

Battery Tech Expo

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**HYDROGEN
TECH EXPO**

Event Guide

26th & 27th March 2025

The Wing, Silverstone, Towcester, NN12 8TL

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**Battery
Tech
Expo**



Advances in Battery and Hydrogen technology development continue to play a major part in the transition to net zero with the UK investing heavily in innovation.

Over the course of two days, you'll have the chance to explore the latest developments across two exhibition halls, where you'll find leading exhibitors showcasing cutting edge innovations.

Throughout the day, industry experts will be presenting on a variety of conference topics over two presentation theatres. You can see the full speaker agenda in this event guide. Speakers who have given permission for their content to be accessed publicly, we will be providing a password to our media library following the event.

We wish you a productive show.

D. Reeks

David



David Reeks

Managing Director,
10Four Media

Events Team



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the battery and
hydrogen industry



**Battery
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**HYDROGEN
TECH EXPO**



Topic: Advancing Hydrogen Innovation: The Potential of Solid Oxide Electrolyser Cells

Christian is the Investor Relations Manager at Hydrogen Solutions Limited, a pioneering company at the forefront of hydrogen energy innovation. With a strong background in investment strategy and technology-driven ventures, Christian specialises in connecting investors with groundbreaking renewable energy solutions. His expertise spans capital raising, corporate partnerships, and strategic communications, ensuring Hydrogen Solutions Limited remains a leader in sustainable energy. Passionate about advancing clean hydrogen technologies, Christian plays a key role in positioning the company's Solid Oxide Electrolyser Cell (SOEC) technology as a game-changer in the global energy transition.

9:25am – Hall 3



Christian Themistocleous
Investor Relations Manager
Hydrogen Solutions Ltd



Topic: UKBIC capabilities to scale up battery manufacturing from lab level to volume production

Andrew Britton is Business Development Manager for the UK Battery Industrialisation Centre (UKBIC), with responsibility for Module and Pack line, and training. Andrew, who joined UKBIC in 2019, has extensive experience of business development of products and services in the automotive and industrial equipment sectors and working with technology developers looking to bring their innovative products to market. His previous experiences include working for more than 15 years internationally with Perkins Engines, as part of its consultancy division, and prior to joining UKBIC, worked at Millbrook Proving Ground managing crash testing and its component test laboratory. Over the past 5 years Andrew has brought a variety of clients into the module and pack facilities in UKBIC and has a robust knowledge of the manufacturing processes and the challenges that organisations face in bringing innovative products to market.

9:30am – Hall 2



Andrew Britton
Business Development Manager
UK BIC



Topic: Optimal HVAC Solutions for Enhancing Efficiency and Performance in Battery Gigafactories

Joris Vieux works as Global Manager Battery for Cotes A/S in Aarhus, Denmark. With a distinguished career spanning two decades, he brings a wealth of expertise in large-scale battery applications and product sales. His professional journey started in the HVAC and clean room sectors, where he meticulously refined his skills before seamlessly transitioning to the Dry Room industry six years ago. His extensive knowledge encompasses Sweden, Norway, and Southern Europe, enabling him to craft and deliver exceptional, energy-efficient solutions. He's steadfastly committed to providing innovative, cost-effective solutions for clients who are pioneering advancements in battery manufacturing.

9:50am – Hall 3



Joris Vieux
Global Manager Battery & Country Manager France
Cotes A/S



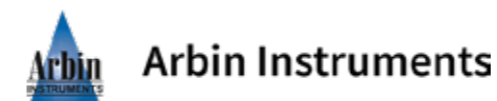
Topic: Scottish Power Green Hydrogen – Building Green Hydrogen Projects

Mark is a Market Development Manager with 25 years of experience in the industrial gases and fuel cell industry, covering product development and commercialisation, project management and development activities. Over the last 15 years he has been 100% focussed on hydrogen, which includes managing existing hydrogen refuelling stations and developing new opportunities for production and refuelling across the UK. He joined Scottish Power in 2021 to head up Market Development for Scottish Power in their green hydrogen business.

9:55am – Hall 2



Mark Griffen
Head of Hydrogen Development
Scottish Power



Topic: Precision Meets Efficiency, Importance of Regenerative Technology in Cell Testing

Sameh Zaguia is a Sales Engineer at Arbin Instruments, a leading global supplier of electrical battery testing equipment. Sameh graduated with a Master of Science degree in Automation Engineering from the National Institute of Applied Sciences and Technology (INSAT), and after gaining first engineering experiences at a globally leading companies in both healthcare technology and urban air mobility (UAM), joined the technical sales team at Arbin Europe. Today, Sameh has demonstrated experience in technical sales, consulting in large battery testing projects and supporting many high-profile clients.

10:15am – Hall 3



Sameh Zaguia
Sales Engineer
Arbin Instruments



Topic: The UK's competitive edge in low-cost battery chemistries: LF(M)P batteries for EV adoption

Aditya is a strategy and innovation professional with 10 years of experience in accelerating strategic initiatives and technology innovation programmes for transport and energy sectors. His recent experience at PA Consulting Ltd, saw him working as a Strategy Consultant and advising various senior stakeholders, from private and public sector clients, on technology and innovation strategy related projects. Previously, Aditya has worked as an Innovation Technologist at Connected Places Catapult, where he worked on accelerating early-stage ideas for transport related technologies

10:20am – Hall 2



Aditya Thiru
Automotive Trends Strategist
Advanced Propulsion Centre UK



Topic: High-Throughput Battery Testing in Practice: Accelerating Development Cycles from Lab to Market

Michele Paselli is the VP of Product at Monolith AI, leading the company's product strategy and innovation. With a strong engineering and technology background, he drives the development of cutting-edge solutions to meet evolving customer needs. His leadership has been key to Monolith AI's growth and success.

10:40am – Hall 3



Michele Paselli
VP, Product
Monolith AI



Topic: Heavy Goods Vehicles – Challenges for Electrification

Michael has worked in technology development for the past thirty years, developing electric vehicles, charging systems and renewable energy products for the past fifteen. A serial entrepreneur, Michael has worked at C-level positions in several companies and has successfully negotiated the sale of two businesses. Initially working as Chief Technology Officer, Michael accepted the role of CEO in the summer of 2020. The company has since raised over £1M in pre-revenue grant funding during his tenure, developed new patents, and attracted two cornerstone investors.

10:45am – Hall 2



Michael Boxwell
Group CEO
Voltempo



Topic: Embracing Uncertainty in Power-to-X: Addressing Challenges with Model-Based Systems Engineering

Nikola has worked at Zuken since 1988 in the area of PCBs for various electronic product designs. His involvement in many EU and UK funded projects has helped to introduce new design processes, design practices and help to evolve Zuken's EDA solutions. With technical expertise across multiple engineering disciplines addressing the tough technical challenges and utilizing Model-Based System Engineering within the systems engineering field, he both collaborates and consults on various engineering tasks working with partners and customers alike. Currently, Nikola contributes to the strategic direction of electronic product design solutions within Zuken and works closely with customers' engineering communities.

11:05am – Hall 3



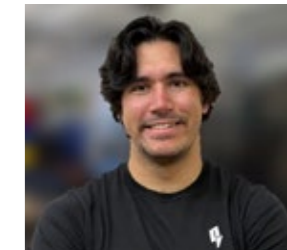
Nikola Kotic
Solution Architect
Zuken



Topic: What happened in 2024? Volta Foundation Battery report key takeaways

Aaron Wade is the Business Development Lead for Gaussion, enhancing battery performance through magneto-enhancement, and a Project Director for the Volta Foundation. He was previously the Head of Battery Costs at CRU, helping clients understand the ever changing world of battery cost and technology. Aaron has a PhD from University College London, researching the degradation of battery cathodes using X-ray imaging.

11:10am – Hall 3



Aaron Wade
Project Director
Volta Foundation



Topic: Biotechnological Recycling: Where Bacteria Meets Lithium Batteries

As Head of Communications and Marketing at the SER Group, Max is helping drive change within the battery recycling industry, helping deliver on global goals for environmental sustainability.

Starting as a marketing apprentice just over 8 years ago, Max quickly rose through the ranks, helping the SER Group achieve its strategic goals along the way. At present day Max is now responsible for the marketing and communications strategy for the entire SER Group including that of Cellcycle's.

With a strong focus on transparency and thought leadership Max aims to help shine a light on what it means to be a sustainable battery recycling company and the new innovations that are coming out of the UK's battery sector. Max's passion extends beyond the confines of his professional role, as he harbours a deep passion for sustainability and environmental conservation. This passion has played a pivotal role in steering Cellcycle to the forefront of lithium battery recycling in the UK.

11:30am – Hall 3



Max Nagle
Head of Communications
Cell Cycle



VAUXHALL

Topic: Vauxhall Movano Hydrogen Programme

Three decades of experience in Advanced Vehicle Engineering, and more recently in Commercial Vehicle Product Management. I have worked at Vauxhall now Stellantis for 15 years and have been involved in bringing the Fuel Cell vehicles to market in UK for three years. The programme is now finally physical with vehicles on the ground for fleet trials, and order banks opening soon for production vehicles. FCEV builds upon the continuing success of Vauxhall and Stellantis in the LCV BEV market and will be a much-needed compliment for fleets struggling with the right zero emission solution to suit their operational needs.

11:35am – Hall 2



Brad Miller
Head of LCV Product & Pricing
Vauxhall



Topic: How theion's crystal battery can power the energy transition

Dr Ulrich Ehmes has a PHD in Electronics from the Technical University Darmstadt in Germany. He spent 14 years with Leica Camera AG where he was responsible for the main production site of high-tech cameras, lenses and binoculars in Portugal. Following that, he worked four years as CEO/COO of Lithium-Ion cell manufacturer Leclanché SA in Switzerland. In addition, Ehmes has over a decade of experience as a consultant focused on international battery projects. Since 2022 Ehmes is serving as the CEO of theion, a Lithium Sulfur battery start-up in Berlin, Germany.

11:55am – Hall 3



Dr Ulrich Ehmes
CEO
Theion



Topic: Delivering EV propulsion systems in under 6 months: How tight integration and attention to detail of Vehicle, HV and Battery designs to enable rapid yet safe ground up design and deployment

With a background in the design and development of leading-edge technologies in F1, Formula E and the automotive industry, Angus has an extensive and in-depth understanding of all areas of active vehicle, ICE and EV powertrain systems. In 2013 Angus delivered a world land speed record holding electric race car, the Drayson B12/69 EV, and subsequently founded engineering consultancy Rockfort Engineering Ltd. He now heads up the engineering and commercial activities of the company supported by a strong and highly experienced engineering and administration team working on projects in the Automotive, Motorsport, Aviation and Rail sectors.

12:25pm – Hall 2



Angus Lyon
Director
Rockfort Engineering Ltd



Topic: 8 steps to managing and containing Lithium-ion battery fire risks

Matt has been in the fire industry for 25 years, having worked with extinguisher producers and testing bodies in the UK to meet relevant fire standards. As part of the Firechief Academy, he provides advice and insight into current fire regulations and updates on all products, but with a particular expertise in the risks, causes and effects of Lithium Battery fires.

12:00pm – Hall 2



Matt Humby
Senior Technical Consultant
Firechief Global



Topic: Fire Safety Concerns and Case Studies

Peter joined what is now UTAC in 2018 as the Chief Engineer for Battery. Based at UTAC's site in Millbrook UK, Peter provides expert knowledge and experience in the technical and practical aspects of battery technology. Previously he worked for Johnson Matthey Battery Systems for 6 years as Chief Electronics Technologist, prior to this he was Director - Electrical/Electronic Engineering at Ricardo a large automotive consultancy where he specialised in batteries.

12:45pm – Hall 3



Peter Miller
Chief Engineer - Battery
UTAC



Volklec is redefining battery manufacturing with a fast-to-market, low-risk approach designed to serve the automotive, aerospace, marine, and off-highway sectors. Partnering with a long-established Chinese manufacturer, Volklec enables the transfer of proven technology and expertise to accelerate UK battery production. Launched at the world-class UK Battery Industrialisation Centre, Volklec's advanced solutions underscore its commitment to innovation. Aligned with the UK Government's net-zero transition and decarbonisation goals, Volklec is delivering cutting-edge battery technology to power next-generation mobility and specialist applications. Volklec powers the innovators shaping the future of mobility and energy.

