

Battery Tech Expo

Co-located with



EV INFRASTRUCTURE EXPO

Event guide

25th April 2024

The Wing, Silverstone, Towcester, NN12 8TL

www.batterytexpo.events

COME AND MEET OUR EXPERT TEAM

Stand Location: Hall 3 - Stand Number. C18



Newsome has been at the forefront of the temperature control and humidity industry for over 50 years, amassing a wealth of extensive engineering experience and a thorough knowledge of all aspects of process temperature control and HVAC solutions.

Visit us at Hall 3, Stand C18 to explore our latest innovations and solutions firsthand. The Newsome team will be available to discuss our cost-effective and energy efficient systems and how we can meet your process temperature control and HVAC requirements.

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- HVAC & Refrigeration
- Humidity Control
- Contingency Heating & Cooling
- Turnkey Solutions

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Advances in battery tech and EV infrastructure development continue to play a major part in the transition to net zero with the UK investing heavily in innovation. Today, you'll have the chance to explore the latest developments across 3 exhibition halls, where you'll find leading exhibitors showcasing cutting edge innovations.

Throughout the day, industry experts will be presenting on a variety of topics over 3 theatres. You can see the full speaker agenda in this magazine. 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 are also pleased to announce the Battery Tech Expo UK has expanded in size over the years so much so that for 2025 we are moving to two days offering additional content, innovations and many more networking opportunities!

Finally, the Battery Tech Expo runs in conjunction with the Battery Tech Association, www.batterytechassociation.org, a free membership organisation set up to help promote battery technologies across the industry providing members an opportunity to share content, learn and network.

We wish you a productive day!

D. Reeks

David



David Reeks
Managing Director,
10Four Media

Events Team



Rebekah Ford



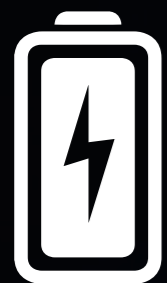
Helen Peden

POWER THE FUTURE

45 of the UK's
leading speakers

Over 100 exhibitors
showcasing
new technologies
and knowledge

The UK's largest
technical event for the
battery industry

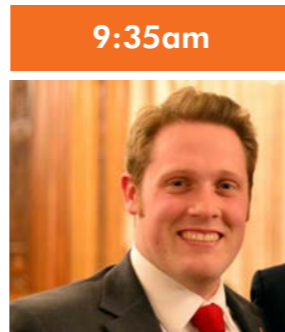


**Battery
Tech
Expo**



Topic: Overview of UK policy landscape for EVs

Owain Mortimer is the Technology & Innovation Manager at the Society of Motor Manufacturers and Traders (SMMT). Owain focuses on supporting innovation in the automotive industry, in order to ensure the policy landscape in the UK is effectively supporting the development of the technological needed to reach net zero targets. He is interested in the developing policy to support the transformative technological solutions needed for a sustainable and effective transport sector. Owain previously worked in local government on decarbonisation of transport and on UK climate and carbon policy more widely in the third sector.

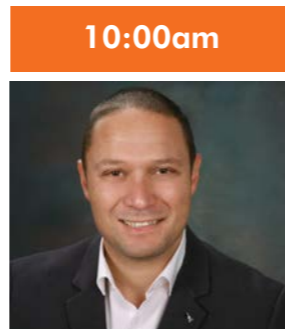


Owain Mortimer
Technology and
Innovation Manager
SMMT



Topic: Benefits of Advanced Battery Testing and Formation

Volkan Topal is a Sales Manager at Digatron Power Electronics in Aachen (DE). He has 15 years of experience in technical sales and is working for Digatron since 2017. With his engineering background and his results-oriented approach in developing and maintaining customer relationships, he is facing very interesting new challenges and opportunities on a daily basis. Focus of his work has always been the close contact to the customers, which he also emphasizes in his role at Digatron Power Electronics.



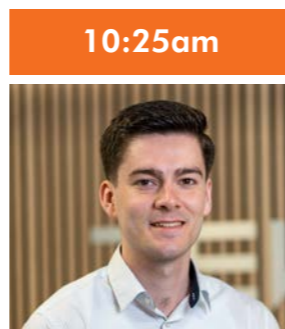
Volkan Topal
Sales Manager
Digatron Power Electronics GmbH



Topic: The industrialisation of dry-rooms and what it means for doorways

After spending 4 years as an Account Manager for some of Tekta's largest blue-chip clients, Blake was recently appointed to head up the Marketing and Innovation department at Tekta and is on a mission to elevate doorway quality and compliance in controlled environments.

At Tekta, the UK's leading independent door and loading bay specialist for controlled environments, Blake plays a pivotal role in driving awareness of cutting-edge solutions and striving for continuous doorway innovation. Tekta's commitment extends beyond conventional practices and aims to ensure manufacturing success through meticulous specification, installation, and maintenance of high-quality doorways.



Blake Drysdale
Marketing &
Innovation Manager
TEKTA



Topic: Avoiding a Legal Short Circuit – EV Infrastructure power demand update

Khuram Iqbal is a commercial solicitor consulting with Artington Legal. His niche area of specialism is Electric Vehicle infrastructure.

Artington Legal are certified B Corp and focus on providing commercial legal advice and services to early stage companies, growing medium companies and internationally listed companies.

Specialised legal support in various technology sectors, including FinTech, Travel Tech, Tech for Good, and Health Tech we can support you across a wide range of areas including IT contracts and licences, protection of your intellectual property, raising external funding, e-commerce and distance selling regulations, data protection and privacy, employment law and commercial real estate.



Khuram Iqbal
EV Commercial
Solicitor
Artington Services Limited



Topic: What can we learn from Battery Benchmarking?

Nigel is an independent consultant on battery design with over 30 years of experience in the automotive industry in both Engineering and Research at Jaguar Land Rover, 14 years in battery research and design. He is now a consultant on pack design for automotive, aerospace as well as fundamental research programmes. He has strong working relationships with the UK battery research programs in the universities and a strong developed network across the battery supply chain worldwide. A solid grounding in physics and vehicle design allows him to look at whole battery design concepts and optimisation. Founder of BatteryDesign.net - from chemistry to pack.



Nigel Taylor
Founder
BatteryDesign.net



Topic: Advancing Lithium-Ion Battery Safety: Test Methodology for Mitigating Internal Short-Circuit and Self-Discharge Risks

Nishant Praxhar, an Account Manager for one of our franchise partners, Chroma ATE, brings over a decade of industry experience in the energy sector, technology consulting, and test and measurement solutions. Holding a B.Tech in Mechanical Engineering, Post Graduate Diplomas in Intellectual Property Rights (IPR) and an MBA in General Management.

Nishant focuses on delivering test and measurement solutions to a diverse clientele across Europe. He collaborates closely with clients to grasp their unique needs and challenges, ensuring the provision of innovative and efficient solutions. At the Battery Tech Expo, Nishant eagerly looks forward to sharing insights and engaging in discussions to advance this critical field.



Nishant Praxhar
Chroma Account Manager
APC Technology Group Ltd

Speaker agenda

Hall 1



Topic: Latest Standardization, Certification and Regulatory updates for consumer use batteries and micro-mobility

Jakub Kacki has been with UL Solutions for 18 years. He is the global Business Development Manager focused on global battery business (portable, wearable, micromobility) within the Consumer, Medical and Information Technology division at UL Solutions. He works with our Commercial, Operations and Field Services departments to drive the development of safety-related services and programs for batteries, information technology equipment, consumer electronics products, micromobility and more.



Topic: Empowering the future: ABM and NexPO partnership

Martyn leads the R&D and innovation initiatives at ABM, including investigating eco-friendly surface treatments that are corrosion resistant to battery electrolyte. Martyn has a PhD in Inorganic and Materials Chemistry from University of Nottingham and has expertise in solid-state chemistry from previous roles at Morgan Advanced Materials. In addition, Martyn sits on the Faraday Institution Expert Panel and has established strong links with The University of Manchester, helping ABM to be awarded the Deans Award focusing on surface treatments for Li-ion pouch cell tabs.



Topic: Solid State Batteries Progress Update

John Tinson joined Ilika in 2019 as VP Sales & Marketing. 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.

12:05pm



Jakub Kacki
Business Development
Manager - Consumer,
Medical & Information
Technologies

UL Solutions

12:30pm



Dr. Martyn Brown
R&D Technical Lead

Avocet Battery Materials (ABM)

1:20pm



John Tinson
VP Sales and
Marketing

Ilika



Topic: Shorter Time to Market and Lower Cost Scale up for Battery Startups and SMEs through Early QMS Implementation

Ibon is a Senior Technical Lead managing a range of projects related to battery and E-motor manufacturing, as well as hydrogen storage. He has extensive experience working on research projects, and also working with clients within the automotive industry. His experience working in logistics has given him a broad overview of the supply chain and the challenges the industry needs to overcome. Ibon holds a Masters degree in Renewable Energy Systems from Wroclaw University of Technology and a Bachelors degree in Electrical Engineering from the University of the Basque Country.

1:45pm



Ibon Terrazas Velez
Senior Technical Lead

HSSMI



Topic: Challenges of your EV Fleet Transition

Tom has over 10 years B2B sales experience working with clients varying from the BBC to the FA with an emphasis on building long term partnerships. Tom is passionate about creating a sustainable future and has worked with Tesco, DHL, UPS, Sainsburys, Red Bull racing and many more on their EV transition and roll outs. He's a specialist in delivering full turnkey solutions for both AC and DC chargers on a multi-site, national scale including site power upgrades. Outside of work, Tom is a UEFA qualified football coach working with both young talent and adults at Charlton Athletic Community Trust.

Following an apprenticeship as a Control Engineer in the Royal Navy, Loyd became a submariner, managing critical control and electrical systems onboard a sea-going submarine. After leaving the Navy, Loyd worked in the IT industry before setting up ElectrAssure with his son, Alun. An increasing passion for environmental issues caused Loyd to steer ElectrAssure towards low energy and renewable technologies, entering the EV charging market in 2013. As ElectrAssure has grown, Loyd's role has evolved from technical to customer focused.

2:10pm



**Loyd Davies and
Tom Dinnage**
Director and Head
of Partnerships

ElectrAssure LTD



Topic: Employing the Halo™ approach to mitigating the risk of thermal runaway

Matt Humby has been in the fire industry for 23 years, having worked with several extinguisher producers and testing bodies in the UK to meet relevant fire standards. He provides advice and solutions to help mitigate fire risks and has a particular expertise in educating about the risks, causes and effects of Lithium-ion battery fires through his work as a public speaker, podcaster and CPD course provider.

