.10	John McLaughlin, Director, ShopFloorLive.co.uk	Advancing Lean Manufacturing Into The Digital Age
14.10-14.30	Tom Debar, Project Manager, Kempston Controls Lighting Solutions	LED Lighting Projects – An Easy Win, But Not All LEDs Are Equal
14.30-14.50	Rich Dale, CEO, Flowlens MRP, Holly Steele-Nicholson, Head of Analytics, Flowlens MRP	Data Driven Insights for SME Supply Chain Challenges
14.50-15.10	Tom Hughes, Director, GembaDocs	Make The Process The Expert - How To Roll Out Standardisation In Your Manufacturing Business
15.10-15.30	Michael Gerner, Principal Director, Precise Proposals	How To Win Marks And Influence People
15.30-15.35	Rich Dale, CEO, Flowlens MRP	Closing Remarks









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Midlands Engineering Network

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Sustainability, Renewable Energy & Climate Tech

Times	Name	Торіс
9.45-9.50	Brian Roche, Co-Founder, Smart Sustainability LTD	Opening Remarks
9.50-10.10	Fiona Stevens, Stakeholder Manager, North Channel Wind	Offshore Wind Energy in Northern Ireland
10.10-10.30	Naeem Atta, CEO, Digycorp	Saving the Seas - Restoring Corals with Digital Twinning
10.30-10.50	Ruth Kearney, CEO, Nightingale HQ	Sustainable Software Solutions: Our Commitment to the Steel Industry
10.50-11.10	Richard Linger, CEO, PV Generation	Emerging Opportunities for Renewables and Battery Storage in Northern Ireland
11.10-11.30	Rachel Doherty, Founder and Lead Consultant, Inspired Business Consultancy	Demystifying 'Social Value' - Putting The S Back Into ESG
11.30-11.50	Gemma McLaughlin, MD, Hot Cross Digital	Reforming Marketing for Sustainability: The Role of Marketing in Promoting ESG
11.50-12.10	Cherie Gardiner, Programme Manager - Manufacturing and Materials, Innovate UK	Reimagining Materials and Manufacturing
12.10-12.30	Damien Munroe, Integration Director EMEA, Control Station	Sustainable Pharmaceutical Manufacturing: Modeling and Optimisation Approaches to PID-Controlled Processes and Systems
12.30-12.50	Mariusz Kucharek PhD, Senior Consultant, Leyton	Sustainable Construction
12.50-13.10	Ryan Daly, Renewables Director, b4b renewables	Empowering Growth: Leveraging Renewable Energy Solutions for Sustainable Business Expansion and Enhanced Operational Efficiency
13.10-13.35	Moderator: Dr Duncan Emery, Co-Founder, Smart Sustainability LTD Panellists: Rich Dale, CEO, Flowlens MRP, Ben Craig, Head of Partnerships and Business Development, CarbonFit, Damien Munroe, Integration Director EMEA, Control Station, Bronagh Millar, Characterisation Manager in Sustainable Composites & Polymers, AMIC	Green Gold: Pioneering Sustainable Manufacturing for Thriving Business and a Healthier Planet in Northern Ireland - Part 1
13.35-14.00	Moderator: Dr Duncan Emery, Co-Founder, Smart Sustainability LTD Panellists: Gareth Martin, Sustainability Reporting And Assurance Managing Director, Deloitte, Gillian McKee, Managing Director, GIRAFFE Associates Ltd, Tim Monroe, CMO, Smiley Monroe Group	Green Gold: Pioneering Sustainable Manufacturing for Thriving Business and a Healthier Planet in Northern Ireland - Part 2
14.00-14.20	Ben Craig, Head of Partnerships and Business Development, CarbonFit	Unlocking Competitive Advantage: Why Carbon Accounting is Essential for Sustainable Manufacturing in SMEs
14.20-14.40	Dr Peter Watters, Research and Development Engineer, Irish Biomethane (NI)	Future Renewables Gases Employment Opportunities On The Farm
14.40-15.00	Ciara Greaney, Managing Director, White Spire	Efficient Sustainability Reporting
15.00-15.20	Andrew Watson, CEO, Sustainability Education, David McCracken, Faculty, Sustainability Education	Enough For All, Forever: Connecting Business, Industry and Development Sectors with Education
15.20-15.40	Dr Duncan Emery, Co-Founder, Smart Sustainability LTD	Delivering Rapid Profitability Improvements Through Enhanced Sustainability
15.40-15.45	Brian Roche, Co-Founder, Smart Sustainability LTD	Closing Remarks