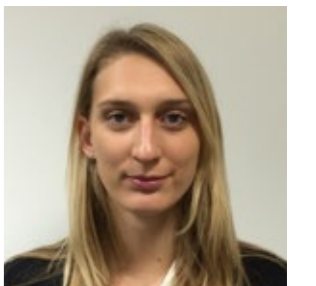
12:20pm – Hall 3



Topic: Modelling & Simulation for the Hydrogen Industry

Caroline studied theoretical physics at University College London before completing a PhD at the University of Oxford. Caroline is COMSOL UK's Sales Manager and has been working closely with a variety of industries over the last 10 years including hydrogen, batteries, automotive and renewables.

13:10pm – Hall 3



Caroline Harfield
UK Sales Manager
COMSOL



Topic: Charging Beyond the Grid

Phil Clarke has spent his career helping global businesses to harness disruption. For over 20 years he has worked at the forefront of the energy system – across emobility, connected home, smart grids and clean generation and has a strong track record delivering new and disruptive retail products and industrial ventures. He now focuses on New Mobility - and specifically charging technologies that accelerate the adoption of commercial electric vehicles. His business TUAL Pro Charging deploys battery-integrated high power chargers to electrify grid-constrained depots, dealerships and destinations. His clients and partners have included government agencies, energy retailers, system operators and tech firms.

CARPMAELS & RANSFORD

Topic: Intellectual Property for Battery Innovation: Dos and Don'ts

Russell is a patent attorney with particular expertise in energy, including lithium-ion batteries. He is responsible for drafting and managing global patent portfolios in this field as well as advising on freedom-to-operate. He works for firms big and small, from established industry players to guiding start-ups from their first few patent applications through to significant valuations. Chloe is an experienced commercial and IP lawyer focussed on agreements in which IP is either the principal motivator or a significant commercial concern. She is a trusted advisor to innovative companies in the battery and clean tech sectors.



Topic: Hydrogen Power for Remote Sites and De-Centralised Users

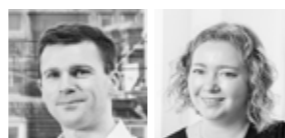
Giuseppe is a Chartered Engineer and the Project Lead Engineer at BPP-Renewables (BPP), where he is responsible for the development of project bids, execution and monitoring of multiple renewable and hydrogen related projects. Up to now, Giuseppe won project bids totalling £2.5 million for the business. His major activities involved Project Planning, Budget Cost Control and Coordination, Design and Engineering Oversight, Procurement, Supply Chain, Stakeholder and Risk Management. Established relationships with major equipment suppliers and international companies across Europe, Asia, Australia, Papua New Guinea and Africa.

13:15pm – Hall 2



Philip Clarke
CEO Tual Pro
Charging
TUAL

13:35pm – Hall 3



**Russell Woolley and
Chloe Taylor**
Senior Associates
Carpmaels & Ransford

13:40pm – Hall 2



Giuseppe Sercia
Senior Engineer
BPP Renewables



Topic: Solid State Batteries – A progress Update

John Tinson joined Ilika in 2019 as VP Sales, supporting Ilika's sales directors in the US, China, Japan and Europe. John has a degree in Physics from Birmingham University and has since focussed his career on early-stage UK technology companies in sectors such as opto-electronics, cabling solutions, industrial lasers and semiconductor design.



Topic: Manganese – The Safest Bet in Battery Metals

Andrew P. Zemek is the founder of and a Principal Market Analyst at Marketeye.org, a UK market research consultancy specialising in the mining and processing side of the battery materials supply chain. He is also a Vice-Chairman of the High-Purity Manganese Committee of the International Manganese Institute in Paris. Coming from a mining background, for the past six years, he has been analysing the manganese-in-batteries market for a New York-based CPM Group and, more recently, Marketeye.org. He has an MA in Economics and International Trade and lives in London.



Topic: From Chemistry to Commercialisation: From scale up of R&D to the in-field use of XNO® anode materials in cell and pack

Dr Phil Johns has 14 years of experience in the field of battery and energy storage technology, with a particular focus on lithium and lithium-ion batteries. Phil is currently Head of Cell development at Echion Technologies, coordinating efforts to maximise the advantages of Echion's novel niobium based anode materials across a variety of cells, batteries and customer applications. Prior to working at Echion Phil specialised in battery and energy storage failure analysis, including investigation of battery failures, root cause analysis and failure recreations. Phil began his career in energy storage research, developing safer and smarter battery systems across a portfolio of novel energy technologies.

14:00pm – Hall 3



John Tinson
VP Sales & Marketing
Ilika Technologies Ltd

14:05pm – Hall 2



Andrew Zemek
Principal Market
Analyst
Marketeye.org

14:25pm – Hall 3



Phillip Johns
Head of Cell
Development
Echion Technologies

Innovate UK

Topic: Mapping the UK Battery Industry Across Sectors

Diogo is Innovation Lead for the Faraday Battery Challenge, a £610 million programme supporting the UK's battery ecosystem. In this role, he leads the business investment stream, working to scale new innovations that address both UK and global supply chain needs. Diogo holds a PhD in electrochemistry and brings more than 10 years of experience in developing cutting-edge battery technologies, including Li-ion cathodes, Li-S, and beyond Li chemistries.

14:30pm – Hall 2



Dr Diogo Vieira Carvalho
Innovation lead
Innovate UK



Topic: Paving the Way for Hydrogen: The UK's Vision for a Low-Carbon Energy Future

Dr. Emma Guthrie is CEO of the Hydrogen Energy Association (HEA), representing over 100 members across the UK hydrogen sector. The HEA advocates for hydrogen in clean growth, energy resilience, and net zero. A distinguished leader, Dr. Guthrie has extensive experience in hydrogen technologies and infrastructure. She spent 15 years at Air Products, including as UK Business Development Manager for Hydrogen Energy, leading fuel cell vehicle deployment and multi-stakeholder projects. Previously, she held commercial roles for nine years at IMCD Group. Her expertise drives HEA's mission to support the hydrogen value chain and accelerate industry progress.

14:55pm – Hall 3



Dr Emma Guthrie
CEO
Hydrogen Energy Association



Topic: Multi technique approach for the analysis of battery materials

I am a geologist by training. I studied in the National and Kapodistrian University of Athens (NKUA) and in Trinity College Dublin (TCD). The study of minerals and nature have always been intriguing to me, initially emphasising on metals (gold and manganese occurrence), later expanding to rock texture analysis. Microanalytical approaches, especially scanning electron microscopy (SEM) coupled with energy dispersive spectroscopy (EDS) and electron backscatter diffraction (EBSD) have opened for me new doors in the observation and quantification of minerals and rocks properties. I joined Oxford Instruments in 2020 as a Segment Marketing Scientist, focusing on battery materials characterisation.

14:55pm – Hall 2



Alexandra Stavropoulou
Product Scientist
Oxford Instruments

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Topic: Safe hydrogen projects by design — end to end compliance and holistic asset management.

Stephen J. McPhail, Mechanical Engineer and PhD in Fluid Dynamics, after 15 years in research and development and project management focusing on high-temperature fuel cells and electrolysers, he is now Business Development manager at Kiwa, a global testing, inspection and certification (TIC) company where he coordinates the corporate strategy for hydrogen-related services. Chair of the Italian National Committee for Fuel cell technologies (TC105) for the International Electrotechnical Commission (IEC).

9:30am – Hall 2



Stephen J. McPhail
International Business
Development Manager
Hydrogen
KIWA



Topic: Combining Simulation and Testing during Battery Pack Development

“Peter joined what is now UTAC in 2018 as the Chief Engineer for Battery. Based at UTAC’s site in Millbrook UK, Peter provides expert knowledge and experience in the technical and practical aspects of battery technology. Previously he worked for Johnson Matthey Battery Systems for 6 years as Chief Electronics Technologist, prior to this he was Director - Electrical/ Electronic Engineering at Ricardo a large automotive consultancy where he specialised in batteries.

9:50am – Hall 3



Peter Miller
Chief Engineer - Battery
UTAC



Topic: Pressure Mapping Testing to Improve Battery Performance and Safety

Shak completed his education at the University of Manchester, with a BEng (Hons) degree in Electrical & Electronic Engineering. After graduating, he acquired significant expertise in testing gas emission sensors. Upon joining Techni Measure, Shak embarked on his career as an Application Engineer in sensor technologies, working in the research and development as well as test and measurement fields. Over time, he has advanced into a managerial role, demonstrating his dedication and proficiency in the field of industrial metrology.

9:55am – Hall 2



Shak Jamil
Sales Manager
TECHNI MEASURE



Topic: Automating Hydrogen – Centralised & Decentralised Automation for Electrolysers

With over 20 years of experience in the engineering and process equipment sector, I specialize in process valves, automation, and control. As Festo’s Hydrogen Business Driver for the UK and Ireland, I lead efforts to expand our presence in the hydrogen market. I deliver customer-centric solutions providing Festo’s cutting-edge automation technology, ensuring efficient, reliable, and scalable hydrogen production. Passionate about sustainable technologies, I am committed to advancing hydrogen solutions and fostering industry growth through innovation and collaboration. I look forward to meeting you at the Hydrogen Tech Expo to explore new opportunities and drive the future of hydrogen together.

10:15am – Hall 3



Martin Rees
Hydrogen Business
Driver UK & Ireland
Festo



Topic: The Standard in Clear: Colour Quality Measurement for Batteries

Matt Russell is a colour control expert with over 25 years’ experience in solving global measurement challenges. A Chemistry graduate from the University of Manchester, he has worked in technical, commercial, and managerial roles, specialising in material analysis and quality control. Since 2007, with the Lovibond Group, he has advanced precision colour measurement technologies for critical applications, including EV battery manufacturing. Matt is a strong advocate for international standards, such as ASTM, ensuring reliable and consistent quality control processes where material purity and performance are essential.

10:20am – Hall 2



Matthew Russell
Product Manager-
Colour
Lovibond



Topic: Batteries as a Service - BaaS

A former telecommunications engineer turned entrepreneur, Stephen North has over 30 years of business leadership experience. He has spearheaded multiple first-to-market innovations, secured an Innovate UK Smart Grant, and successfully transitioned diverse technologies from concept to commercialisation. North has enjoyed multiple successes in Personal Development and Health and Leisure industries as well as IT and Technology companies. He secured Hyonic’s patent filing for battery technology (UK Patent Pending No. 2311824.3) and is pioneering a web-based BaaS platform, positioning Hyonic as a game-changing energy storage solution with pre-manufactured units, after-market upgrades and recurring revenue opportunities.

10:40am – Hall 3



Stephen North
Managing Director
Hyonic



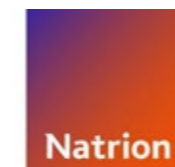
Topic: Batteries from trees – European bio-based anode material

Otto Kivi is working as a Senior Business Development Specialist at Stora Enso, focusing on company's bio-based anode material Lignode. He has over 20 years of experience in international sales and business development of different bio-based solutions. Stora Enso is a leading Global biomaterial company from Scandinavia, operations in 50 countries and turnover around 9 billion EUR.

10:45am – Hall 2



Otto Kivi
Business Development
Manager
Stora Enso



Topic: Natrion's LISIC Smart Separators: Increased Energy Density, Decreased Costs

John is the chief operating officer at Natrion. As a senior executive, he is responsible for managing strategic, operational, Marketing, and Customer Relationship activities. John has worked in Lithium-ion Cell manufacturing and design since 2002. His background and commercial experience are across a diverse range of sectors; he provides a particular focus on technology and automotive markets. John has held board positions in public and private companies. Joining New York-based Natrion in 2024. He is a Fellow of The Royal Society for the Encouragement of Arts, Manufactures and Commerce, and interestingly lives on the most easterly inhabited Island in the UK.

11:30am – Hall 3



John Fox
COO
Natrion



Topic: Navigating Patents for Battery and Fuel Cell Technologies

Michael is a UK and European patent attorney at Swindell & Pearson. He advises on patents across the chemical, energy, and materials fields. He has a particular interest in battery technology. Prior to joining Swindell & Pearson, he graduated with a master's degree in chemistry from Durham University and worked in R&D at a multinational energy company, researching catalysis, gas-to-liquid technology, and nanomaterials. Michael now handles international patent portfolios for start-ups, SMEs, and multinationals. He has also helped many companies to secure UK patents, which can be used to obtain significant tax relief through the Patent Box.