2:35pm



Matt Humby
Senior Technical Consultant

Firechief Global

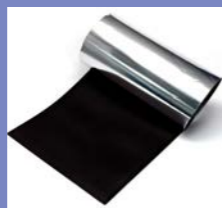
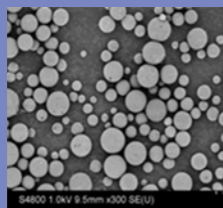


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- Electrolytes
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Speak to our expert team on Stand B.26, Hall 2

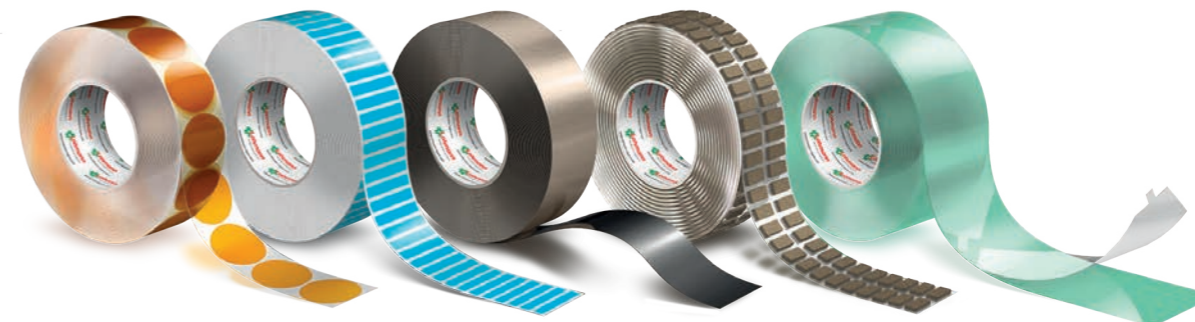
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As electric vehicle manufacturers rapidly develop to meet 2035 legislative targets, so too must their component suppliers. With over 170 years' experience manufacturing and supplying adhesive tapes, Lohmann is ready to meet these market challenges. Besides bonding, our products provide insulation, damping, cushioning, electromagnetic shielding, fire-retardancy, venting, sealing and more. Through our converting capabilities customers can seamlessly integrate our materials into their processes. Whether it's thermally conductive tapes for efficient heat transfer or electrically conductive tapes for EMI/RFI shielding – we have the expertise and products to meet your needs. Discover the power of multifunctional adhesive tapes at our booth!

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Topic: The Smarter Battery - Integrated IoT Platforms for Drivetrain Applications

Alex Stapleton has worked in the battery industry for almost 20 years with a broad range of experience across multiple chemistries, cell manufacturing, custom battery pack design and assembly, product management and commercial roles in Europe, the USA and the UK. Today, Alex is Chief Commercial Officer at Alexander Battery Technologies.



Topic: The Design Challenge: When to think about fasteners in future mobility

Representing TR Fastenings is Sven Brehler, Global Director of Engineering. Sven has over 25 years of experience in mechanical engineering, 20 of which have been in the component manufacturing industry.

Passionate about application engineering, he supports his team to develop engineering solutions in collaboration with their customers, applying emerging and maturing technologies in automotive EV and battery applications. Sven is a core member of the Sustainability Team at the company, responsible for technology and innovation.

TR Fastenings' global presence is currently supporting customers to improve their sustainability targets alongside their projects in electrification, working closely with the groups sourcing and manufacturing to meet the challenges that our industry is facing.



Topic: Electric Vehicle & Battery Quality Control with Nikon

Lucy Parsons has spent 13 years in metrology, working in industrial areas such as automotive, aerospace, construction, medical and general engineering, with some of the biggest manufacturers across the UK and Europe.

Lucy Parsons
Account Manager Laser Radar Europe
Nikon

9:30am



Alex Stapleton
Chief Commercial Officer

Alexander Battery Technologies

9:55am



Sven Brehler
Global Director of Engineering

TR Fastenings

10:20am



Topic: Designing the battery packs that customers want

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.

10:45am



Angus Lyon
Director

Rockfort Engineering

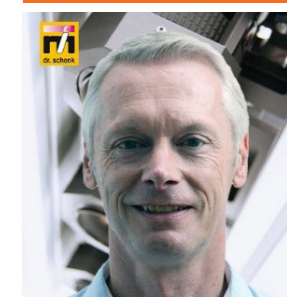


Topic: Switchable high-speed cameras and illuminations allow 3 possibilities of inspection results

After his education in vocational education degree in banking & finance, Martin Lehmkoester has focused his business career since more than twentytwo years in sales activities relating to measurement technologies.

Martin Lehmkoester is responsible as a Sales Manager for the Dr Schenk web inspection business. His profound experience in fuel cell, battery, nonwoven, coating, composite and membrane production is a valuable tool to understand the needs and requirements of the applications.

11:10am



Martin Lehmkoester
Sales Manager

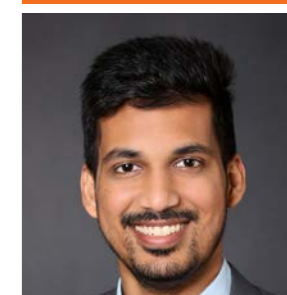
SiTEST - Dr Schenk



Topic: How to find the fly in the ointment: Why quality assurance and inspection of batteries is crucial for reliable products

Harsh Samsukha is a Sales Manager and Solution Engineer at Safion GmbH. Safion is a fast-growing company in Germany and a popular name in the field of fast and accurate lithium-ion battery testing, incoming goods inspection, and second-life diagnosis of batteries. Harsh has an expertise in creating strategic sales solutions tailored to diverse business needs, and has catered to customers in Asia, Europe, and the Americas. With a proven track record of driving revenue growth and fostering long-term client relationships, He excels in aligning technical capabilities with business objectives. He holds a Master's degree in Electrical Engineering with specialization in the field of battery diagnostic systems from the RWTH Aachen University in Germany.

11:35am



Harsh Samsukha
Sales Manager and Solution Engineer

SiTEST - SAFION



Department for
Business & Trade

Topic: Environmental Regulations for Batteries – What you need to know?

Alan has responsibility for a team that deals with batteries placed on the UK market, takeback requirements for waste batteries and electrical & electronic equipment (WEEE), restrictions of hazardous substances in electrical products, waste industrial & automotive batteries and end of life vehicles.

Dan has responsibility for a team that deals with batteries placed on the UK market and waste industrial & automotive batteries. In the twenty years prior to joining OPSS, Dan held a number of compliance roles in the private sector.

12:00pm



Alan Twells and Dan Harbach
Enforcement Manager, Office for
Product Safety & Standards

Enforcement Team Leader, Office for
Product Safety and Standards
Department for Business & Trade



Topic: An Introduction to EU Regulation 2023/1542 concerning batteries and waste batteries

Kane possesses extensive expertise as a global certification technical expert at BSI specializing in batteries, energy storage, and electric vehicle supply equipment. With a wealth of experience spanning many years in the TIC (Testing, Inspection, and Certification) industry, he has dedicated his focus to testing and certifying electrical products and energy storage systems. Actively engaged in various standard committees pertaining to his areas of expertise, Kane plays a pivotal role in shaping and advancing standards in these fields. His contributions drive innovation and ensure the quality and safety of emerging technologies crucial to the energy sector and beyond.

12:25pm



Kane Pinney
Certification Technical
Expert
BSI Group



Topic: Battery Cooling - Next Generation Technology

As a Business Development Manager at Erwin Quarder Systemtechnik GmbH, located in Minden, Germany, Claus brings a wealth of experience and expertise to the role. With a background as a mechanical engineering technician, Claus has held various positions, including Project Manager and Sales Manager within the same company, as well as serving as a Key-Account-Manager at Mektec Group Europe, and holding managerial positions at innoME GmbH and accensors GmbH. Married with three children, Claus is fluent in both German and English, facilitating effective communication in diverse business environments. His proficiency spans business development, technical sales, project management, and the intricate calculation of injection molds and plastic parts, making him a versatile asset in the industry.

1:15pm



Claus Mohrhoff
Business Development
Manager

Erwin Quarder Systemtechnik GmbH



Topic: Achieving ultra-purity electrolyte with cost-effective process

Ilaria De Puri is a Senior Sales Engineer with Sulzer Chemtech, in Switzerland. Ilaria is responsible for fractional crystallization (purifications at the highest levels) in Western Europe and North American markets.

She is a big believer in innovation that drives companies and everyday life improvements. Ilaria holds a bachelor's degree in Energy Engineering and an MSc in Energy Systems and Thermal Processes from Cranfield University (UK). With over ten years of experience in the Chemical Process and Power Industry with Sulzer, Alstom, and GE, she has had various roles, from tendering to plant commissioning and process design.

1:40pm



Ilaria De Puri
Product Line Manager
Sulzer Chemtech Ltd.



Topic: Can we crack China's Graphite Code? Producing Sustainable Battery Raw Materials locally

PhD in Atmospheric Chemistry from the Max Planck Institute for Chemistry in Germany. With over a decade of experience in international research and development, including postdoc work, he is an expert in chemical solutions. Passionate about using science with a sustainability purpose and finding innovative solutions. Strong focus on startup ventures which adds another dimension to his skill set, blending academic knowledge with entrepreneurial spirit.

2:05pm



Einar Karu
VP of Technology
UP Catalyst



Topic: Quantification of parasitic reactions in days, not weeks

Mark is a Chemist by education but has been working in the materials testing space for the last 30 years. His current role is managing the battery segment business of TA Instruments, the leader in thermal and rheological analysis of materials. This includes using an incredibly sensitive microcalorimeter to monitor parasitic reactions, not just total heat output.

2:30pm



Mark Phipps PhD
CChem FRSC
Battery Segment
Sales Lead

TA Instruments - Waters LLC



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Battery Testing Equipment Supplier



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10th October 2024
Gothenburg, Sweden



Battery Tech Expo

30th January 2025
Lille, France



Battery Tech Expo

26th & 27th March 2025
Silverstone, UK



www.batterytechexpo.events



Topic: Desiccant Dehumidification, one of the big energy consumers in Li Battery factories. Why is it so and can we do something about that?

Magnus has been working within the desiccant dehumidification industry since early 90's. For many years food and pharma were their larger customers. Now the big user of their technology is the Li-battery industry. He have been with this application from the very start in Japan through our Japanese mother company Seibu Giken and then the big expansion with all the gigafactories in China through our daughter company DST China. Last few years Magnus has also been involved in designing and following through our projects in gigafactories in USA and Europe.



Topic: The Threat of Thermal Runaway - How Fike Blue Makes the Deployment of an ESS into Populated Areas Possible

With a background in computer science and electronic engineering. Mark has spent his career working in the life safety sector specialising in the design, manufacture and supply of Fire and Explosion safety systems. Mark has been with Fike since 2006 and has held a variety of roles including European Business Development Specialist, Electrical Product Engineering Manager and Commercial Lead of EN Fire Products. In his current role as GM, Mark manages operations at our electronics manufacturing division, FST in Cwmbran, South Wales that specialise in the design and production of Fire Suppression, Detection and Alarm products for both the UK and international markets.