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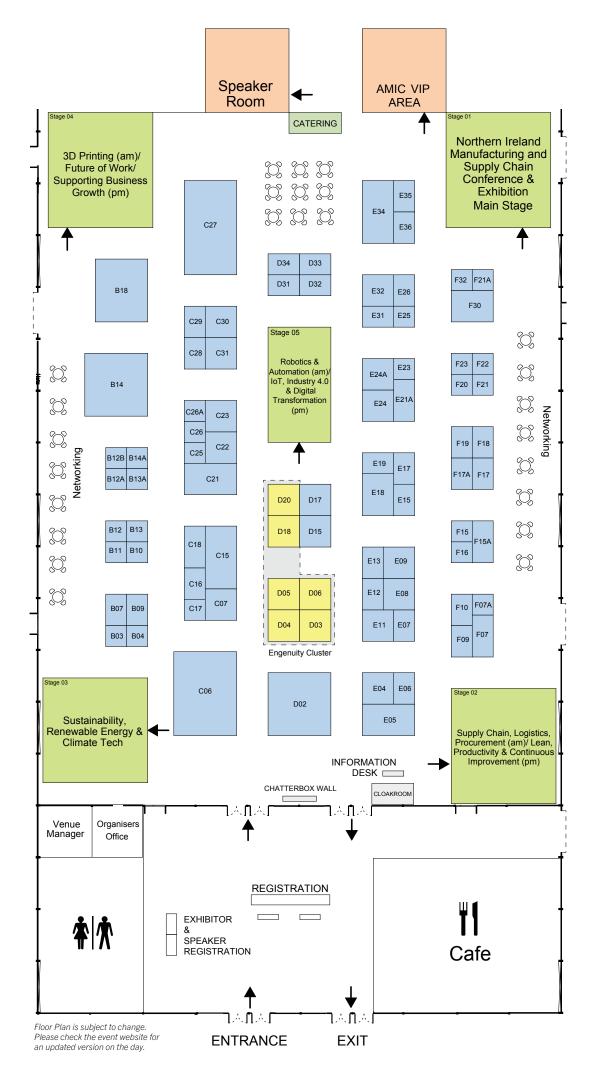
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3D Technology	E18	Galvia	B13	Scaffold Digital	B10
5S Supply Ltd	F17	GCD Technologies	E36	Schunk	F16
Abtech Precision	F10	GEMBADOCS	F07	SEW Eurodrive Ltd	E24A
Advanced Manufacturing Training		Hallgruppen	C07	Smart Sustainability Ltd	C25
Centre of Excellence	E05	Health and Safety Executive NI	B03	Solarfix NI Ltd	E12
AJ Hurst/Schneider Electric	C27	Impact Ireland Metals NI	E24	Solid Solutions	D32
Allister Moore Welding & Engineering	E21A	Inspire 3D	B14	Sperrin Metal Storage	E19
AMIC / Queens University	C06	Inspired Business Consultancy	C26	Starteam Global	E07
Anaeko Data Engineers	B12B	JL Goor Ltd	E06	Target Integration	C23
Ansons	F15	Kaizen PLM LTD	D34	Tejas Software	B04
Ashdale Engineering	B09	Kempston Controls	D02	Texam/ENE Conveyor Belting	C21
b4b Renewables	B14A	Key Plastics	C26A	TR Logistics Group	F22
Bowers Group	E04	Lagan Networks	C17	Turley Legal	B12A
Compliance Engineering Ltd	C28	Lauralu UK Ltd	E11	UK Export Finance	E25
ControlSoft Automation Systems Ltd	F19	Lenalea Electronics	D15	Vision 3D Solutions	F30
CSR Zone	B18	MacClancy and Sons Ltd	E23	Vyra	B12
Cutting Industries	C22	McKenzies Ltd	E15	White Spire	B11
Decision Analytics	F23	Migatronic	C18	Wolffsohn Research Ltd	B13A
Demanu & ShopFloorLive	F15A	NMT International Shipping Ltd	E35	Woodside Logistics Group	E08
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ECI Software Solutions	E09	Northern Ireland Chamber of			
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Engineering Equipment Sales and		P&M LEV Specialists Ltd	E31	Engenuity Cluster	
Services (N.I) Ltd.	C29	PV Generation	E34	Strikebox	D03
Engineering Technology Group	F17A	Queen's Business School	C31	Applied Concepts	D04
European Springs & Pressings Ltd	E13	R-Tek Manufacturing	D17	Acentryx	D05
Excalibur Press	C30	Reilly Plastics	C15	Moulding Technology Ltd	D06
EY	F21	Reliance Automation	D31	Engenuity Cluster	D18
Fast Technologies	E32	SA Partners	E26	DTS	D20

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