11:05am – Hall 3



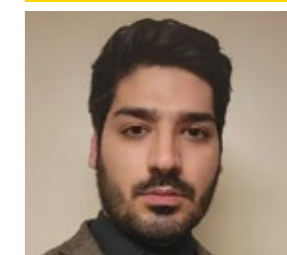
Michael Loadman
UK and European
Patent Attorney
Swindell & Pearson Ltd.



Topic: Transforming high-performance LFP and LMFP materials

Behnam Hormozi is the founder and CEO of Integrals Power, a UK-based company specialising in next-generation battery materials. Prior to Integrals Power, he contributed to battery development projects for Cummins EV buses, trucks, and the McLaren P1. Under his leadership, Integrals Power has developed innovative Lithium Iron Phosphate (LFP) and Lithium Manganese Iron Phosphate (LMFP) battery cathode materials, enhancing energy density and performance for EVs. In 2023, Hormozi was recognised in Forbes' 30 Under 30 in Europe for his significant contributions to manufacturing and industry. He has also been instrumental in establishing a UK pilot plant to produce battery materials, aiming to strengthen local supply chains and reduce reliance on overseas sources.

11:35am – Hall 2



Behnam Hormozi
Founder and CEO
Integrals Power



Topic: Rethinking Lead-Acid Batteries: A Low-Cost method of Green Hydrogen production

Dr. Lizzie Ashton is a Senior Research Associate at Loughborough University, specialising in green hydrogen production. With a PhD in hydrogen storage materials and a background in materials chemistry, she leads the development of battery electrolyser cells using lead-acid battery technology, driving innovative, low-cost energy solutions.

11:10am – Hall 2



Dr. Lizzie Ashton
Senior Research Associate
Loughborough University



Topic: Battery pack heating films enabled by Printed Electronics

Aad van der Spuij is the Business Development Manager for Henkel Adhesive Technologies' Printed Electronics technology platform. He is responsible for the development of established and newly evolving markets in Europe. Aad joined Henkel Adhesive Technologies in 2012 as a Key Account Manager Electronics Adhesives in the Benelux, and held Key Account Management roles in the field of electronics and automotive electronics, engaged with conductive inks and coatings since then. Previously he worked as Strategic Account Manager, Automotive Electronics a Key Account Manager Electronics/Product Manager Silicones at Bodo Möller Chemie GmbH. Aad started his career with various solution selling management roles within the polymer, silicones and electronics industry.

11:55am – Hall 3



Aad VanDerSpuij
Business Development
Manager EIMEA
Henkel AG & Co. KGaA



measure. analyze. innovate.

Topic: Novel Fiber Based Sensors Battery Monitoring under Harsh Conditions

Dr. Blanca Ruiz holds degrees in Cybernetic Electronics and Applied Photonics. She earned her PhD from the Swiss Federal Institute of Technology in Zurich and an EMBA from EPFL. With 25 years of experience in the photonics industry, her expertise spans THz spectroscopy, non-linear optics, and optical telecommunications. Currently, she leads the optical fiber sensing team at Kistler.

12:00pm – Hall 2



Dr. Blanca Ruiz
Head of Business Development Optical Fiber Sensors
 Kistler Instruments Ltd.



Topic: Lithium Battery Recycling - an update

Alan is a 4th term DGSA serving Cawleys for the past 21 years specialising in the waste management of all Hazardous Wastes and then dedicating his expertise and knowledge to developing one of the UK's first recycling lines for Lithium Batteries. Having served over 30 years in the waste industry Alan has worked for Hales Waste Control and Biffa in Management and Senior sales roles previously.

13:15pm – Hall 2



Alan D Colledge DGSA
Technical Director-Lithium
 Lithium Battery Recycling Solutions



Topic: Advanced sensing techniques in energy storage

Joe Holdsworth is the founder and CEO of Metis Engineering. Under his leadership, the company has provided bespoke electronics and software design services to global industry-leading energy storage organisations. Joe has been instrumental in developing innovative solutions, such as the battery safety sensor, Cell Guard, which has been recognised for its ability to monitor the environmental conditions in a battery pack. He has also led the launch of an advanced hydrogen leak detection sensor, addressing critical safety concerns in hydrogen storage and battery management systems.

12:25pm – Hall 2



Joe Holdsworth
Founder and CEO
 Metis Engineering



Topic: Characterisation of coatings on electrodes for lithium-ion batteries and fuel cells

Arnold Uhl studied chemistry in Berlin, being particularly interested in organic photochemistry. After the diploma he worked for few years in the field of semiconductor research. He received his PhD in chemistry in 2001. From 1999-2004 he worked in a company for industrial process control instruments. In 2004 he joined the marketing and sales department of LUM GmbH and was appointed Sales & Marketing Manager in 2009. The comprehensive understanding of complex industrial formulations and processes in an easy way, by using analytical instruments, inspires him during his daily work with customers around the world.

13:35pm – Hall 3



Dr. Arnold Uhl
Sales & Marketing Manager
 LUM GmbH



Topic: Predicting battery performance from the electrode slurry, before making the cell

Curtis Gallagher is a Sales Representative at TA Instruments, the world leader in manufacturing industry-leading systems for thermal analysis, rheology, microcalorimetry and mechanical analysis. With a Masters in Biochemistry and years of wet lab experience for a CRO performing DMPK studies, Curtis now utilizes his technical background in a commercial setting Curtis' main goal is to support labs on appropriate instrumentation to help bring high quality products to market. Working in various roles at Waters corporation for the past 3 years has allowed Curtis to gain an excellent understanding of the wider Waters portfolio, including HPLC-MS and Chemistry consumables.

13:10pm – Hall 3



Curtis Gallagher
Sales Representative
 TA Instruments - Waters



Topic: Life Cycle Assessment of Hydrogen Production Pathways

Costanza Tinari, a Sustainability Analyst at Minviro, a UK-based life cycle assessment (LCA) company that works within the raw materials and low-carbon technology sectors, has a background in civil and environmental engineering. Specialising in the energy transition, she completed a Masters in Chemical Engineering at University College London. At Minviro, Costanza leads a research project focusing on the environmental impact of various hydrogen production pathways. She is also engaged in a semiconductor grant, investigating the sustainability of the UK's semiconductor supply chain. Additionally, she is working on a project that focuses on developing certifications for batteries and low-carbon technologies, aimed at enhancing traceability within the sector.

13:35pm – Hall 2



Costanza Tinari
Sustainability Analyst
 Minviro



Topic: Pioneering the UK Hydrogen Opportunity: Who stepped up and what next?

Dr Michaela Kendall is CEO of Adelan, one of the world's first fuel cell businesses. Adelan is commercialising a fuel cell technology she co-invented. Dr Kendall managed industrial R&D programmes at Adelan funded by the US, EU and Chinese governments. She is an environmental scientist and technologist, building a 30 year career which addressed the emissions, security and cost of energy. Faculty positions in America, Asia and Europe, enabled Dr Kendall to work with powerful strategic policy networks, international governments and businesses including the US EPA, the UN, NYU and UNIDO Hydrogen Centre, Turkey.

14:00pm – Hall 3



Dr Michaela Kendall
CEO Adelan and
National UK Hydrogen
Champion for Mission
Innovation (UK
Government)
 Adelan



Topic: Trust but Verify: Beyond battery cycling

Joe comes from an aviation background, spending years managing a gas turbine engine test facility, releasing engines into service.

An interest in green mobility grew and he took his test engineering skills into the eVTOL industry. Firstly, at Electroflight, a record-breaking company who produced the world's fastest all electric aircraft, ACCEL. At Evolito Joe was involved in a broad scope of testing activities. He has complete qualification campaigns for a range of aviation based energy storage systems.

Joe's last role was at Bristol based Vertical Aerospace. He was involved in the battery pack development of their own aircraft, the VX4. Joe has recently joined Element Materials with a focus in developing Elements battery testing capability.

14:30pm – Hall 2



Joe Jenkins
Senior Battery Test
Engineer
 Element Materials Technology



Topic: Dielectric Coating in Electric Vehicle Battery Enclosures

Dr Nick Welton is Technical Manager at Powdertech Surface Science. He has a PhD in polymer chemistry and a recently awarded Fellowship from the Institute of Materials, Minerals and Mining (IoM3). For over 12 years Nick has been pushing the boundaries of surface treatments, within UK manufacturing sectors. His innovative work led to the creation of adhesive-free PowderBondPP, and he's the inventor on six patents. He has provided the surface finishing expertise on several research projects within the EV field – including the Advanced Propulsion Centre's ALIVE project. Simply put, he is the authority on aluminium surface finishing in the UK.

14:05pm – Hall 2



Dr Nick Welton
Technical Manager
 Powdertech Surface Science



Topic: Managing risk from the floor up — NMP resistant solutions

A passionate advocate for electric vehicles and sustainable technology. Richard has worked in the construction industry for over twenty years with fifteen years being focused on resin flooring and specialist coating technologies. He has extensive knowledge of the manufacturing sector having worked as a manufacturer and contractor so can provide the most suitable solutions for your construction project whether it be in battery manufacturing, data centres or any other high tech, clean room environment.

14:25pm – Hall 3



Richard Kay
Segment Leader -
Manufacturing and
Processing - EMEA
 Sherwin Williams





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WWW.BATTERYTECHASSOCIATION.ORG



Accelonix
www.accelonix.co.uk

Hall 3 C.47

Specialist sales and support for microelectronics, power electronics and electronics manufacturing industry. Part of a group operating across Western Europe, Accelonix offers a broad range of products ranging from wire bonding and ultrasonic welding to dispensing and X-ray inspection. In addition to equipment sales, we offer application support, wire bonding and X-ray services.

Our focus for this show will be the Comet Yxlon X-Ray Inspection technology, Hesse Fully Automatic Ultrasonic Wire Bonding and Smart Welding platforms, and the Scheugenpflug dispensing technology for use in Power Electronics and Battery Pack manufacturing processes.



Adaptive Instruments Ltd
www.adaptive-instruments.com

Hall 2 B.30

Product stability, sizing and counting is a vital step in the quality control and assurance of almost any manufactured item. We supply high-quality machines that use various particle stability, counting and sizing techniques for the analysis of aerosols, liquids and slurries. Our homogenisers offer various functionalities, enabling research and development departments to conduct efficient and reliable homogenisation processes in a range of industries.



Advanced Propulsion Centre
www.apcuk.co.uk

Hall 2 B.40

The Advanced Propulsion Centre UK (APC) collaborates with UK government, the automotive industry and academia to accelerate the industrialisation of technologies, supporting the transition to deliver net-zero emission vehicles.

Since its foundation in 2013, APC has funded 264 low-carbon projects involving 492 partners, working with companies of all sizes, and will have helped to create or safeguard over 58,000 jobs in the UK. The technologies developed in these projects are projected to save over 410 million tonnes of CO₂.

For more information go to apcuk.co.uk or follow us @theapcuk on X and Advanced Propulsion Centre UK on LinkedIn.



Altertek Ltd
www.altertek.com

Hall 2 B.36

Altertek Ltd specialise in developing Lithium batteries and Battery Management Systems (BMS) for niche applications in a variety of sectors. They work with high voltage applications up to 1000VDC right down to single cell applications.

Altertek have developed HV systems for submarines and deepwater subsea applications, high altitude drones, repair and servicing of EV and hybrid vehicle ESS and power systems.

Altertek have developed a range of highly configurable – Battery Management Systems all of which are designed, manufactured and fully supported in the UK.

Visit <https://www.altertek.com/products/li-ion-battery-management-systems/> for more information.



Alvatek Limited
www.alvatek.co.uk

Hall 3 C.24

Headquartered in the UK, we provide the systems, tools, materials and services needed for the design, build, test and development of batteries, fuel cells, electrolysers and hybrid technologies. We also offer a range of solutions, test and measurement equipment for research laboratories, manufacturers and field projects.

Our broad product range and in-house expertise support our consultative approach, working closely with our customers to define the best solutions for their needs and, critically, to provide ongoing support services.

We represent leaders in the field including BaSyTec, EL-Cell, N4L, Safion, Cognition Energy, Nanobase and FuelCellMaterials.