Topic: DV Power Solutions for Battery Maintenance

Vedran is an application engineer at DV Power, in charge of developing equipment for transformer testing and substation grounding systems testing. He also works as a technical sales/support engineer for several different territories, with over 8 years of technical experience.

Since graduating with an MSc in power electrical engineering, he has been working for the next four years as a Commissioning Engineer for power plants and electrical substations.

He gained his experience mostly by testing the protection and control IEDs, doing the FATs and SATs, testing the instrument and power transformers, etc., (Europe, Middle East, and North Africa).

9:25am



Magnus Andrae
Sales Director
Seibu Giken DST

9:50am



Mark Kendall
General Manager
Fike (FST)

10:15am



Vedran Mulic
Regional Sales Manager
DV Power on behalf of Drallim



Topic: On-shoring battery pack manufacturing

David spent 10 years developing the battery engineering team at Jaguar Land Rover before joining Danecca in 2018. He's a mechanical engineer who has designed and tested battery packs for many end uses, working with customers and suppliers across the world.

10:40am



David White
Battery Engineering Leader
Danecca



Topic: Predicting and Optimising Battery Performance and Lifetimes

Mr Kemp has over 30 years of experience in engineering simulation, optimization and data analysis. He has developed and applied novel and disruptive new processes and workflows across the engineering industry to model, validate and optimize complex safety-critical systems: always with an emphasis on making the technology accessible to a wider audience.

11:05am



Martin Kemp
Northern Region Manager
Altair

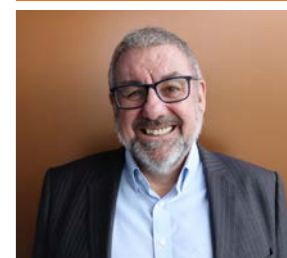


Topic: Opportunities and lessons learnt in battery manufacturing scale-up

Andrew Britton is Business Development Manager for the UK Battery Industrialisation Centre (UKBIC), with responsibility for Module and Pack line, and training.

Andrew has extensive experience of business development of products and services in the automotive and industrial equipment sectors, as well as working with technology developers looking to bring their innovative products to market.

11:30am



Andrew Britton
Business Development Manager
UKBIC



Topic: CHT's World Class Silicone Elastomers For The Ev Sector.

Ian has been the Northern UK Sales Manager for CHT's silicone elastomer division since 2017, he also manages the Scandinavian sector for the business.

Prior to that, Ian worked for a dispensing company for over 7 years, liaising with material manufacturers and end users to find the best dispensing solution for epoxy, polyurethane, silicone, and methacrylate applications. He has also recently taken on the role as the Supervisor of Distributor's in EMEA.

During his talk Ian will be showcasing CHT's world class e-mobility range of silicones, which includes thermal transfer, self-blowing foam, and lightweight products.



Topic: Long duration battery energy storage to meet the rapidly growing UK market needs.

A qualified and experienced Chemical Engineer and senior leader. With a deep interest in Clean Tech I'm passionate about having a positive impact for future sustainability. I thrive leading early-stage companies, major programmes and building high performing teams. Currently serving as COO of Nidec Energy, a pioneer in long duration energy storage solutions. Previous roles include Northvolt and Britishvolt in cell manufacturing as well as SaaS business CEO and a broad experience from the Pharmaceutical industry. Additionally serves as advisor to Clean Tech startups in the battery industry. Committed to sustainability and impact businesses to decarbonise the world.



Topic: Battery production – Automated quality assurance along the entire line

After studying physics at the Heinrich Heine University (Düsseldorf) in the Institute for Laser and Plasma Physics, followed by a PhD and accompanying basic research at the university, Dr. Fabian Gaußmann worked for 3 years at the Fraunhofer Institute in cooperation with the RWTH Aachen.

Meanwhile, the Düsseldorf-based physicist has become well known in the field of industrial laser technology development:

For 6 years, he was head of R&D at a world-leading manufacturer of optics and beam shaping solutions and a pioneer of advanced photonic manufacturing processes.

Since 2022, Dr. Fabian Gaußmann successfully contributes his profound knowledge and qualifications in laser industry, semiconductor manufacturing, automotive, metrology, plastics processing and medical technology as well as his international experience to his new employer OptiSense, Gesellschaft für Optische Prozessmesstechnik mbH & Co. KG.

11:55am



Ian Taylor
Northern Area
Sales Manager
Material Solutions
CHT UK Bridgwater Ltd

12:20pm



Lina Emilsson
Quality Director
Nidec Energy

1:10pm



Nico Janssen
Sales & Business
Development
Manager
OptiSense



Topic: Taking the next step to electrify mobility with polycarbonates

Steven Daelemans, a seasoned material engineer specializing in polymers and composites, boasts a robust academic foundation from the University of Leuven and IKV Aachen. With extensive experience at Bayer and LANXESS, he excelled in guiding customers across diverse sectors, notably automotive OEMs like Volvo and Toyota. At Covestro, Steven focused on developing polymer solutions for the burgeoning battery industry in Europe, enhancing safety and scalability. Passionate about industry advancement, he actively engages in conferences and seminars, leveraging his analytical prowess to tackle challenges. Steven's expertise and problem-solving acumen render him a valuable asset in the polymer sector.



Topic: Optimizing battery life and performance: A unique approach to cost reduction and early design with a unique swelling performance tool

Drawing on 20 years of experience and collaboration with major OEMs, the speaker will showcase how this tool has become indispensable for some of the most renowned OEMs in the British market according to their feedback. Additionally, hofer powertrain has perfected and accelerated the processes in the last years, showing how the industry can achieve maximum cost savings, reduced development phases, and reliable early-stage results.

This speech promises to illuminate the path forward for automotive engineers and designers in their pursuit to achieve groundbreaking advancements in EV powertrain development.



Topic: SiC and Si Based Semiconductors for EV Charging Circuits

Chris Likely is the founder and Managing Director at LMA Technology, an independent sales representation company focused on discrete semiconductor and passive electronic components. He is a graduate electronics engineer with over 10 years of power supply design experience, after which he joined Eaton - Electronics Division as an FAE. Progressing to roles as a Global Product Manager and Regional Sales Manager before leaving to establish LMA Technology.

LMA Technology has been partnered with Diotec in the UK since January 2023.

1:35pm



Steven Daelemans
Market development
manager battery
packaging
Covestro

2:00pm



Sebastian Brückmann
Head of Battery
Engineering
hofer powertrain GmbH

2:25pm



Chris Likely
Business Development
Manager
Diotec

Exhibitors



Accelonix
www.accelonix.co.uk

Hall 3 Stand C.08

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.



Advanced Propulsion Centre UK
www.apcuk.co.uk

Hall 2 Stand B.23

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.



Advanced Test Equipment
www.atecorp.com

Hall 3 Stand C.07

Advanced Test Equipment Corp. (ATEC) is a leader in test equipment rentals, sales, and service. Since 1981, test engineers have relied on ATEC for its broad inventory, quick shipping, and customer care. ATEC carries EMC, Power Supplies & Loads, RF Safety, Electrical, NDT, Environmental, Communications, and General Purpose equipment.



Alexander Battery Technologies
www.alexandertechnologies.com

Hall 2 Stand B.42

UK-based Alexander Battery Technologies leads in the design and manufacture of custom battery packs.

With 40 years experience and using Tier 1 suppliers, we design, manufacture, test and package custom lithium-ion battery packs in the UK, with multiple projects for EVs, robotics, medical and traditional handheld applications.

Our new Battery Technology Centre, in the north-east of England, has 12 R&D labs with 5 high-power labs for projects up to 800V and our new site in Frankfurt, Germany has boosted service capacity.

We're ready and eager to support your battery demands – please get in touch if you want to know more.



Alphatech Limited
www.alphatech.co.uk

Hall 1 Stand A.23

Alphatech is your Trusted Supplier for the Sale, Hire and Service of Environmental Chambers, Climatic Chambers, Vibration Shakers and Controllers.

Alphatech are Aralab's distributor and service provider for environmental chambers that provide a controlled environment, emulating the diverse temperature and humidity conditions that batteries may encounter throughout their lifecycle. As such, we offer an optimized range of battery testing solutions in line with the EUCAR hazard levels; ensuring safe, reliable, and hassle-free testing for energy storage systems.

We provide both standard and tailor-made solutions, putting an emphasis on planning and creating individual systems that adhere to your specific application needs.



Altair
www.altair.com

Hall 3 Stand C.15

Altair is a leading provider of enterprise-class engineering software enabling innovation, reduced development times, and lower costs from concept design to in-service operation. Our simulation-driven approach to innovation is powered by our integrated suite of software which optimizes design performance across multiple disciplines encompassing structures, motion, fluids, thermal management, electromagnetics, system modelling and embedded systems. Altair's simulation solutions for batteries can analyse and optimise thermal management at the individual cell, module and full pack levels; as well as assess the pack for a full range of crash and impact scenarios to enable the development of safer products.

Exhibitors



Alvatek Limited
www.alvatek.co.uk

Hall 3 Stand C.09

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.



Angstrom Technology
www.angstromtechnology.co.uk

Hall 3 Stand C.32

Angstrom Technology are the UK & Europe's leading full-solution provider, for the supply, operation and maintenance of cleanrooms and critical environments.

Offering services of cleanroom design & build, validation and maintenance, cleanroom training, particle counter calibration and consumables and equipment services, Angstrom Technology provides lifecycle solutions and contamination control way beyond the commissioning of a cleanroom.

With a diverse portfolio of cleanroom solutions, from custom-built ISO and GMP classified environments to laboratories and dry rooms with stringent temperature and humidity parameters, Angstrom Technology is a market leader in precision engineering, contamination control and cleanroom expertise.



Anton Paar (UK) Ltd
www.anton-paar.com/uk-en

Hall 2 Stand B.39

Anton Paar develops, produces and distributes highly accurate laboratory instruments and process measuring systems, and provides custom-tailored automation and robotic solutions.

It is the world leader in the measurement of density, concentration and CO₂ and in the field of rheometry.

Other areas of specialty are: Microwave Synthesis and Synthetic Chemistry, Viscometry, Polarimetry, Microwave Sample Preparation, Chemical Surface and Nanostructure Analysis.

Anton Paar GmbH is owned by the charitable Santner Foundation and was established in Austria in 1922 and now has 35 sales subsidiaries worldwide.



APC Technology Group Ltd
www.apctech.com

Hall 2 Stand B.09

Providing the design, specification and distribution of specialist electronic components and systems, property technologies, and connectivity products.