Arbin Instruments
www.arbin.com

Hall 3 C.42

Arbin is a leading global supplier of multi-channelled potentiostat/galvanostat testing systems for every energy storage device application. Arbin is headquartered in the US and supports our European customers from our growing sales and support office in Munich, Germany.

Arbin provides high-precision, scalable test equipment for battery cells, modules, and packs for both industry and research.

We cover applications ranging from nano-amps up to thousands of amps, and our comprehensive testing systems include EIS, temperature chambers, and connection systems, along with powerful software solutions to manage up to thousands of channels.

Our success is due to the advanced product features we provide and have often pioneered, the knowledge and service provided by our team, and the extraordinary goals established by management that place a strong emphasis on R&D.

Exhibitors

Battery Tech
Expo Exhibitors

Hydrogen Tech
Expo Exhibitors



Asecos
www.asecos.com

Hall 3 C.57

asecos Ltd, are delighted to be showcasing our new Generation 2 range of ION-Line lithium battery storage / charging cabinets.

Manufactured and certified to EN14470-1 and EN1363-1, these cabinets offer 90-minutes fire protection from the outside-in and inside-out.

Our team of experts will be on hand to advise and guide you through this exciting storage development.

With 30 years' experience as the leading manufacturer of highly-insulated hazardous material storage cabinets, asecos has been actively involved in international associations and working groups to develop innovative and sustainable products to meet the ever-changing challenges of storing hazardous materials.



BINDER
www.binder-world.com/uk-en

Hall 2 B.29

As a family-owned company, BINDER is the world's largest specialist in simulation chambers for scientific and industrial laboratories. Sophisticated cutting-edge technologies, pioneering innovations and absolute precision are our top priorities.

Our focus is on the perfect simulation of biological, chemical and physical environmental conditions for a wide range of industries. Our promise is "Best conditions for your success" with superior products, the best service packages and professional advice.

Nearly all respected companies and research facilities rely on BINDER simulation chambers, whether they need them for cell or tissue cultivation, long-term storage, product testing, or material testing.



Bosch Rexroth Limited
www.boschrexroth.co.uk

Hall 3 C.54

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement of machines and systems of any size. The company bundles global application experience in the market segments of Mobile and Industrial Applications as well as Factory Automation. With its intelligent components, customised system solutions, engineering and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things



Bry-Air
www.bryair.com

Hall 3 C.04

Bry-Air, the leader in dehumidification...worldwide, is a global solution provider for dehumidification and drying, gas phase filtration, plastics drying, and energysmart cooling using waste heat, with subsidiaries in China, Malaysia, Brazil, Nigeria and Switzerland, and an associate plant in the USA. Bry-Air (Asia) has been at the forefront of dehumidification and industrial air treatment technology with product range that also includes:

- Dry Room critical for Lithium Battery production
- Dehumidifiers for humidity control and moisture removal
- Gas Phase Filtration Systems for removal of corrosive and odorous gases
- Plastic Auxiliaries for Drying and Conveying
- Adsorption Chiller for Energysmart Cooling using Waste Heat
- High Temperature Wheel for Waste Heat Recovery



Caltest Instruments Ltd
www.caltest.co.uk

Hall 3 C.43

Caltest Instruments offer high level technical/applications support, an extensive range of sale, demo and rental equipment and a comprehensive service/UKAS calibration department.

Caltest proudly represent a number of industry leading manufacturers.



Cambridge Sensotec – GOLD SPONSOR
www.cambridge-sensotec.co.uk

Hall 3 C.40



Celebrating 25 years of UK manufacturing, Cambridge Sensotec based in the St Ives, Cambridgeshire, has become a global leader in advanced gas analysis equipment. Focusing on providing precise gas measurement solutions for sectors such as research and development, industrial, scientific and academic institutions. Since 2008 Cambridge Sensotec began developing a range of analysers specifically for the hydrogen market. With a proven track record of delivering over 20,000 tailored solutions to customers over 85 countries, Cambridge Sensotec proudly leads the way in gas analysis innovation, trusted by industries worldwide.



Cambustion
www.cambustion.com

Hall 3 C.28

Cambustion provides powertrain engineering services and emission measurement products, with a particular focus on the automotive industry.

Cambustion's Products group produces ultra-fast response exhaust gas analyzers allow for the measurement of a range of gases during engine transient operation including from within a single exhaust stroke. They can be deployed for detecting the origin of lubricant burn, EGR control and with the possibility in future of fast H2O measurement.

Cambustion powertrain engineering services group provides powertrain testing services and emissions control consultancy from its base in Cambridge.

CamMotive is Cambustion's electric powertrain group, working on all areas of electric powertrain testing, including hydrogen fuel cells.



Careys
www.careys.co

Hall 2 B.01

Careys is a UK based sub-contractor that specializes in civil engineering works across various sectors. Founded in 1969 by three brothers from Tipperary, Ireland – John, Tom, and Pat Carey. Careys remains a family-owned construction business today and uses their 56 years of experience to provide high quality civil engineering services.

In the last few years Careys has expanded their considerable experience into the Electric Vehicle sector specifically EV charging installation. Careys' most notable EV project is the nationwide installation of 'Smart Charge' EV for Sainsburys.



Cell Cycle
www.cellcycle.co.uk

Hall 3 C.19

Cellcycle is one of the UK's leaders in advanced battery recycling, providing clients with a compliant, sustainable and complete solution.

As one of only a few companies in the country approved for both battery treatment and exportation we are fully equipped to handle and treat all battery types from portable to industrial and automotive.

Utilising state-of-the art technology we are able to handle a range of different battery chemistry including Lithium-ion, nickel-metal hydride, nickel cadmium and lead-acid.

In partnership with industry leaders and academia we are constantly developing new processes and technology to produce the most sustainable battery recycling solutions.



Hall 3 C.48

Cell Spot Solutions
www.cell-spot.co.uk

Cell Spot Solutions specialise in micro joining technology.

We work with some of the world's leading technology brands providing expertise and equipment in:

- Resistance welding
- Micro-tig / Pulse arc
- Laser welding
- Laser marking
- Hot bar bonding

From new product development through to industrialisation, we can support you with equipment for your micro joining project.

At Cell Spot we pride ourselves on providing unparalleled service to our customers; we always go the extra mile. We understand the importance of our customers' projects and we are here to help throughout the entire process.

From new product development, into industrialisation and right through the lifespan of the equipment we provide – our customers can rely on Cell Spot.



Hall 2 B.22

CEM Microwave Technology Ltd
www.cem.com

CEM provide battery production solutions to the global market.

Efficient digestion for trace metals analysis.
Mined Metals & Ores | Cathode & Anode Materials | Electrolyte Solutions Separators/ Membranes | Recycled Materials

Rapid solid-state synthesis and refinement.
Solid-state Synthesis | Calcination | Sintering | Annealing

Robust solids analyzers with precise temperature control
Solid-state Synthesis | Calcination | Sintering | Annealing
Electrode Binders | Dried Slurry Coatings | Anode & Cathode Slurries | Conductive Additives



Hall 2 B.33

CEMO
www.cemo-group.com

CEMO GmbH is a German manufacturer of storage and transport devices for hazardous materials. CEMO has been pioneering innovative solutions for over 65 years, and remains a successful family-owned company.

With the growing awareness of the dangers of lithium batteries, CEMO has created a range of solutions for the storing, charging, transport and quarantining of lithium batteries. Our flagship product is the LockEX range of cabinets for safely storing and charging lithium batteries. Not only are our cabinets fireproof, they are also explosion proof. Our testing has shown that damage to cabinets from explosions is far more dangerous than the risk of fire itself. Our design-registered LockEX technology means that in the event of lithium battery explosions, your lithium battery Cabinet remains intact and therefore fireproof.



CN Technical Services Ltd
www.cntech.co.uk

Established in 2009, CN Tech specialises in all areas of surface analysis and materials testing for scientific and industrial applications. Providing sales and support across an expansive and evolving product portfolio, which includes instrumentation for surface measurement, material and mechanical testing, and electron microscopy. CN Tech also offers environmental isolation solutions, and a range of laboratory supplies and consumables.

Hall 2 B.15



Coax Valves
www.co-ax.com

Muller Coax are the leading authority of coaxial valve technology for valving solutions for varied and arduous applications. With valves for pressures from vacuum to 1000 bar, Atex rated and SIL3 approved let us review your application to prove a reliable solution for your need.

Hall 2 B.20



COMSOL
www.comsol.com

COMSOL is a global provider of simulation software for product design and research to technical enterprises, research labs and universities. Its COMSOL Multiphysics® product is an integrated software environment for creating physics-based models and simulation applications. A particular strength is its ability to account for coupled or multiphysics phenomena.

Modelling batteries requires different levels of detail depending on the purpose of the simulations, COMSOL has the ability to model everything from the detailed structures in the battery's porous electrode to the battery pack scale including thermal management systems.

Get in touch for a live demonstration or to find out more.

Hall 3 C.21



Danecca Ltd
www.danecca.com

Danecca builds and tests battery packs from their facility in Silverstone UK. With in-house laser welding, wire bonding and battery pack testing, we can support your battery development project at whatever stage. Our team are available to support R&D and provide laser welding services for motor and inverter manufacturing.

Hall 2 B.39



Diotec Semiconductor AG
www.diotec.com

Diotec Semiconductor AG, with its headquarters in Germany, belongs to the technological leaders for the design and production of semiconductor components like Diodes, Rectifiers, Schottkys, Zeners, TVS, BJTs and MOSFETs. The Diotec brand offers more than 6000 different products with production facilities in Germany, Slovenia, China and India. Diotec's products are used from customers in the electronics field throughout the world.

Our core strength is the extensive know-how from wafer production via chip manufacturing to product assembly and test. With offices and support on almost every continent, Diotec can provide worldwide service for the industrial, consumer, energy, lighting and automotive markets.

Hall 3 C.20



Ebble Group – Tantec
tantec-uk.com

Plasma and Corona treatment technology; equipment available to buy, also available as a service.

Used for preparing materials for processing. Improving adhesion, cleaning surfaces and ensuring consistent material surface quality and finish.

Implemented in cleaning foils, preparing terminals for improved wire bonding, treating pouches and cells for adhesion improvement, treating housings and cooling for sealing and predictable adhesion.

Preparing materials using Plasma and Corona also opens up processes and materials – use less adhesive, use greener printing inks and coatings, see consistent results with less failures.

Try today from our Worcestershire facility!

Hall 2 B.52



Element Materials Technology
www.element.com

Hall 2 B.26

A global provider of Testing, Inspection and Certification services for a diverse range of materials and products in sectors where failure in service is not an option. Recognized as an industry leader by Sustainalytics, a global leader in ESG research and rating, we have the highest rating of any major TIC player.



Emtez
www.emtez.co.uk

Hall 3 C.36

With over 35 years of experience in manufacturing solutions for the safe storage & handling of Hazardous materials, Emtez offers a specialized range of lithium-ion battery storage solutions designed to create safer environments for lithium-ion batteries while looking to mitigate risks. The product range includes fire-rated storage cabinets, containers, and temperature-controlled units, which help to ensure compliance with safety regulations or insurance requirements. Built with high-quality materials and innovative bespoke engineering, Emtez's lithium battery solutions serve industries handling physical batteries, while providing secure storage and transport options for batteries in any state.



Festo Ltd
www.festo.co.uk

Hall 3 C.13

Looking to automate your hydrogen production? Festo, a global leader in automation technology with €3.65 billion turnover and 20,600 employees, offers tailored solutions to boost efficiency across the value chain. Whether for centralized control in large-scale plants or decentralized modular systems, Festo ensures compliance with EX zone requirements and functional safety, including IEC 61508 (SIL) assessments. With 33,000 pneumatic and electric products, Festo provides both individual components and control cabinet solutions. Committed to sustainability, innovation, and carbon neutrality (PAS 2060 certified), Festo GB helps reduce CO2 footprints while delivering high-performance automation technology.



Firechief® Global
www.firechiefglobal.com

Hall 2 B.19

While Lithium-ion batteries are extremely effective for storing energy, they can be a significant fire risk. These thermal events are the result of a complex chemical reaction, which are unlike a traditional fire, so a risk-specific strategy to mitigate the impact is essential. Following extensive R&D and product development over the past 3 years, Firechief® Global now leads the market in offering a unique, multi-pronged approach, with a range of products that support its proprietary 'Firechief® 8-Step Battery Safety Halo™'. The company will be showcasing its new Lithium-ion Battery Fire Blanket range specifically for EVs and other LiB applications.



FirePro
www.firepro.com

Hall 3 C.37

FirePro fire suppression technology is the chosen partner to no fewer than eight major lithium-ion battery manufacturers worldwide. FirePro is not a pressurised gas or water, there are no pipes or cylinders. FirePro is exclusively backed by an insurance recognised, Loss Prevention Council installer competency scheme ref LPS 1204 3.2.



Fisair UK Ltd
www.fisair.com

Hall 2 B.47

FISAIR is a specialist in Air Humidity Control focused on customer service, product quality, and continually striving to improve product design and operational efficiency.

FISAIR has the knowledge, experience, and expertise to deliver successful solutions to our customers with a proven track record of supplying ultra-low dew point dehumidification and fine control temperature and humidity within the battery technology and electronics sectors which is paramount to successful production and product quality.

FISAIR has been trading for more than 50 years internationally, building an extensive network of professionals all around the world, providing exceptional solutions to Air Humidity Control.

Exhibitors

Battery Tech
Expo Exhibitors

Hydrogen Tech
Expo Exhibitors



Harting Ltd
www.harting.com

HARTING is a leading supplier of industrial connectivity technology, manufacturing products for the transmission of data, signals and power.

We offer a range of connectivity solutions for use in the production, transportation and storage of hydrogen, including Han® Ex connectors for explosion-hazardous environments.

HARTING also manufacture charging equipment for electric vehicles, including car charging cables and e-mobility infrastructure systems. For battery storage, the Han® S has been designed for front-mounting energy storage systems and enables battery storage modules to be connected.

In addition, HARTING Customised Solutions, based at our Northampton production facility, designs and manufactures bespoke connectivity and cabling products.

Hall 2 B.31



Hidden Analytical
www.hiddenanalytical.com

Hidden Analytical have been designing and developing the highest quality quadrupole mass spectrometer-based gas analysis systems for over 40 years. We have built a reputation for delivering instruments with superior sensitivity, accuracy and reproducibility together with a first-class global service and applications support network. From dedicated triple filter UHV TPD quadrupoles to Differential Electrochemical Mass Spectrometry systems, Hidden have developed a range of analytical mass spectrometers that address the most advanced and demanding applications.

Hall 3 C.22



HORIBA
www.horiba.com

At HORIBA, we are shaping the future of zero-emission mobility through analysis and development of cutting-edge hydrogen, battery, and fuel cell technologies. Our advanced testing and validation solutions empower the industry to accelerate the development of clean, efficient, and reliable propulsion systems. From high-precision fuel cell diagnostics to next-generation battery testing and hydrogen innovations, HORIBA is enabling the transition to a sustainable transportation future.

Hall 2 B.18



HV Wooding
www.hvwooding.co.uk

Hall 3 C.58

H V Wooding are a UK based precision manufacturing company offering Wire Erosion, Laser Cutting, Presswork and Tooling, Electroplating and Assembly. We specialise in Busbars, Core packs and precision components.

Trading for over 50 years, we offer an unrivalled wealth of engineering resource, skills and experience within multiple industry sectors including Power generation, Renewable energy and Automotive.

Our comprehensive range of services encompasses everything from design assistance and proto-typing through to high volume production- all efficiently located under one roof, providing significant cost savings and administrative benefits to our valued customers.



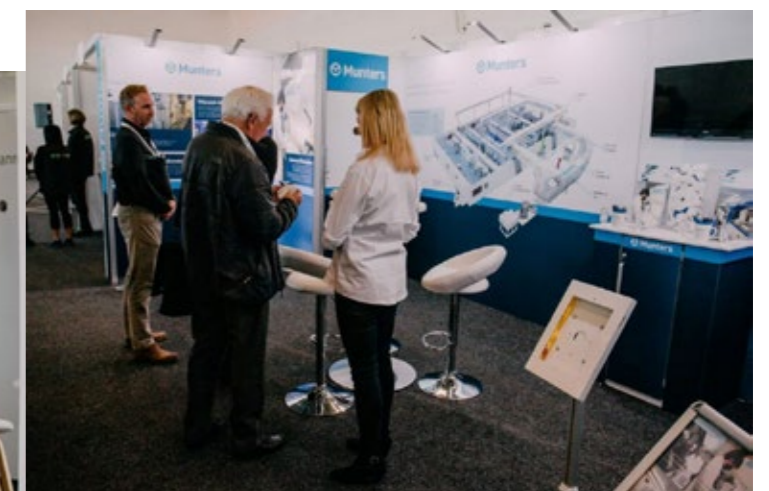
Hylomar LTD
<https://hylomar.com/en>

Hall 3 C.27

Hylomar Ltd manufactures a wide range of high-performance sealants and adhesives used by many of the leading OEMs in the world of automotive, aerospace, power generation/distribution, electronics/photronics, and general engineering.

Hylomar products are widely used and respected in the automotive, aerospace, and industrial aftermarkets with Hylomar Universal Blue and Hylomar M being the leading non-setting gasket & jointing compounds in the world.

In addition, unlike many sealant and adhesive companies, Hylomar are manufacturers and product formulators. Therefore, if commercially viable, we can develop products to specific customer requirements.



Exhibitors

Battery Tech
Expo Exhibitors

Hydrogen Tech
Expo Exhibitors



Hyonic Ltd
www.hyonic.co.uk

Hall 3 C.05

We have developed a patented additive which enhances the performance and longevity of lead-acid rechargeable batteries. The additive is compatible with all types of lead-acid battery. Independently verified tests show greatly enhanced charge / discharge performance, without any deterioration of performance after thousands of cycles.

- Optimizes performance – Batteries will always be working at their optimal level
- Charge time – the time taken to reach full capacity is significantly reduced
- Operation time between charges is significantly increased
- Costs associated with charging are significantly reduced
- Servicing requirements are significantly reduced
- The reduction in grid-energy consumption has a resultant reduction in CO2 emissions



IAAPS
www.iaaps.co.uk

Hall 2 B.17

IAAPS is a world-leading centre of excellence for research and innovation of clean, efficient and affordable zero carbon propulsion technologies, boasting 11,300 m² of R&I facilities, education resources and research cells. The £70m site has been funded by the University of Bath, the UK Government's Research England and the West of England Local Enterprise Partnership.

IAAPS' work and research specialism spans the spectrum of transport, from automotive, aerospace and maritime, to hydrogen, heavy-duty and off-highway, bringing together leading businesses, innovators and development specialists to deliver the skills and technologies needed for new generations of highly efficient, clean vehicle propulsion systems.



Inficon GmbH
www.inficon.com

Hall 3 C.39

INFICON is a leading provider of innovative instrumentation, critical sensor technologies, and Smart Manufacturing/Industry 4.0 software solutions that enhance productivity and quality of tools, processes, and complete factories. These analysis, measurement and control products are essential for gas leak detection in air conditioning/refrigeration and automotive manufacturing.

They are vital to equipment manufacturers and end-users in the complex fabrication of semiconductors and thin film coatings for optics, flat panel displays, solar cells and industrial vacuum coating applications.

Other users of our vacuum-based processes include the life sciences, research, aerospace, packaging, heat treatment, laser cutting and many other industrial processes.



Julabo
www.julabo.com

Hall 3 C.33

JULABO is one of the world's leading manufacturers of temperature control instruments for research, industry and science. For over five decades our premium products have always provided our customers with the exact temperature at the desired time.

The professional and solution-oriented JULABO team focuses on custom applications. With our comprehensive accessory program offers suitable complete solution for every customer

JULABO offers high-performance and reliable instruments for the tests under realistic conditions as well as test simulations. To ensure reproducible temperatures, manufacturers and suppliers require premium instruments supporting more than standard applications.



Keysight
www.keysight.com

Hall 3 C.18

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best EV battery test experiences. Whether you're looking to test battery cells to modules, or packs, develop battery management system (BMS), or configure cell forming and cycling, Keysight accelerates innovation with intelligent insights that reduce risk and speed time-to-market. Our fusion of technology knowledge, measurement science expertise, and tailored solutions help you forge ahead with confidence in our connected and dynamic world. More information is available at <https://www.keysight.com/gb/en/products/hev-ev-grid-emulators-and-test-systems.html>



Kistler Instruments
www.kistler.com

Hall 2 B.28

Kistler Instruments are exhibiting our new and innovative optical fiber system for temperature and strain measurement. The Kistler-FSI uses fiber segment interferometry, immune from electro-magnetic interference, is ideal for EV battery development. The Kistler-FSI system has been developed in the UK by our team in Oxford.

LATENT DRIVE

Hall 2 B.10

Latent Drive www.latentdrive.co.uk

Latent Drive are on a mission to revolutionise green hydrogen with two unique technologies – making green hydrogen abundant and affordable to enable the transition from fossil fuels to renewables.

We produce Catrodes, catalysed electrodes, an essential component in electrolyzers. By activating the surface of stainless-steel, this combines both catalyst and electrode as one homogeneous part, without additional ingredients and no need for platinum group metals.

Our latest innovation is the first commercial seawater-to-hydrogen electrolyser, SeaStack. SeaStack splits seawater to produce green hydrogen, without needing desalination or purification, transforming the economics of hydrogen production.

Lighthouse (UK) LTD **MAX**

Hall 3 C.44

Lighthouse www.lighthouse.uk.com

Asset labels, product labels, equipment ID and rating plates, small data labels incorporating 2D barcodes, electrical marking, safety signs and specialist labels can all be produced with ease using Lighthouse label and sign-making systems.

Lighthouse label and sign-making systems are used extensively by maintenance, manufacturing, processing and engineering companies throughout the UK, helping them to improve processes and save time.



Hall 2 B.09

Lithium Battery Recycling Solutions www.lithiumbatteryrecycling.co.uk

Lithium Battery Recycling solutions is a division under the Cawleys Group of companies dedicated to the collection and recycling of Lithium batteries, especially from mobility sources.

We are one of the most experienced companies in the UK with full compliance to collect, treat and recycle Lithium batteries and one of the first to operate with a Mechanical Shredding line at our Luton facility. We are dedicated to the development of new value chains market for Lithium battery materials and offer a truly circular economy solution with the opportunity to make new batteries from old materials.

LOCTITE www.henkel-adhesives.com

Hall 2 B.23

LOCTITE: Hydrogen Sealing Solutions

For over five decades, LOCTITE has been at the forefront of industrial sealing, offering proven, innovative solutions. Our hydrogen sealing products are specially formulated to enhance safety by eliminating hydrogen leaks and ensuring long-term equipment performance. LOCTITE Hydrogen Ready thread sealants meet KIWA GASTEC QA AR 214* standards, ensuring reliability and compliance in demanding applications. Designed to prevent leaks, reduce vibration loosening, and boost system efficiency, our solutions minimize maintenance and downtime. Trust LOCTITE for safety, reliability, and performance in the evolving hydrogen industry.

*Certifications available in select countries.



Hall 2 B.49

Lohmann Technologies (UK) Ltd https://lohmann-tapes.com/en/battery_1722

Lohmann Technologies (UK) Ltd., part of the global Lohmann Group, are specialists in the development, manufacture and conversion of technical films, foams and adhesive tapes.

With a history dating back to 1851, Lohmann remains at the forefront of bonding technology, offering a broad range of pressure sensitive and reactive adhesive tapes that can be tailored to provide additional functionality such as electrical conductivity, thermal insulation and EMI shielding.

Lohmann offers its products in roll and die-cut formats, allowing integration into manual, semi- or fully automatic assembly processes.

Whatever your bonding, shielding, conducting or insulation requirements, Lohmann has a solution.



Hall 2 B.51

Lovibond® Colour Measurement www.lovibond.com

Lovibond® Tintometer – Precision in Colour Measurement

Without colour, life would be dull. At Lovibond® Tintometer, we provide advanced colour measurement solutions to ensure consistency and accuracy across industries. From petroleum, edible oils, and beverages to textiles, cosmetics, and medical sciences, our internationally recognised colour scales, colorimeters, and comparators set the standard. With over 130 years of expertise, we continue to innovate, delivering high-quality instruments, exceptional customer support, and a global distribution network. Operating in 160 countries, our commitment to precision and reliability makes us a trusted partner in colour quality control worldwide. Discover the Lovibond® world of colour measurement today!