Our specialist teams help UK OEMs, CEMs and organisations looking to take advantage of the latest technologies to produce better equipment, improve efficiency and achieve superior performance.

- Test and measurement equipment:
Includes precision power supplies, sources and loads.
- Embedded computing and displays:
Products and peripherals for industrial and harsh environments.
- Component sourcing solutions
For hard to find, end of life and obsolete components needs.
- Connectors, cable and cable glands:
Single/hybrid cable and connector technologies.



Applied Thermal Control
www.app-therm.com

Hall 1 Stand A.20a

The battery technology industry has been rapidly expanding in recent years, with the demand for batteries for electric vehicles and renewable energy storage increasing. With the growing need for temperature control in battery manufacturing and testing processes, process cooling equipment has become an essential tool to this industry.

ATC is a leading manufacturer and supplier of high-quality equipment designed to provide efficient and reliable temperature control for a range of industrial applications, with the ability to both cool and heat process fluids. ATC have gained experience within this industry and have successfully delivered projects the UK, Europe, and the US.



Arbin Instruments
www.arbin.com

Hall 2 Stand B.21

Arbin is a leading global supplier of multi-channeled 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



Arranged BV **www.arranged.be**

Hall 3 Stand C.30

Arranged BV is an internationally active filter and filtration process technology provider specialized in coatings.

In recent years, the focus has been on the rapidly growing market of digital printing technologies, where we have realized significant successes.

Now, based on our decades of experience in the filtration of coatings (e.g. offset printing plates), we can assist and supply battery manufacturers, with products to improve their production yields.

Our filtration solutions contribute to the efficient implementation of complex and quality-critical filtration processes in anode/cathode production as well as in the laboratory. We achieve this by means of customized filtration concepts.

The product portfolio includes filters, filter housings, laboratory filter systems, up to fully automated process-controlled filtration systems.

Arranged BV – Meremweg 37C – 3740 Bilzen – Belgium
T +32 89 656321 / info@arranged.be



Asecos **www.asecos.com**

Hall 3 Stand C.28

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.



Asgard Cleanrooms **www.asgardcleanrooms.com**

Hall 3 Stand C.01

Asgard Hi-Tech Solutions are experienced, trusted design and construction partners for General Battery Manufacturing turnkey facility fitout within UK, EMEA and North America.

We understand manufacturing needs to take place in ultra-low humidity dry rooms, even in R&D labs or large-scale production facilities. We can assist in feasibility or conceptual project development; this can be undertaken under a PCSA. During design, we can assist with value engineering in conjunction with a multidisciplinary design team for all Battery Manufacturing Facilities.

Asgard has delivered complex projects involving the following process: R&D Labs, Pilot scale plants, Test chambers, mixing anode & cathode calendaring & Slitting Drying Cell Assembly Labs Packaging.

We have developed solutions for dry rooms to maintain dew point of -50°C and 60°C, RH ranging from as low as 0.5%, including fire compartmentation up to 120 minutes. We understand your classification requirements ranging for Class 1,000 – 100,000 (ISO 6-8).



Avantor **uk.vwr.com/store**

Hall 1 Stand A.24

Avantor® is a leading global provider of mission-critical products and services to customers in the biopharma, healthcare, education & government, and advanced technologies & applied materials industries.

We offer a broad offering of products and solutions for players active in the battery industry for each of their mission-critical workflows:

- Mining & refining of battery metals
- Production of battery materials
- Production of battery components
- Battery cell, module & pack assembly
- Battery R&D, QA/QC and Testing
- Battery recycling

Our full range of products and services can be seen online: <https://uk.vwr.com/store/>

And, specifically for the Advanced Battery Market, a detailed overview can be found here: https://uk.vwr.com/cms/battery_technology



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

Hall 3 Stand C.19a

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.

BINDER is committed to a sustainable future with the largest photovoltaic system in the district of Tuttlingen, energy-efficient production halls, geothermal heating, ISO certifications and has been awarded the EcoVadis Bronze Medal.



BSI Group **www.bsigroup.com**

Hall 2 Stand B.27

BSI works as a trusted, independent convenor of communities to shape, share, embed, and support innovation in Battery and Battery Storage Systems and the safe and reliable use of batteries and goods containing batteries.

Through our community of experts and organizations, BSI is at the forefront of shaping new opportunities and creating industry-led best practices for battery safety and performance verification. That's why we're best placed to help you embed trust and confidence in your products. Working with over 84,000 clients across 193 countries, BSI is a truly international business with skills and experience across several sectors including automotive, aerospace, built environment, food, and healthcare.

Exhibitors



Caltest Instruments Ltd **www.caltest.co.uk**

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.

Hall 2 Stand B.10



Cambustion CamMotive **www.cambustion.com**

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.

Hall 1 Stand A.11



Camfil **www.camfil.com**

Camfil is a global leader in the provision of air filtration solutions that combine clean air with energy efficiency in a sustainable and profitable way. With a global presence including 30 manufacturing sites and 6 R&D sites, Camfil are supporting the battery industry up to and including giga scale on a global basis with a unique solution that represents a paradigm shift in approach to ventilation and the control of contamination within battery facilities. Providing energy-efficient, high-yield, safe and flexible manufacturing capabilities for customers is our purpose.

Hall 3 Stand C.26



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 and Hot bar bonding.

Our services include providing product design recommendations, micro joining process advice, sample testing, equipment recommendations and sales, training and after sales, service support.

Drop by our stand to see some of the latest technology in micro-joining and discuss your application in detail.

Hall 2 Stand B.08



Celltris **www.celltris.com**

Better, lighter, cheaper – Celltris is on a mission to reimagine lithium-ion cell design. Celltris reduces the cost of lithium-ion cells through improved cell design. Working from their development centre in central Bristol, they prototype new cells and components to unlock the next generation of cell designs available for license.

The team at Celltris led by founders Sam Alexander and Ian Hunt have over 2 decades' experience developing lithium-ion batteries and can support cell design and prototyping projects, any chemistry, any form factor, any specification.

Hall 1 Stand A.07



CentraTEQ **www.centrateq.com**

CentraTEQ are specialists in Vibration Test and Product Test supplying quality test systems for vibration, package, shock and bump testing. We offer equipment from a variety of suppliers enabling us to put together turnkey test solutions to meet even the lightest of budgets without compromising on quality. Whatever your requirements in this field, we can work with you to achieve your goals. We can assist you at every stage of the process; from setting a specification for your test equipment, sourcing, planning the room and services, to delivery, unloading, installation and commissioning.

Hall 2 Stand B.17

Exhibitors



Chroma ATE Europe
www.chromaate.com/eu

Hall 3 Stand C.23

Founded in 1984, Chroma ATE Inc. is a world-leading supplier of precision Test and Measurement Instrumentation, Automated Test Systems, Manufacturing Execution Systems, and Turnkey Test & Automation Solutions marketed globally under the brand name "Chroma".



CHT UK Bridgwater Ltd
www.cht-silicones.com

Hall 3 Stand C.27

CHT is a global producer of speciality silicone elastomers.

Our Silicone chemistry is used within automotive applications due to its inherent physical properties including, a wide operating temperature range, electrical insulation, high dielectric strength, low coefficient of thermal expansion and resistance to moisture and chemicals.

CHT silicone foam with flame retardant properties can be used to mitigate a thermal runaway event and reduce weight overall.

Electric & Hybrid Vehicles need protection and better heat dissipation to maintain performance and life span. CHT Use new filler technologies combined with formulating techniques to increase thermal conductivity across a range of silicone materials.



CN Technical Services Limited
www.cntech.co.uk

Hall 3 Stand C.19d

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.



Cognition Energy Ltd
www.cognition.energy

Hall 3 Stand C.17b

Cognition Energy is committed to world-class cell testing, enabling the delivery of safer and more reliable batteries, quickly. Cognition Energy has over 600 channels in its test facility, including over 80 high power channels, making it the second largest in the UK. We also produce CellPods, our patent pending individual thermal chambers, making testing more accurate, flexible and safer.



COMSOL
www.comsol.com

Hall 3 Stand C.34

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.



Cosworth
www.cosworth.com

Hall 2 Stand B.31

Cosworth is a global technology business with six decades of engineering experience that delivers propulsion, electronics and software solutions for customer in the automotive, aerospace and marine sectors. Whether through hybrid or EV propulsion, data connectivity or automation technology, Cosworth is ready to solve new challenges with mobility solutions of the future. No matter the complexity of the project, Cosworth has the ability to, design, develop and manufacture clean sheet solutions from its state-of-the-art facilities.

Exhibitors



Hall 3 Stand C.06

CVMS °Climatic www.cvmsclimatic.com

CVMS °Climatic design, build, and supply Environmental Test Equipment that simulates environmental effects such as temperature, humidity, low pressure (altitude), solar radiation, rainfall, dust, pollution, corrosive atmospheres, vibration, and shock. New designs aimed at the renewable energy and storage industries (including PV panels and Batteries) with all the associated safety systems such as gas detection and fire suppression are now available.

Along with a wide range of equipment comes a wealth of knowledge and expertise. Specialists in all aspects of environmental testing, as well as combined testing, such as simultaneous vibration and temperature cycling are at your disposal.



Hall 3 Stand C.17a

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.



Department for
Business & Trade

Hall 2 Stand B.02

Department for Business and Trade www.gov.uk/government/organisations/office-for-product-safety-and-standards

The Office for Product Safety and Standards is the UK's national product regulator, within the Department for Business and Trade (DBT). Our purpose is to protect people and places from product-related harm, enabling trade and growth by ensuring consumers and businesses can buy and sell products with confidence.

Created in 2018, we are responsible for the regulation of most consumer goods excluding food, medicines, and vehicles.

We apply regulations across the product lifecycle from design, accreditation and manufacture through to labelling, supply, end use and safe disposal.

Our policy responsibilities cover product safety, legal metrology, standards and accreditation and hallmarking.



Hall 3 Stand C.18

DST Humidity Control & Newsome www.newsome.ltd.uk

Newsome has extensive engineering experience and a thorough knowledge of all aspects of process temperature control and HVAC solutions.

For over 50 years, the Newsome team has provided unique and unbiased insight into an extensive range of temperature and humidity control products, specialising in providing the chillers and ambient coolers, industrial dehumidifiers, HVAC, and refrigeration systems you need.

Our client base includes many well-known companies such as A-Safe, Meadowhall, BASF, Nestle, McVities, and Greencore.

Whether your requirement is for sales, service, or hire, Newsome is your trusted temperature and humidity control partner.