Exhibitors

Battery Tech
Expo Exhibitors

Hydrogen Tech
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Maccor
www.maccor.com

Hall 3 C.26

Maccor manufactures testing equipment for the battery and energy storage market (i.e. batteries, capacitors, fuel cells, etc.). Maccor Inc. was the pioneer, and is the world's largest commercial manufacturer for this type of equipment. Maccor continues to be the leader in technological innovation in both hardware and software to allow the test systems to be configured for any application and is recognized the world over as the industry standard in performance, reliability, speed, accuracy, and customer support. More companies rely on Maccor everyday for their battery and cell test equipment needs. Today Maccor has thousands of systems in operation in more than 60 countries.



Metis Engineering
www.metisengineering.com

Hall 3 C.17

Metis Engineering, an ISO9001:2015 certified company, are lead suppliers of environmental, navigational and inertial sensors to the automotive and energy storage industries. Focusing on improving the safety and efficiency of systems with accurate data, Metis Engineering offer sensors for the early detection of thermal runaway in cells, leaks in hydrogen storage and air quality in human spaces. At the Battery Tech Expo 2024 Metis Engineering will be showcasing its range of environmental CAN based sensors including Cell Guard, H Guard and Air Wise and they look forward to discussing use cases with you.



Monolith AI
www.monolithai.com

Hall 3 C.30

Monolith software is trusted by top engineering teams like Siemens and BMW to develop higher-quality products in half the time. Backed by a leading software investor and recognised by Gartner as a Cool Vendor for AI in Automotive, Monolith helps engineers accelerate innovation by using AI to model complex physics from test data. Featured in Forbes and named a UK Top 100 start-up, Monolith was founded by Dr. Richard Ahlfeld, an Imperial College PhD and MIT Innovator Under 35. Headquartered in London, Monolith serves enterprise clients worldwide, revolutionising engineering with cutting-edge AI solutions.



The MTC
www.the-mtc.org

Hall 2 B.21

MTC transforms how products are designed, made and built so that they can be produced on a commercial scale – more sustainably, effectively and safely. Since 2010, our independent research and technology organisation has delivered pioneering solutions to help overhaul industries spanning Power & Energy, Aerospace, Defence & Security, Built Environments, Space, Agriculture, and Food & Drink. Always in collaboration. Always with purpose.

We are proud to be part of the High Value Manufacturing Catapult, established by and working in partnership with Innovate UK.



Munters
www.munters.com

Hall 3 C.32

Munters design, manufacture, supply and install turnkey battery dry room climate control systems to achieve ultra-low dew points of less than 1% humidity ($\leq -40^{\circ}\text{C}$ Dew-point). Our latest innovation, Munters DSS Pro represents an evolutionary leap forward with performance upgrades such as custom configured controls, as well as our new AirPro casing that significantly improves durability, reduces air leakage, and reduces energy consumption. DSS Pro is designed to meet the needs of advanced battery manufacturers' requirements while consuming up to 30% less energy with Munters Green PowerPurge™ desiccant rotor technology.



Netzsch Thermal Instrument
analyzing-testing.netzsch.com/en/applications/batteries

Hall 2 B.02

Netzsch Analysing and Testing is part of the Netzsch Group which also includes a Grinding/Dispersing and Pumps divisions. With over 4,600 employees in more than 200 global production, sales and service companies, the NETZSCH Group has been offering its customers proximity and competent service for over 150 years.

Netzsch Thermal Analysis has a product portfolio for applications in thermal analysis, thermophysical properties testing and Fire Testing which rank among the best in the market as far as meeting the high demands associated with reliable manufacturing and state of the art technologies.

Please visit our stand B02 for more information regarding our UK company and our product ranges for Battery and Hydrogen Technology.



Nord France Invest & ARIA Hauts-de-France
www.nordfranceinvest.com

Nord France Invest is the investment promotion agency for the Hauts-de-France Region, we provide free and confidential support to international companies looking to expand into our territory. It includes:

- Finding the right site
- Accelerating administrative procedures
- Integrating the regional and local ecosystem
- Being put in touch with the right contacts

Nord France Invest helped the 5 gigafactories who set up in our region: Prologium, ACC – Automotive Cells Company, Verkor, Tiamat and AESC – Envision. This support was decisive during their expansion process.

Hall 2 B.41



Oerlikon
www.oerlikon.com/en/portfolio/friction-systems/battery-insulation

Oerlikon pioneers innovative, ESG-compliant thermal insulation materials for batteries. The HS900/800 series heat shields and HS950/850 (SafeVent) module cover enhance battery safety, offering extreme temperature resistance (up to 1400°C), Zero TP prevention, limp-home capability, and compliance with environmental standards. Oerlikon's HS433 (CoolCell) cell separator prevents thermal runaway propagation between cells. These lightweight, mica-free, non-petroleum-based solutions ensure passenger safety by containing heat, fire, and gases in battery systems. Oerlikon provides fully engineered solutions, meeting the highest global battery safety requirements. For inquiries or collaborations, contact Oerlikon to explore advanced materials for battery safety.

Hall 2 B.16



Orbital Fabrications Ltd
www.orbitalfabrications.co.uk

Orbital Fabrications are an industry specialist in the field of manufacturing high purity stainless steel pipework, manifolds, and control systems for high pressure hydrogen management. We will be showcasing our latest developments and innovations in TIG welding, utilising both automated orbital welding techniques alongside lathe and turntable TIG welding. Our support services include comprehensive in-house design, through to test and validation, including in-house helium mass spectrometry for leak detection. High pressure testing beyond 1000 bar is also available, along with full material certification. For high purity applications, all fabrication, assembly, and testing is conducted within our ISO class clean room facilities.

Hall 2 B.35



OSCO UK
www.osco.uk.com

OSCO supports Customers with High Voltage Automotive Power Cables, Modular High Voltage Distribution Units, Cable Assemblies, Litz Wire & Custom Cable, Thermal Management & EMI/RFI Shielding Materials to all industries.

As Huber+Suhner's dedicated UK Sales partner, OSCO holds stock of screened, unscreened, single core and multi-core cables, along with TE Powertubes as pigtailed to provide a quick turnaround for prototypes and production.

With a large range of Connectors certified for use with the cables including TE and Amphenol, we can supply fully validated modular cable assemblies.

Additional in-house capabilities include Inductors, Litz Wire Enamel Removal, Material Cutting and Hi-Pot Testing.

Hall 2 B.37



Oxford Instruments
www.oxinst.com

Be ahead of your time with Oxford Instruments

Understanding the structure and property of a material is fundamental to understanding its characteristics and improving its performance.

Oxford Instruments analysis solutions enable you to accurately analyse and characterise materials down to the nanoscale more rapidly, by combining superior detection and analysis instruments with software that interpret the resulting data in the context of your research.

Our innovative expertise and key-enabling technologies empower you to accelerate your R&D or increase your productivity.

To learn more about how Oxford Instruments solutions can enhance your scientific advancement visit us in Hall 2, stand B.13.

Hall 2 B.13



PEI-Genesis
www.peigenesis.com

PEI-Genesis is a global leader in designing and assembling custom-engineered connectors and cable solutions for harsh environments. Partnering with customers, PEI delivers tailored solutions with unmatched speed, service, and quality. Its proprietary automation, mirrored worldwide, enables rapid assembly from one of the largest inventories of rugged electronic components. PEI offers fast shipping, minimal to no order minimums, and expert custom cable harness design and assembly. With a commitment to precision and efficiency, PEI-Genesis ensures every solution meets exact application needs, setting the industry standard for reliability and responsiveness.

Hall 3 C.29



PENTA ESP

www.pentaesp.com

Hall 3 C.56

A multinational industrial leader, pioneer and expert manufacturer of electrical safety solutions, committed to ensuring your safety at every intervention!



PI-KEM Ltd

www.pi-kem.co.uk

Hall 2 B.25

PI-KEM specialises in providing high-quality chemicals, materials, and equipment tailored to meet the specific demands of battery research. From cases to chemicals, custom coatings to sodium discs, battery analysers to pilot-line equipment, we're purpose-designed to accelerate your new energy research and development.

In addition, we pride ourselves in offering technical support and expert guidance to ensure you get the best solution for your application. Our expert Energy Research team is happy to offer guidance across a wide range of subjects from niche material sourcing to global trade and logistics expertise.

We enable innovation – power up your research with PI-KEM



Powdertech Surface Science

www.powdertechsurfacescience.co.uk

Hall 2 B.44

The experts in dielectric coating for aluminium battery enclosures. We have over 40 years' experience as the most technically advanced powder coating business in the UK. We were the first in aluminium surface treatment to go chrome-free, when we installed our optimised TiZr passivation line in 2001, and we now lead the way in tackling dielectric coating challenges within the UK EV sector.

We have a full suite of in-house testing capabilities, including Hi-Pot, holiday, isolation resistance, RFU, and XRF. Through research partnerships and collaborations with leading automotive manufacturers, we stay at the forefront of developing innovative treatments for lightweight metals.

"I am continually impressed by the team's technical expertise, up-to-date knowledge and level of service" – Bob Mustard, CTO, Watt Electric Vehicles.



PPI Adhesive Products Ltd

www.ppiadhesiveproducts.com

Hall 3 C.51

PPI Adhesive Products Limited is a world-renowned manufacturer of an extensive range of precision converted technical adhesive tapes, die-cuts and laminates for a wide range of industries and applications

Utilising our experience in the development and manufacture of adhesive tapes, we can offer our customers the competitive edge required in a progressive marketplace working closely with the customer to understand the application and specify the correct tape product to be utilised

Our product focus for the Battery Tech Expo will be Fire Barrier, Electrical Insulation, Thermal Management and Component Bonding Materials for your Battery Application requirements



Rockfort Engineering Ltd

www.rockfortengineering.com

Hall 2 B.38

Rockfort Engineering are specialists in electric powertrain and ancillary systems with applications ranging from Formula 1 through to HGVs and non-automotive applications including rail and aviation. We design and deliver part and full electric vehicles, powertrain and electronics systems and offer a range of associated powertrain and ancillary system technologies and products including electronics, batteries, high voltage control, brake-by-wire systems as well as software for full vehicle, powertrain and dynamics control. We are experts in ISO26262 (functional safety standards) which we apply to appropriate levels in all our projects along with providing training and support to customers in its application.



Samuel Taylor Ltd

www.samuelstaylor.co.uk

Hall 2 B.14

Samuel Taylor Ltd (STL) manufactures precision stamped components and assemblies, specialising in the sophisticated bonding of bi-metals. With over 125 years of manufacturing history, and an in-depth understanding of metal stamping, STL has successfully transferred its expertise in busbar technology for smart metering into the development of busbars for electric vehicles.

To support new and existing project developments, STL's UK facility has full in-house design and tool build capability. The company's unique blend of technology, experience and knowledge enables creating more agile, more effective production solutions to address the most complex of manufacturing challenges from prototype samples to mass-production.

Exhibitors

Battery Tech
Expo Exhibitors

Hydrogen Tech
Expo Exhibitors



SCANTECH S.A.S
www.scantech.com

Hall 3 C.23

Scantech develops and manufactures high-performance in-line measurement and control systems. For battery cell production our systems measure the anode and cathode active loading coat weights and density, plus the electrode thickness.

For the separator films we are a leading supplier of systems for thickness, basis weight and porosity measurement. We also measure the insulation (ceramic) coatings. For fuel cells and electrolyzers we provide a unique inline measurement of the catalytic (Platinum, Iridium, etc) loading in the CCM process. We also measure in the GDL and MPL processes. Systems are also available with optional integral surface inspection using CIS technology.



SCHALTBAU Schaltbau
www.schaltbau.com

Hall 2 B.24

Schaltbau a global technology leader provide products and solutions that electrify the world championing safety on rail for generations.

With our New brand Eddicy we create future oriented solutions with the same high standards to reliably switch and protect DC applications in energy and e-mobility through innovative engineering and unwavering commitment delivering cutting edge products such as contactors, connectors, snap-action switches, and other electromechanical components that redefine safety and efficiency. Rooted in the solid foundation of our time honored expertise we are on a mission to unlock the full potential of electrification to protect people and the planet.