Exhibitors



Digatron Group
www.digatron.com

Hall 3 Stand C.19b

Digatron is an international group of companies with headquarters in Aachen (DE), and global manufacturing facilities in USA, India & Italy. Our core purpose has always been energizing the battery world with our advanced turn-key power electronic solutions. Since over half a century, we have grown continuously and have become the recognized partner of the leading battery and automotive industry internationally. We offer equipment, systems and devices for the production, testing and development of power storage and batteries of any technology such as lithium, lead, NiMH, NaS, and of any size, from the single cell, 12V starter battery to the 800kW lithium module of an electric vehicle.



Diotec Semiconductor AG
www.diotec.com

Hall 3 Stand C.17c

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.



DV Power | Drallim Industries Limited
www.dv-power.com



Hall 3 Stand C.33

DV Power, with headquarters in Stockholm (Sweden), has since 2000 developed radically light and ingenious test solutions for batteries, transformers, and circuit breakers. Today DV Power products are sold worldwide – in over 100 countries.

Our clients are electric utilities, transmission and distribution companies, manufacturers, as well as service companies.

Our success is solely based on extensive research, development, and fast commercial applications.

DV Power has a rising presence on the world market, with over 80 representatives and distributors worldwide, such as Drallim Industries Ltd. (Utilities Division) who are in charge of the UK and Ireland territory.



DÜPERTHAL Sicherheitstechnik GmbH & Co. KG
www.dbcscientific.com

Hall 1 Stand A.28

DÜPERTHAL Sicherheitstechnik is the leading Global manufacturer of Hazardous safe storage products and solutions.

Founded in 1977, we are proud to showcase our BATTERY LINE safe charging and storage solutions designed and manufactured to meet EN-14470-1 and EN-1363-1 safety standards, ensuring the highest level of compliance and safety for your workplace and colleagues.

Partnering with DBC Scientific in the UK, our team of experts will be happy to guide you to the best solution for your safe storage requirements. We are committed to providing our customers with highest quality products and exceptional customer care for the lifetime of your investment.



Ekoenergetyka – Polska S.A.
www.ekoenergetyka.com

Hall 1 Stand A.18

Driven by innovation and powered by desire to reduce transport emissions, we develop and produce high power charging solutions for electric passenger cars, buses and HD vehicles.



EV INFRASTRUCTURE EXPO



Erwin Quarder Systemtechnik GmbH
www.quarder.de

Hall 2 Stand B.06

Erwin Quarder Systemtechnik is an independent family business founded in 1971. Our business is international in a global economy. Our focus is on e-mobility, hybrid plastic components, high-precision plastic parts (including inserts and 2-shot molding) and sensors. EQ is a development partner for customers from the automotive sector and other industries. We have our own tool shop and the ability to build the necessary automation lines ourselves. We supply all measures required for production from a single source. Erwin Quarder Systemtechnik has QA-certified locations in all major regions of the world, for the European, Asian and NAFTA markets.

Exhibitors



EVERA Recruitment
www.everarecruitment.com

Europe's only dedicated Battery, EV & Gigafactory Recruitment Company.

Hall 3 Stand C.12



Fike
www.fike.com

Fike is a global industrial safety solutions provider dedicated to ensuring workers return home every day to their families. We offer world-class consultancy services for industrial processes facing fire, explosion or pressure-related hazards, and manufacture, test, design, install and commission reliable protection systems to meet regulatory requirements and keep workers safe.

Since 1945 Fike has continued to innovate its safety offerings. With the growing need for the protection of battery hazards, Fike has dedicated countless resources to developing the world's first third-party tested and patented solution that suppresses thermal runaway – Fike Blue.

Hall 3 Stand C.19c



Firechief Global
www.firechiefglobal.com

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.

Hall 2 Stand B.16

FirePro. **FirePro**
www.firepro.com

Hall 3 Stand C.20

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. Visit and learn more at stand C20.



Fisair UK Ltd
www.fisair.com

Hall 2 Stand B.38

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.



FMG Electronics Ltd
www.fmgelectronics.co.uk

Hall 1 Stand A.13

FMG ELECTRONICS has been serving the electronics industry for over 30 years. This experience has allowed FMG to focus on key products. Battery technology is one such product. By teaming up with Teviot Technology, FMG can offer best in class battery manufacturing technology. Not just careful selection of cells but more importantly the inclusion of proper reliable Battery Management Systems – which do not fail! FMG can provide custom Lithium Ion battery packs for your unique application and can be constructed with features to fit your projects exact specifications.

Exhibitors



Hall 2 Stand B.13

Fujipoly www.fujipoly.eu

We are leaders in the design, formulation and production of high-performance Thermal Interface Materials, Elastomeric Connectors and Custom Silicone Extrusions. Operating a global network of 9 manufacturing and distribution centres to deliver you unprecedented product performance and dependability. You can be assured that you have the experts working with you on your design, either directly from Fujipoly or through our Distributer network of highly trained technical specialists. Fujipoly aim to cover all your Thermal Interface Material needs. Please visit our stand for all our latest innovative products the likes of EM Wave absorption and a new 40W/M-K dissipation product.



Hall 2 Stand B.25a

Gasmeter Technologies UK (Ltd) www.gasmet.com

Understanding thermal runaway and off-gassing is crucial to development in the battery sector. At Gasmeter we design and manufacture world-class gas analysis systems and emission monitoring solutions for a variety of processes including battery related gas detection.

With the large amount of gases of interest within battery testing, our FTIR portable analysers can detect 50 gases at any one time from NO_x, ammonia, hydrogen chloride, formaldehyde and carbonates in both ambient and hot environments.

Come and talk to us about how Gasmeter can support your research and development in this field.



Hall 3 Stand C.22

H.E.L. Group www.helgroup.com

H.E.L. develops and manufactures innovative scientific instruments and software designed to optimize the efficiency, safety, and productivity of key processes in chemistry, safety and biology applications.

We have a long heritage in thermal safety and hazard evaluation, with a team of 90 including highly skilled process and software engineers, based at our extensive research and manufacturing facilities in the UK.

Specializing in adiabatic and isothermal calorimeters for abusive and non-abusive battery testing these are perfect for hazard screening, safety testing and performance characterization.

Let H.E.L. Group can help you gain vital insights into battery behavior.



Hall 1 Stand A.29

Hamamatsu Photonics UK Limited www.hamamatsu.com

Hamamatsu Photonics is a world-leading manufacturer of optoelectronic components and systems. The Company's corporate philosophy stresses the advancement of photonics through extensive research and yields products that are regarded as state-of-the-art. All products are designed to cover the entire optical spectrum and provide solutions for a wide variety of applications including analytical, consumer, industrial and medical instrumentation. On display will be our T-SMILS product which is changing the way lasers process plastic and composite materials along with our range of "X-ray Imaging" components, which include a wide variety of technologies Microfocus X-ray sources and high resolution scintillators.



Hall 1 Stand A.09

Henniker Plasma www.plasmatreatment.co.uk

Henniker Plasma are a leading UK manufacturer of plasma surface treatment equipment for cleaning, bonding and nanoscale functional coatings. Our range of batch and in-line plasma devices are used to clean critical contacts before wire bonding, to enable reliable bonding, sealing and potting of various non-polar engineering polymers such as PEEK, and to apply hydrophilic and hydrophobic nanocoatings. Visit us at Hall 1 A.09.



Hall 3 Stand C.21

Hepco Motion www.hepcotion.com

HepcoMotion, world-leading manufacturer of linear motion systems and automation components, will be showcasing how its products meets practically any requirement from track systems for robot automation, to heavy duty systems, to a host of small components to perform simple or complex operations.

Products include GFX Hepco Guidance System for Beckhoff XTS (eXtended Transport System), utilising Hepco's PRT2 and 1-Trak guidance systems to work with Beckhoff's XTS circuit linear system.

Responding to market demand, HepcoMotion is expanding its range of guidance solutions for Beckhoff's XTS with the new GFX-r; a system providing movement in rectangular paths.

Visit our stand and www.hepcotion.com for more information.

Exhibitors



Hiden Analytical
www.hidenanalytical.com

Hall 3 Stand C.16

Hiden 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, Hiden have developed a range of analytical mass spectrometers that address the most advanced and demanding applications.



HORIBA
www.horiba.com

Hall 1 Stand A.01

HORIBA provides a diverse portfolio of test and analysis technologies for electrolysis, carbon utilisation, fuel cells, and battery life cycles, supporting the transition to a carbon-neutral future. In an ever-changing landscape, and with the development of new and improved emission-free transportation, HORIBA strives to offer reliable and innovative solutions for quality control analysis, battery materials processing, research and development, as well as the manufacture of next generation battery technology.



HV Wooding
www.hvwooding.co.uk

Hall 3 Stand C.25

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
www.hylomar.com/en

Hall 2 Stand B.14

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/photonics, and general engineering.

Hylomar products are widely used and respected in the automotive, aerospace, and industrial aftermarket 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.



Hyonic Ltd
www.hyonic.co.uk

Hall 1 Stand A.04

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



Inseto UK Limited
www.inseto.co.uk

Hall 2 Stand B.19

Inseto will be showcasing our wirebonding capabilities plus a range of adhesives suitable for use in the manufacture of battery-packs and modules.

We are the exclusive distributor for Kulicke & Soffa (K&S), a leading manufacturer of automatic wire bonding equipment.

The K&S family of "Asterion" wire bonders is available with bonding areas up to 760x1440mm, for small through large battery pack designs.

We're also the exclusive agent for DELO's range of adhesives for batteries. For example, we can supply adhesives for heatsink and housing bonding, weld sealing and enclosure gasketing.

Visit our stand to learn about wirebonding and adhesives for battery-packs.

Exhibitors



LAUDA Technology Ltd
www.lauda-technology.co.uk

Hall 1 Stand A.10

LAUDA is the global leader in the manufacture of innovative temperature control equipment and systems for science, application technology and R&D. With over 60 years experience, LAUDA has been providing solutions into the automotive sector and has seen a rapid growth in sales accompanying the expansion in new technologies, especially testing and temperature simulation in battery cells, dyno-rigs, climate chambers, fuels and also motors. LAUDA offers a wide temperature range from -150 degC to +550 degC.



Lithium Battery Recycling Solutions
www.lithiumbatteryrecycling.co.uk

Hall 2 Stand B.25d

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.



Lohmann Technologies Ltd
www.lohmann-tapes.com/de/ev-batterien__1722

Hall 2 Stand B.40

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.



Maccor/Cellcare
www.cellcare.com

Hall 2 Stand B.34

Maccor was founded in 1986 by a group of electronics and software engineers with experience in the battery industry. Our goal then was to build the finest test equipment available, and to support it comprehensively. This continues to be our goal and our only business today, after over 30 years in operation.

We have thousands of systems in operation, in over 50 countries worldwide. Maccor remains independent, and continues to be operated by the company founders. We are located in company owned facilities in Tulsa, USA. With European Customer service and support based in Market Harborough Leicestershire.



Materials Direct
www.materials-direct.com

Hall 1 Stand A.14

Materials-Direct is a global platform for sourcing, procuring and customising technical materials for any production ready parts within product manufacturing.

This includes, Thermal Pads, Gaskets, Electrical Isolation films, Light diffusers, Plastics, EMI Shielding, Fire protection, Tapes and Adhesives + More. 1000+ Products!

24 Hour Shipping with machining accuracy of +/-0.01.

Benefit from our free material sourcing team by requesting material and then follow the easy 4 step process to order your parts.

No wait for quotes, no lead times, no back and forth. Just 4 easy steps!

Mass production to R&D prototyping. No MOQ!

Materials Direct – The Custom Part Experts



Micro-Epsilon UK Ltd
www.micro-epsilon.co.uk

Hall 1 Stand A.20b

Micro-Epsilon is an innovative company that develops and manufactures high performance measurement sensors and systems for displacement, thickness, temperature and colour measurement tasks.

In the field of battery cell production we are solving multiple applications including inline thickness of cathode and anode coated materials, roller gap and coated edge control. In the cell assembly we conduct thermal monitoring and expansion checks plus correct orientation and dimensional checks.

For further information you can visit us on stand A.20b in Hall 1, or contact us by email info@micro-epsilon.co.uk or find out more on our website <https://www.micro-epsilon.co.uk/applications/industries/battery-production/>

Exhibitors



Monmouth
Scientific

Monmouth Scientific Limited
www.monmouthscientific.co.uk

Monmouth Scientific's Modular Cleanrooms offer cutting-edge solutions tailored for the dynamic Battery Tech sector. Engineered with precision, these cleanrooms provide a controlled environment crucial for battery manufacturing processes, ensuring optimal performance and safety. Their modular design offers flexibility to adapt to varying spatial requirements and evolving technological needs.

Equipped with advanced filtration systems, these cleanrooms effectively eliminate contaminants, safeguarding the integrity of battery production. Monmouth Scientific's commitment to quality and innovation makes them a trusted partner for companies in the Battery Tech sector, facilitating efficient production workflows and upholding stringent industry standards.

Hall 1 Stand A.20a



Munters

Munters
www.munters.com

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.

Hall 3 Stand C.13 - C.14



Nano Electronic Services Ltd
www.nanoelectronicservices.com

Offering a range of Electronics Design and PCB Assembly solutions. From rapid prototyping through to box build. Working with a network of audited suppliers, we have access to over 20 fully audited suppliers, from a single point of contact. Saving customers time and aggravation. By matching the project to the factory reduces compromise and ensures the build is in the best place for manufacture. With our NanoNRE guarantee means that there is only ever one tooling charge, offering maximum flexibility to migrate from prototyping to production. With full transparency and no middleman fee it's a service offering built for today.

Hall 3 Stand C.29



nicab
Specialists in cable assembly

Nicab Ltd
www.nicab.co.uk

We are here for all your cable assembly needs this is so you do not have to busy your workshop with cable assembly that you may not have the tools for. There is no cable to big or small for us here at Nicab. We also have no minimum order quantity or value so we can assist you with samples.

Hall 2 Stand B.33



NIKON METROLOGY
industry.nikon.com/en-gb/products/x-ray-ct/

Nikon's cutting-edge X-ray and CT systems empower customers with powerful 3D imaging for component analysis to meet immediate business needs and uncover new opportunities. Innovative in-house microfocus X-ray sources up to 450 kV enable detailed visualisation from tiny connectors to large castings. Nikon's X-ray and CT solutions provide the insights and efficiency gains manufacturers seek, and flexible automation supports precise quality control across R&D, failure analysis, and manufacturing. With exceptional scan volume, resolution, and speed paired with unparalleled image quality and repeatability, Nikon's systems reveal customer parts in new ways.

Hall 2 Stand B.37



Norgren
www.norgren.com

Norgren is a world leader in fluid and motion control and has a long-standing engineering heritage spanning more than 90 years. This, together with our commitment to close customer collaboration, is seeing us spearhead bespoke innovation for sustainable automation solutions to tackle the complex production challenges over the short, medium, and long term.

From a range of wide-ranging products that enjoys a compelling industry reputation, to a service-first ethos to be relied upon, as well as technical expertise capable of unearthing answers for the most difficult manufacturing challenges, Norgren is the partner of choice for today, and into a connected future.

Hall 2 Stand B.07

Exhibitors



Hall 2 Stand B.05

Oerlikon Metco UK limited and Oerlikon Balzers 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 1 Stand A.16

OSCO Ltd www.osco.uk.com

OSCO supports Customers with High Voltage Automotive Power Cables, Modular High Voltage Distribution Units, Cable Harness Assemblies, Litz Wire, EMI Shielding Solutions and Thermal Management Materials to OEMs and Suppliers of EV Systems (land, water, or air) and Motor Powertrain Technologies. Partnered with Huber+Suhner, OSCO's HV cables (screened, unshielded, single core and multi-core) are tested and approved to Industry Standards and available in stock for a quick turnaround for prototypes and production. Additional in-house capabilities include Inductors, Tooth Segment / Coil Winding, Connector Terminations, Litz Wire Enamel Removal and Material Cutting.



Hall 2 Stand B.29

Oxford Instruments Nanotechnology Tools Limited 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.29.



Hall 1 Stand A.12

Phoenix Safe Company www.phoenixsafe.co.uk

Phoenix Safe Company are excited to exhibit at the Battery Tech Expo 2024. In an era where battery technology advances rapidly, ensuring safety is paramount. Our commitment to innovation extends to safeguarding these advancements. With our cutting-edge battery safes, we offer peace of mind, protecting against hazards like overheating, thermal runaway and short-circuiting. At Phoenix Safe Company, we blend expertise with technology to deliver solutions that empower progress while prioritizing safety. As you explore the expo, we invite you to discover how our battery safes are shaping the future of energy storage. We look forward to meeting you there.



Hall 2 Stand B.26

PI-KEM Ltd www.pi-kem.co.uk

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



Hall 1 Stand A.34

PMT (GB) Ltd www.pmtgb.com

Established in 2001, PMT (GB) Ltd are dedicated to the provision and service of Contamination Monitoring and Control equipment including Aerosol Particle Counters, Liquid and corrosive chemical particle counters, Facility Monitoring Systems, Surface Particle Counters and Ionisation equipment, with ISO17025 Accreditation for Aerosol Particle Counters. We are able to support the customer from initial request, solution design, equipment supply, and full support for maintenance and calibration both on-site and in-house.

Exhibitors



Powdertech Surface Science
www.powdertechsurfacescience.co.uk

Hall 2 Stand B.41

The most technically advanced aluminium powder coating and surface treatment provider in the UK. We design and deliver precision powder coating services for leading-edge manufacturers in EV and other highly regulated sectors.

Our expertise in the refinement of TiZr passivation for aluminium battery tray assembly and dielectric coatings specifically designed to help protect battery systems, is unrivalled.

Not only do we offer a range of services ideally suited to this rapidly emerging sector but we are also at the forefront of designing and evaluating new treatments for lightweight metals through our research partnerships.



Rockfort Engineering Ltd
www.rockfortengineering.com

Hall 2 Stand B.22

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.



SCANTECH S.A.S
www.scantech.com

Hall 2 Stand B.15

Scantech develops and manufactures real-time measurement systems for on-line control of anode and cathode coating processes, battery separator film extrusion, and product defect detection using a range of measurement technologies optimised for the Lithium Ion Battery Industry.



A Schaltbau Brand

Schaltbau - eddicy
www.schaltbau.com

Hall 2 Stand B.11

Schaltbau GmbH Group is a global technology leader providing products and solutions that electrify the world. With our brands Schaltbau and Spii, we have been championing safety on rail for generations. Building on this experience, with our brand Eddicy we also create future-oriented solutions with the highest standards of safety and efficiency to reliably switch and protect DC applications in energy, and e-mobility. Through innovative engineering and unwavering commitment, we deliver cutting edge products such as contactors, connectors, snap-action switches, and other electromechanical components that redefine safety and efficiency in rail, energy, and e-mobility. 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.



Secure Delivery
www.securedelivery.io

Hall 1 Stand A.03

Choose Secure Delivery to fortify your EV charging systems against emerging threats and regulatory challenges, achieving security, compliance, and efficiency.

With a focus on EV charging infrastructure, Secure Delivery leverages the OWASP PSCF to ensure your operations meet the highest security and compliance standards. Our partnerships with Shell Recharge Solutions & BorgWarner demonstrate our expertise in enhancing charge point security. Our targeted coaching programs are designed to address the EV sector's unique regulatory demands, providing your team with the tools for successful, secure software delivery.



EV INFRASTRUCTURE EXPO



Silib
www.si-lib.com

Hall 1 Stand A.06

Silib is developing and scaling up manufacturing of 3D, 100% pure Silicon anodes for Li-ion batteries. By using Silib's anode we can increase Li-ion battery capacity by up to 40% without changing the battery form factor. Our process is simple, fast, cost effective and does not use any precious metals.

Exhibitors



Hall 2 Stand B.24

SiTEST Ltd

www.sitest.co.uk

SiTEST will be showcasing the latest solutions in the 'New energy' Sector from both Dr Schenk, F&K Delvotec & SAFION.

Dr Schenk are one of the World's leading Optical Inspection Companies, pioneering solutions for the latest challenges deriving from Battery Separator Technology. If you are manufacturing Anodes, Cathodes and Separators, ask about our Dr Schenk Inspection systems to help you improve your yield and produce quality battery materials.

F&K Delvotec are focused on to enabling far greater yield Production using Laserbonding techniques with higher gauge material than traditional Ultrasonic Welders.

SAFION produce an All-in-One cell quality assurance system.

We will have a demonstration machine on the booth, bring your cylindrical cells for testing! If you want to reliably produce & test the highest quality connections with cells using cutting edge technology, make sure you visit us at the Stand.



Hall 1 Stand A.02

SMMT

www.smmt.co.uk

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.

WAYS SAFE®

Hall 1 Stand A.05

Solotec Scientific Limited

www.solotec.co.uk

Solotec Scientific are a UK based company who have been designing and manufacturing Waysafe® benchtop safety enclosures since 1991. Our products have been designed and developed to the highest standards.

All our enclosures are individually made to order in the UK by our skilled and experienced team. They are used on a daily basis throughout the UK and also WORLDWIDE.

We manufacture a range of enclosures suitable for operator protection in the electrical testing arena and can build cabinets to the client's exact requirements.



Hall 2 Stand B.28

SPAL

www.spalautomotive.co.uk

SPAL Automotive UK was established in 2009 and is the distribution centre for UK & Ireland. Since its inception, SPAL UK has seen dramatic growth year on year and has recently substantially extended warehousing facilities to meet rising demand.