SciMed
www.scimed.co.uk

Hall 3 C.49

SciMed is a leading supplier of scientific and analytical instrumentation, providing advanced solutions for the battery and energy storage industries. With over 40 years of expertise, we support research, development, and production with cutting-edge technologies, including electrochemical analysis, thermal analysis, spectroscopy, and material characterisation. Our portfolio ensures precision in quality control, safety testing, and performance optimisation for battery innovation. As partners to world-class manufacturers, we offer expert technical support and tailored solutions to meet evolving industry needs. Visit us at Battery Tech Expo 2025 to discover how SciMed can enhance your battery technology processes. Learn more at www.scimed.co.uk.



SHERWIN WILLIAMS
www.industrial.sherwin-williams.com

Hall 3 C.50

The Society of Motor Manufacturers and Traders (SMMT) is one of the largest and most influential trade associations in the UK. Its resources, reputation and unrivalled automotive data place it at the heart of the UK automotive industry. SMMT is the voice of the UK motor industry, supporting and promoting its members' interests, at home and abroad, to government, stakeholders and the media. SMMT represents close to 900 automotive companies in the UK, providing them with a forum to voice their views on issues affecting the sector, helping to guide strategies and build positive relationships with government and regulatory authorities.



SMMT
www.smmt.co.uk

Hall 3 C.12

The Society of Motor Manufacturers and Traders (SMMT) is one of the largest and most influential trade associations in the UK. Its resources, reputation and unrivalled automotive data place it at the heart of the UK automotive industry. SMMT is the voice of the UK motor industry, supporting and promoting its members' interests, at home and abroad, to government, stakeholders and the media. SMMT represents close to 900 automotive companies in the UK, providing them with a forum to voice their views on issues affecting the sector, helping to guide strategies and build positive relationships with government and regulatory authorities.



SPAL
www.spalautomotive.co.uk

Hall 2 B.11

SPAL Automotive has been leading the way in the design, production, and marketing of innovative heating and cooling system products for the automotive industry and stationary applications for over 60 years. Offering a wide range of products, including axial fans and centrifugal blowers, as well as high-performance coolant pumps, the company specialises in brushed and brushless motors and has developed advanced technology fans with smart features for high performance and long life. SPAL is recognised in the industry as a major global player, actively working with leading vehicle manufacturers to meet their thermal management needs.

Exhibitors

Battery Tech
Expo Exhibitors

Hydrogen Tech
Expo Exhibitors



Suiso
www.suiso.co.uk

Hall 2 B.11

Suiso develops a low-energy, near-zero emission microwave-driven methane cracking process for onsite hydrogen generation and gas-powered heat decarbonization.

Hydrogen is key to the global energy transition, but cost and distribution challenges have hindered its adoption. Suiso's technology leverages existing electrical and gas infrastructure to produce clean, low-cost hydrogen, converting stranded assets into vital hydrogen hubs.

By generating hydrogen onsite, Suiso eliminates distribution costs, making it competitive for small to medium applications, including industrial decarbonization, H2 fueling stations, grid injection, and emergency supply. Suiso designs, builds, and supplies these generators globally, directly or via licensees.



Swindell & Pearson
www.patents.co.uk

Hall 3 C.53

Swindell & Pearson, established in 1878, is a leading firm of intellectual property attorneys with vast experience in helping our clients protect, defend and enforce their intellectual property. We understand that patents are primarily commercial tools and have the experience to fashion the correct tool for the circumstances. For some clients, that means obtaining the broadest scope of protection possible. For others, it means obtaining fast grant so that a patent can be used to secure funding or Patent Box tax relief. Drop by our booth to learn more from our experts with a particular interest in the battery sector.



TA Instruments – a Division of Waters Ltd
www.tainstruments.com

Hall 3 C.45

TA Instruments, a division of Waters Corporation, is the leading manufacturer of analytical instruments for thermal analysis, rheology and microcalorimetry. Whether it is detailed battery material analysis or characterizing whole battery performance, battery scientists and developers across the value chain use solutions from TA Instruments to push the capabilities of Li-ion batteries further.



Techni Measure Ltd
www.technimeasure.co.uk

Hall 2 B.12

Since 1971 Techni Measure has supplied sensors & systems for the measurement of many physical parameters including strain, displacement, vibration, orientation, location, load/force/torque, pressure and temperature. We also supply calibration systems for vibration, shock and acoustic sensors and vibration exciters & controllers for structural excitation and modal analysis. At the Battery Tech Expo 2024 we will be showcasing a wide selection of sensors and transducers used in the R&D and production phases of battery manufacture, including vibration test systems and dynamic pressure mapping solutions for cell interface pressures. We look forward to meeting you and discussing your application.



Telonic Instrument Ltd
www.telonic.co.uk

Hall 3 C.15

Telonic Instruments Ltd an ISO9001:2015 registered company specialises in Test Instruments and Programmable AC and DC Power Supplies from industry leading manufacturers including Kikusui, Delta Elektronika, Lab-Power, Zes Zimmer, Rigol, Siglent, Brymen, Danisense, Tekbox, Graphtec, Sensepeek, Microtest, JBC and Micsig. Telonic has been supporting the electronics, automotive, aerospace, education, manufacturing, research and development sectors with sales, service, calibration and hire in the UK for over 50 years.



Telsonic
www.telsonic.com

Hall 3 C.03

Recognised as a world leader in the development and application of ultrasonic technology for a range of welding, joining, cutting, sieving, and cleaning applications across multiple market sectors, Telsonic has now become established as a valued partner in the growing Electromobility sector. In addition to standard ultrasonic modules and systems, Telsonic has launched the Telso®Terminal TT7. This self-contained system is revolutionising ultrasonic metal welding in many application areas, making a positive impact on cable assembly and battery production. Specific applications include HV cables, battery terminals, and cell connectors which are welded in a wide variety of materials, designs, and configurations.



Trent Construction
www.trentcs.com

Hall 2 B.03

Trent Construction Services is a business established in 2012 that focuses on the delivery of concrete flooring, yards, roadways, and a wide variety of associated works including site preparation, ground works, raft foundations, plinths, ducts and the like. Based in the Midlands, and with personnel based across the UK Trent Construction Services operates nationwide in most market sectors delivering projects typically valued from around £50,000, to in excess of £2m. With extensive experience and a knowledgeable team we welcome a challenge and any enquiry!



VACPRO UK
www.vacpro.co.uk

Hall 2 B.45

We are the single destination for all your vacuum and glovebox equipment sales and service requirements. As official distributors for leading global manufacturers such as Edwards Vacuum, MKS Instruments and Jacomex Gloveboxes, you can be assured of the highest quality products and technical knowledge. Our teams in the UK and in Denmark are experienced in many different vacuum applications and we pride ourselves on our customer service and support. We are specialists in all kinds of vacuum processes and vacuum applications We can offer service, repair or exchange of an extensive range of vacuum equipment.



TTI IP&E
www.ttiinc.com

Hall 3 C.01

TTI, Inc., a Berkshire Hathaway company, is a world leading specialist distributor of passive, connector, electromechanical, discrete, power and sensor components. TTI Europe is headquartered in Maisach-Gernlinden near Munich, Germany. Globally, TTI is headquartered in Fort Worth, Texas and has over 100 locations across North America, Europe and Asia. TTI's philosophy is "Lead by Design", and the company differentiates itself by focusing on people, parts and process. TTI in Europe strives to be the distributor of choice for customers and suppliers by introducing new product technologies and stocking broad and deep inventory across its franchise base.



Vector GB Limited
www.vector.com

Hall 2 B.48

For more than 35 years, Vector has been your capable partner in the development of automotive electronics. Driven by our passion for technology, Vector develops tools, software, hardware and solutions for automotive and related industries around the world. Solutions from Vector help simplify the development of embedded systems in areas such as e-mobility, safety and security, ADAS and autonomous driving.

The development of electric vehicles poses new challenges for measurement technology. Vector and our partner company CSM develop powerful and flexible e-mobility measurement solutions providing fast multi-channel measurements in high-voltage cables and components.



Thurlby Thandar Instrument Distribution (TTID)
www.ttid.co.uk

Hall 3 C.41

TTid (Thurlby Thandar instrument distribution) is the UK sales division of TTI Ltd and is one of the largest distributors of test and measurement equipment in the UK, representing many leading American, European, Japanese and Far Eastern manufacturers, including Rohde & Schwarz, ITECH Electronics, Chroma, AMETEK Programmable Power (Sorensen, California Instruments, ASTERION, Amrel), Magna Power, Yokogawa, Vitrek, amongst others. Offering a wide range of general and specialised T&M; AC/DC sources and loads (including regenerative & bidirectional), complete systems power solutions, battery test solutions, oscilloscopes, generators, analysers, DMM's, DAQ.



VONK
www.iivonk.com

Hall 3 C.52

VONK is an international solution provider for Power Conversion, Electrical & Instrumentation (E&I) and Control & Automation (C&A) challenges. With our experience which has been built up over more than 80 years, we create value for our clients in a wide range of industries: Energy (renewables, nuclear, conventional) and Oil & Gas, (Petro)Chemical, Manufacturing and Defense.

Exhibitors



Hall 3 C.14

Weatherall Equipment & Instruments Ltd **www.weatherall-uk.com**

Exclusive UK and Ireland Distributor for Riken Keiki Co Ltd of Japan. Leaders in state of the art Fixed and Portable Gas Detection Instruments for Detection of Hydrogen Gas.

WILD HYDROGEN

Hall 2 B.05

Wild Hydrogen **www.wildhydrogen.com**

Wild Hydrogen is revolutionising energy systems with its patented Rising Pressure Reformer (RiPR) technology, producing carbon-negative hydrogen and biomethane from agricultural residues, waste streams, and other wet biogenic materials.

By capturing carbon dioxide during production, Wild Hydrogen provides sustainable energy solutions that actively reduce greenhouse gas emissions. With proven prototypes and scalable technology, the company is focused on decarbonising hard-to-abate sectors such as transport, heavy industry, and energy.

Based in Gloucester, Wild Hydrogen is driving the UK's transition to net zero while creating opportunities for regional collaboration and innovation. Join us in leading the charge towards a low-carbon future.

ZUKEN® **Zuken UK Ltd** **www.zuken.com**

Hall 3 C.25

Zuken is a global software company offering advanced design solutions for the creation and management of PCB designs, electrical and fluid systems and 3D cabinet and wire harness layouts.

As more and more companies embrace the Digital Transformation, Zuken is uniquely positioned to deliver the Digital Engineering piece for Electrical and Electronic design, with the recent acquisition of Vitech Corporation, a leader in Model-based Systems Engineering (MBSE).

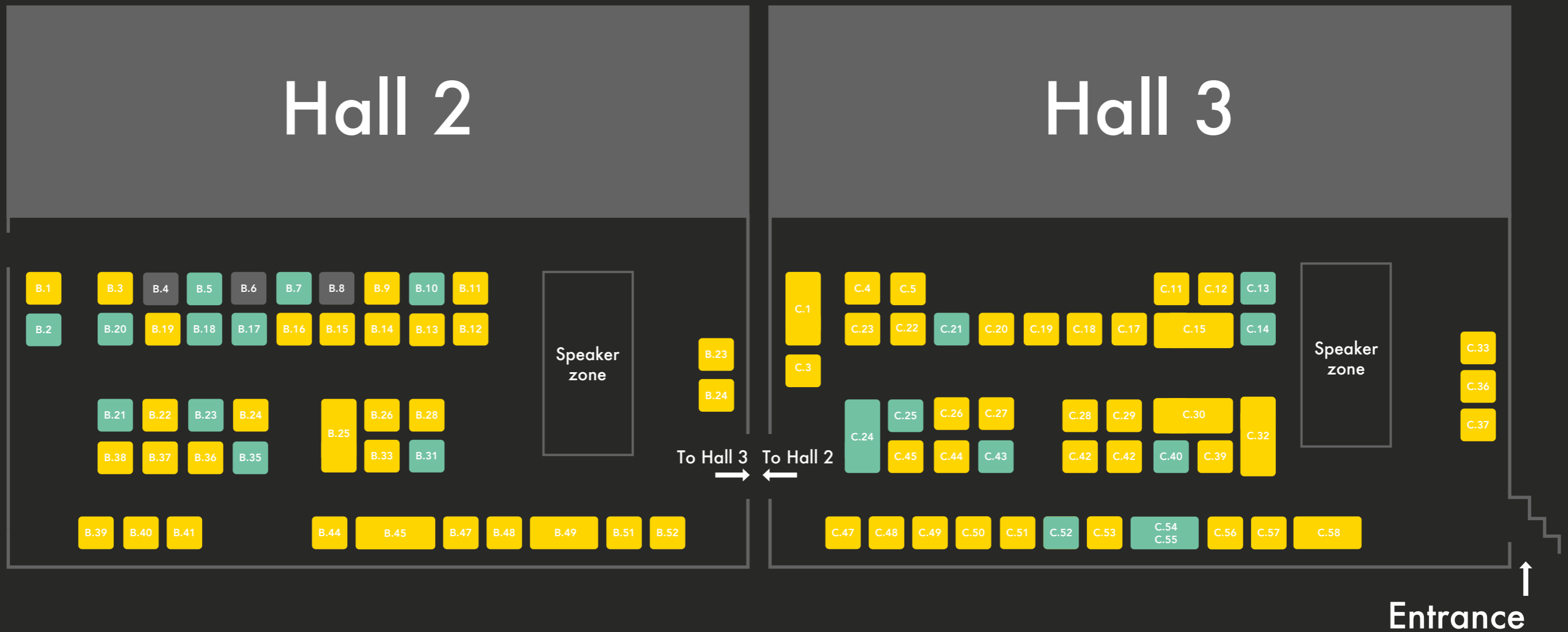
The new MBSE addition plus proven detailed design solutions make Zuken a leader in Digital Engineering for E/E model-based design solutions.