From its Worcester base, SPAL serves the OEM market and aftermarket across all its core sectors, supplying direct to customers as well as via a network of SPAL Approved Distributors.

Our mission is to develop, design and build the highest quality products for the market. We achieve this by continued focus on innovation, investment in research & development and by closely monitoring all stages of the manufacturing process.



Hall 2 Stand B.35

TA Instruments – Waters LLC

www.tainstruments.com

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.



Hall 2 Stand B.25b

TBAT Innovation Ltd

www.tbat.co.uk

TBAT Innovation Ltd are a value-led independent consultancy with over 20 years' experience working with technology & research and development organisations all over the UK to fund their innovation. Their innovation support services include; Grant Funding, R&D Tax Credits, Video Game Tax Relief, Capital Allowances, SEIS/EIS and Patent Box.

Exhibitors



Techni Measure Ltd
www.technimeasure.co.uk

Hall 2 Stand B.25c

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.



Tekta UK Ltd
www.tektauk.com

Hall 1 Stand A.20c

Tekta are the UK's leading independent door and loading bay specialists for controlled environments. Providing high performance doorways since 2000, the company works exclusively with specialist industries including Pharmaceutical Manufacturing and Precision Manufacturing. Experts in hygiene, airflow and moisture control, Tekta understands the impact of doorways, and doorway management, in controlled manufacturing environments. Built on a strong Service Mindset, Tekta's mission is to, "Make life easy for people who care about their doorways."



Telonic Instrument Ltd
www.telonic.co.uk

Hall 3 Stand C.10 - C.11

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, ETL Pruftechnik, 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.



Telonic
www.telonic.co.uk

Hall 3 Stand C.31

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, ETL Pruftechnik, 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.



Tesla
www.tesla.com/en_gb

Hall 1 Stand A.19

Our mission is to accelerate the world's transition to sustainable energy. We're building a world powered by solar energy, running on batteries and transported by electric vehicles. Explore the most recent impact of our products, people and supply chain.



The Faraday Centre Ltd
www.faradaycentre.co.uk

Hall 2 Stand B20

The Faraday Centre is a privately-owned international training company based in North East England. Upholding over 30 years' experience, we specialise in providing comprehensive high and low voltage electrical safety training either at our purpose-designed facilities or at our clients' sites, in the UK and worldwide.

Our highly experienced, multi-skilled lecturers offer an effective combination of theoretical understanding and practical hands-on learning experiences using industrial equipment to provide engineers with the knowledge and skills required to carry out specialised jobs in a safe way that's in accordance to industry standards.

Exhibitors



Hall 2 Stand B.32

THT: Thermal Hazard Technology www.thermalhazardtechnology.com

Thermal Hazard Technology (THT) is a leading supplier of lithium battery safety testing equipment.

ARC provides an adiabatic testing environment typically leading to full thermal runaway. Thermal abuse, overcharge, controlled-speed nail penetration and short circuit can be carried in the ARC.

IBCx Isothermal Battery Calorimeter for high precision heat measurement during cycling and heat capacity determination. As well as instrumentation, THT offer a commercial sample testing service from their UK laboratory.



Hall 2 Stand B.36

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

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.



Hall 2 Stand B.12

TR Fastenings www.trfastenings.com

TR Fastenings is part of Trifast plc and is an international specialist in the design, engineering, manufacture and distribution of industrial fastenings and Category 'C' components principally to major global assembly industries.

TR is actively working with a number of organisations involved in the design, manufacture and development of Electric Vehicles (EVs), Battery Pack Modules (EVB) and Electric Vehicle Charging Units for both commercial and residential use. As this sector continues to emerge and develop, TR has the capability to supply an extensive product range and the necessary technical knowledge, expertise and experience to support this industry sector.



Hall 1 Stand A.08

Trent Construction Services www.trentcs.com

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!



Hall 2 Stand B.30

Unitemp www.unitemp.co.uk

Unitemp, are an environmental engineering specialist with over 30 years of experience in specifying, supplying, and maintaining a diverse range of environmental test chambers. Their class leading range of ESPEC temperature and humidity chambers, known for quality and innovation reflect the company's commitment to excellence in engineering, design, manufacturing, and service support. As a leading manufacturer, ESPEC provides a wide range of environmental test chambers, that can be customisable to customer requirements and safety standards.



Hall 3 Stand C.24

Universal Science & Materials Direct www.universalscience.com & www.materials-direct.com

We supply leading prestige Car Companies with components used inside Li-Ion Battery packs and Electronic assemblies. Including: Cell carriers, Thermal Management materials, Electrical Insulation, RFI shielding, Environmental Gaskets, Fire protection barriers, Ultra High Temperature Adhesives. Universal Science offers a consultative service whereas www.Materials-Direct.com provides instant on-line pricing and 24 hour turnaround for custom pads and gaskets, no tooling, no min order value or QTY.

Exhibitors



Vacuum Process Solutions
www.vacpro.co.uk

Hall 2 Stand B.01

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.



Vector GB Limited
www.vector.com

Hall 1 Stand A.25

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.



EV INFRASTRUCTURE EXPO



Von Roll France S.A.
www.vonroll.com

Hall 2 Stand B.18

VonRoll is a Swiss multinational company, freshly integrated in Altana group, with a headquarter in Breitenbach (Switzerland).

With around 1000 people on 13 production plants, VonRoll is a world leader for electrical insulation systems.

VonRoll is providing a wide range of technological solutions in Composites, Mica based products and Resins, for Industry, Aerospace, Railway or Automotive markets.

We strongly focused in Automotive market in the past years, developing innovative product ranges in Motor Impregnation resin, Thermal Interface Material and Adhesives for Battery safety.

Always thinking to safer and cleaner products, VonRoll is a strong and reliable partner for all your project developments.



Weiss Technik
www.weiss-technik.co.uk

Hall 1 Stand A.26

Weissttechnik®, a Schunk company, is a world leader in tried and tested environmental test chambers, heat treatment, ovens, bespoke equipment and dry room solutions for industrial and R&D applications, battery manufacturers, and supporting industries. Founded in 1941, we specialise in environmental simulation systems and engineer advanced testing technology for manufacturers and R&D to test battery cells and modules, fuel cells, materials, and components under thermal and mechanical stress. We provide you with the tools and technology to evaluate and increase the level of safety, reliability, and performance of your products.



Wipro PARI GmbH
www.wipropari.com

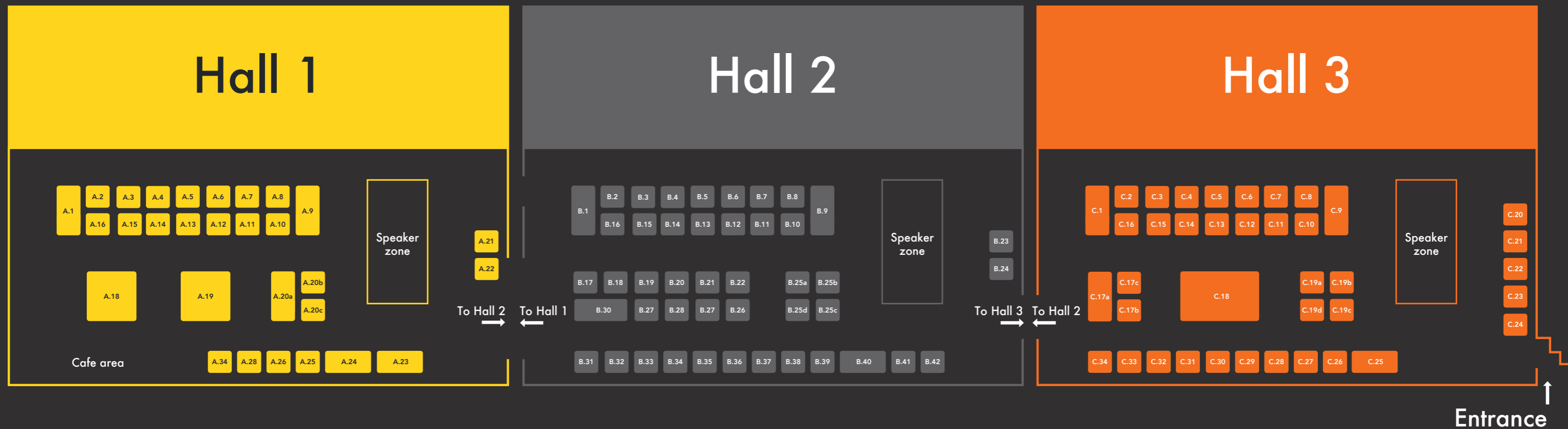
Hall 1 Stand A.15

Wipro PARI established in 1990, has more than 30 years of industrial experience in providing automation, assembly lines and material handling solutions to automotive, Tier-I and Industrial manufacturing sector. Wipro PARI has domain expertise in providing turn key solutions in e drive train assembly like e motor, e transmission, e axle and Battery packs, ICE engine and transmissions. Wipro PARI also provides material handling solutions with Gantry systems and Robots for various industrial applications along with AGV'S and automates storage solutions. Wipro PARI has Global foot prints with Europe head quarter located in Stuttgart and local sales and service support organisation in UK.