THE FULL SHOW

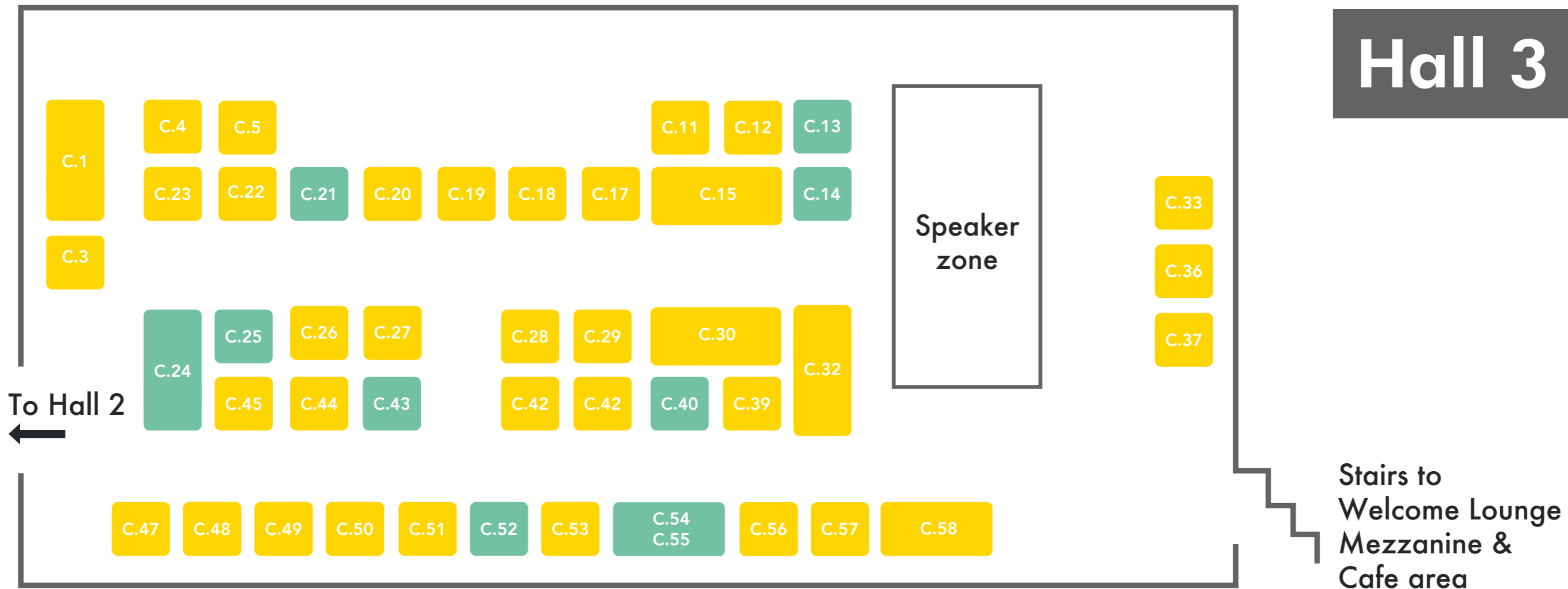
60 of the UK's leading speakers

Over 100 exhibitors showcasing new technologies and knowledge



The UK's largest technical event for the battery and hydrogen industry

Hall 3

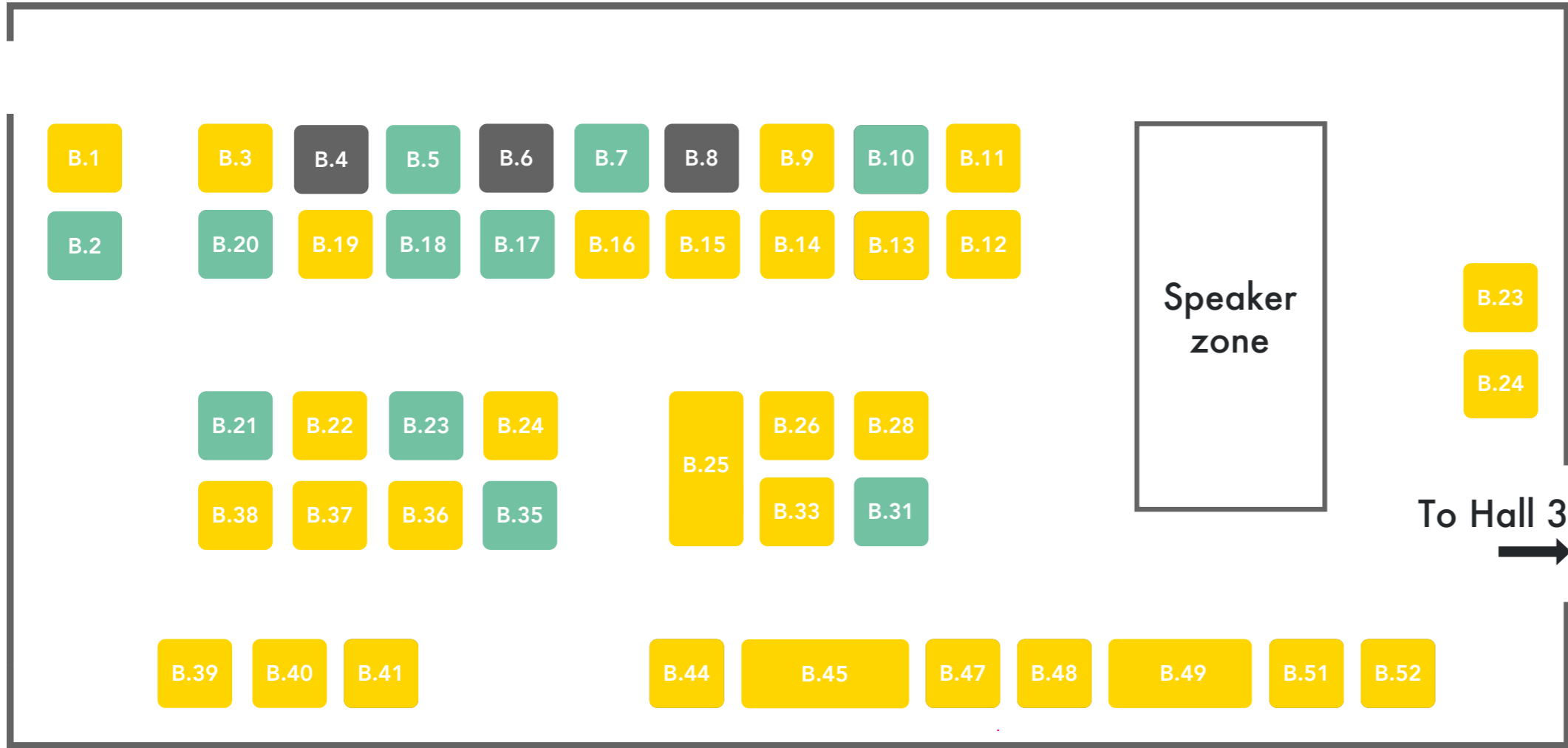


Exhibitor	Stand number
Accelonix	Hall 3 C.47
Alvatek Ltd	Hall 3 C.24
Arbin Instruments	Hall 3 C.42
Asecos	Hall 3 C.57
Battery Tech Association	Hall 3 C.11
Bosch Rexroth	Hall 3 C.55
Bry-Air	Hall 3 C.4
Caltest	Hall 3 C.43
Cambridge Sensotec	Hall 3 C.40
Cambustion	Hall 3 C.28
Cell Cycle	Hall 3 C.19
CellSpot	Hall 3 C.48
COMSOL	Hall 3 C.21
Diotec	Hall 3 C.20
EMTEZ	Hall 3 C.36
Festo Ltd	Hall 3 C.13

Exhibitor	Stand number
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HV Wooding	Hall 3 C.58
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Hyonic	Hall 3 C.05
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Monolith AI	Hall 3 C.30
Munters	Hall 3 C.32
PEI-Genesis	Hall 3 C.29
PENTA ESP	Hall 3 C.56
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Exhibitor	Stand number
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Scimed	Hall 3 C.49
Sherwin Williams	Hall 3 C.50
SMMT	Hall 3 C.12
Swindell & Pearson	Hall 3 C.53
TA Waters	Hall 3 C.45
Telonic Instruments	Hall 3 C.15
Telsonic UK Ltd	Hall 3 C.03
Thurlby Thandar Instrument Distribution	Hall 3 C.41
TTI IP&E - Europe	Hall 3 C.01
VONK	Hall 3 C.52
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Hall 2



Exhibitor	Stand number
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Advanced Propulsion Centre UK	Hall 2 B.40
Altertek Ltd	Hall 2 B.36
BINDER	Hall 2 B.29
Careys	Hall 2 B.01
CEM Microwave Technology Ltd	Hall 2 B.22
CEMO	Hall 2 B.33
CN Tech	Hall 2 B.15
Coax Valves	Hall 2 B.20
Danecca	Hall 2 B.39
Ebble Group - Tantec	Hall 2 B.52
Element Materials Technology	Hall 2 B.26
Firechief Global	Hall 2 B.19
Fisair UK	Hall 2 B.47
Harting Ltd	Hall 2 B.31

Exhibitor	Stand number
Horiba	Hall 2 B.18
IAAPS	Hall 2 B.17
Kistler Instruments	Hall 2 B.28
Latent Drive	Hall 2 B.10
Lithium Battery Recycling Solutions	Hall 2 B.09
LOCTITE	Hall 2 B.23
Lohmann Technologies (UK) Ltd	Hall 2 B.49
Lovibond	Hall 2 B.51
Netzsch Thermal Instruments UK Ltd	Hall 2 B.02
Nord France Invest & ARIA Hauts-de-France	Hall 2 B.41
Oerlikon	Hall 2 B.16
Orbitalfab	Hall 2 B.35

Exhibitor	Stand number
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Oxford Instruments	Hall 3 B.13
PI-KEM	Hall 2 B.25
Powdertech Surface Science	Hall 2 B.43
Rockfort	Hall 2 B.38
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Schalbau	Hall 2 B.24
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Swindell & Pearson	Hall 3 C.53
TA Waters	Hall 3 C.45
Techni Measure Ltd	Hall 2 B.12
Telonic Instruments Ltd	Hall 3 C.15
Telsonic UK Ltd	Hall 3 C.03
Thurlby Thandar Instrument Distribution	Hall 3 C.41
Trent Construction	Hall 2 B.03
TTI IP&E - Europe	Hall 3 C.01
VACPRO UK	Hall 2 B.45
Vector	Hall 2 B.48
VONK	Hall 3 C.52
Weatherall Equipment & Instruments Ltd	Hall 3 C.14
Wild Hydrogen	Hall 2 B.05
Zuken UK Ltd	Hall 3 C.25



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