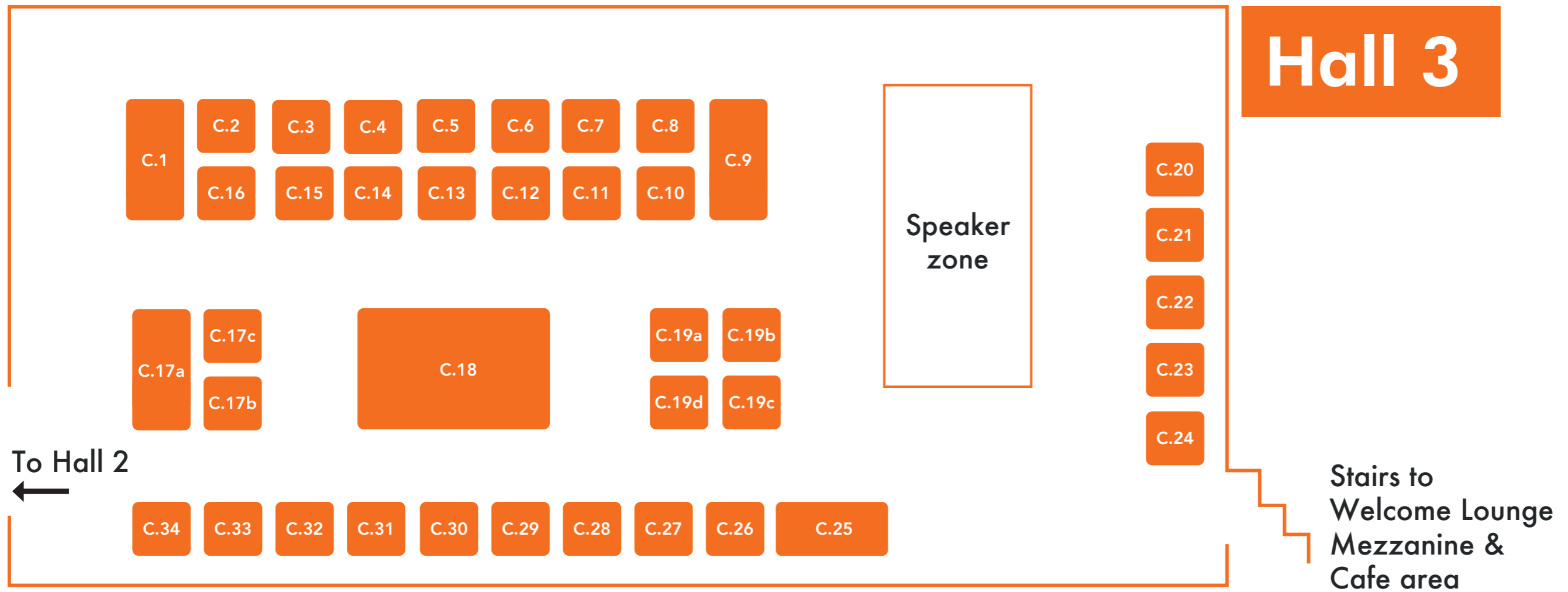
THE FULL SHOW

45 of the UK's leading speakers

Over 100 exhibitors showcasing new technologies and knowledge



The UK's largest technical event for the battery industry



Exhibitor	Stand number
Accelonix	Hall 3 C.08
Advanced Test Equipment	Hall 3 C.07
Altair	Hall 3 C.15
Alvatek Limited	Hall 3 C.09
Angstrom Technology	Hall 3 C.32
Arranged BV	Hall 3 C.30
Asecos	Hall 3 C.28
Asgard Cleanrooms	Hall 3 C.01
Battery Tech Association	Hall 3 C.02
BINDER	Hall 3 C.19a
Camfill	Hall 3 C.26
Chroma ATE Europe	Hall 3 C.23
CHT UK Bridgwater Ltd	Hall 3 C.27
CN Technical Services Limited	Hall 3 C.19d
Cognition Energy Ltd	Hall 3 C.17b
COMSOL	Hall 3 C.34
CVMS ° Climatic	Hall 3 C.06

Exhibitor	Stand number
Danecca Ltd	Hall 3 C.17a
Digatron Group	Hall 3 C.19b
Diotec Semiconductor AG	Hall 3 C.17c
DST Humidity Control & Newsome	Hall 3 C.18
DV Power Drallim Industries Limited	Hall 3 C.33
EVERA Recruitment	Hall 3 C.12
Fike	Hall 3 C.19c
FirePro	Hall 3 C.20
H.E.L Group	Hall 3 C.22
Hepco Motion	Hall 3 C.21
Hidden Analytical	Hall 3 C.16
HV Wooding	Hall 3 C.25
Munters	Hall 3 C.13-C.14
Nano Electronic Services Ltd	Hall 3 C.29
Telonic Instrument Ltd	Hall 3 C.10-C.11
Telsonic	Hall 3 C.31
Universal Science & Materials Direct	Hall 3 C.24

Hall 2

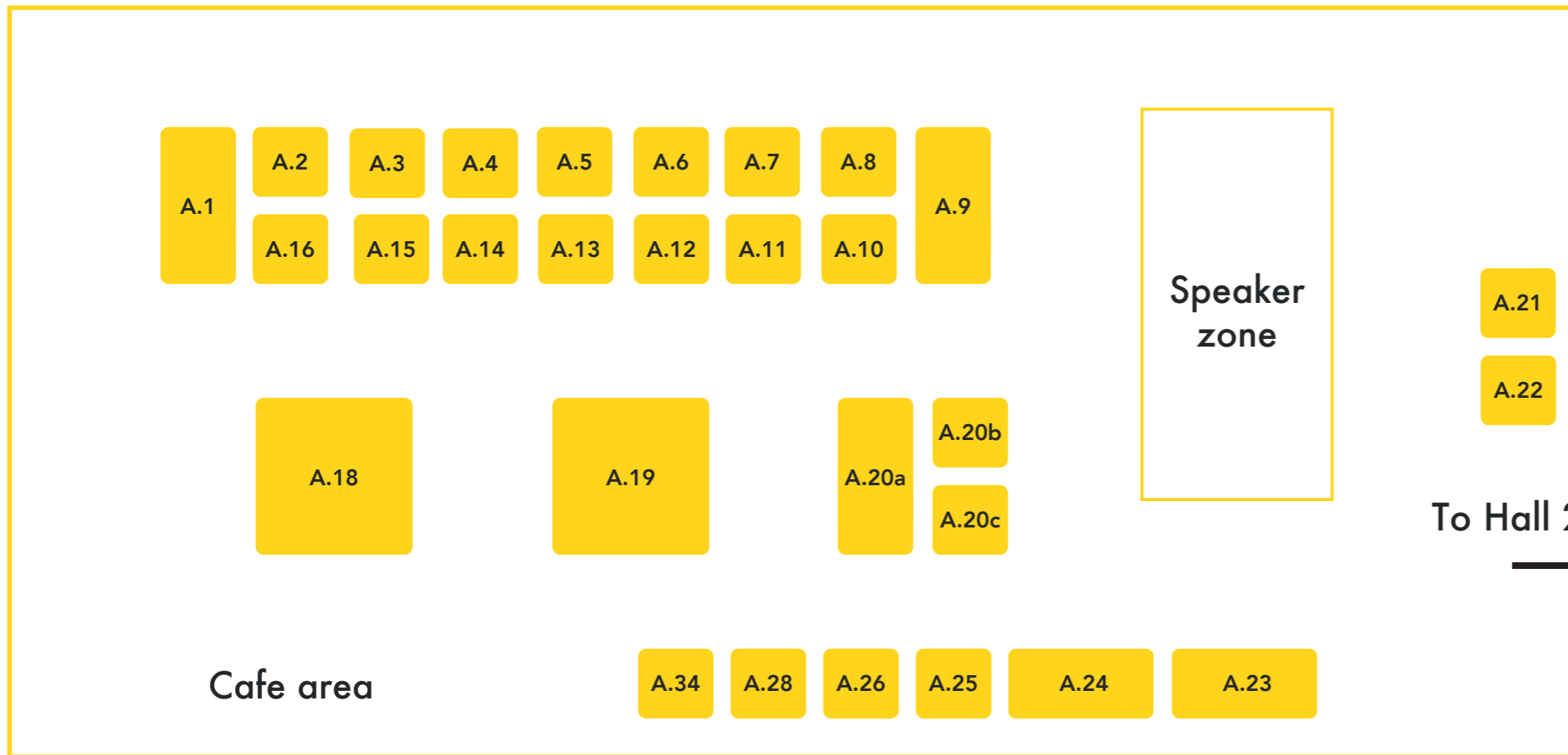


Exhibitor	Stand number
Advanced Propulsion Centre	Hall 2 B.23
Alexander Battery Technologies	Hall 2 B.42
Anton Paar (UK) Ltd	Hall 2 B.39
APC Technology Group Ltd	Hall 2 B.09
Arbin Instruments	Hall 2 B.21
BSI Group	Hall 2 B.27
Caltest Instruments Ltd	Hall 2 B.10
Cell Spot Solutions	Hall 2 B.08
CentraTEQ	Hall 2 B.17
Cosworth	Hall 2 B.31
Department for Business and Trade	Hall 2 B.02
Erwin Quarder Systemtechnik GmbH	Hall 2 B.06
Firechief Global	Hall 2 B.16
Fisair UK Ltd	Hall 2 B.38
Fujipoly	Hall 2 B.13

Exhibitor	Stand number
Gasmet Technologies UK (Ltd)	Hall 2 B.25a
Hylomar LTD	Hall 2 B.14
Inseto UK Limited	Hall 2 B.19
Lithium Battery Recycling Solutions	Hall 2 B.25d
Lohmann Technologies Ltd	Hall 2 B.40
Maccor/Cellcare	Hall 2 B.34
Nicab Ltd	Hall 2 B.33
NIKON METROLOGY	Hall 2 B.37
Norgren	Hall 2 B.07
Oerlikon Metco UK Ltd and Oerlikon Balzers	Hall 2 B.05
Oxford Instruments Nanotechnology Tools Ltd	Hall 2 B.29
PI-KEM Ltd	Hall 2 B.26
Powdertech Surface Science	Hall 2 B.41

Exhibitor	Stand number
Rockfort Engineering Ltd	Hall 2 B.22
SCANTECH S.A.S	Hall 2 B.15
Schaltbau - eddicy	Hall 2 B.11
SiTEST Ltd	Hall 2 B.24
SPAL	Hall 2 B.28
TA Instruments - Waters LLC	Hall 2 B.35
TBAT Innovation Ltd	Hall 2 B.25b
Techni Measure Ltd	Hall 2 B.25c
The Faraday Centre Ltd	Hall 2 B20
THT: Thermal Hazard Technology	Hall 2 B.32
Thurlby Thandar Instrument Distribution (TTID)	Hall 2 B.36
TR Fastenings	Hall 2 B.12
Unitemp	Hall 2 B.30
Vacuum Process Solutions	Hall 2 B.01
Von Roll France S.A.	Hall 2 B.18

Hall 1



Exhibitor	Stand number
Alphatech Limited	Hall 1 A.23
Applied Thermal Control	Hall 1 A.20a
Avantor	Hall 1 A.24
Cambustion CamMotive	Hall 1 A.11
Celltris	Hall 1 A.07
DÜPERTHAL Sicherheitstechnik GmbH & Co. KG	Hall 1 A.28
Ekoenergetyka - Polska S.A.	Hall 1 A.18
FMG Electronics Ltd	Hall 1 A.13
Hamamatsu Photonics UK Limited	Hall 1 A.29
Henniker Plasma	Hall 1 A.09
HORIBA	Hall 1 A.01
Hyonic Ltd	Hall 1 A.04
LAUDA Technology Ltd	Hall 1 A.10
Materials Direct	Hall 1 A.14

Exhibitor	Stand number
Micro-Epsilon UK Ltd	Hall 1 A.20b
Monmouth Scientific Limited	Hall 1 A.20a
OSCO Ltd	Hall 1 A.16
Phoenix Safe	Hall 1 A.12
PMT (GB) Ltd	Hall 1 A.34
Secure Delivery	Hall 1 A.03
Silib	Hall 1 A.06
SMMT	Hall 1 A.02
Solotec Scientific Limited	Hall 1 A.05
Tekta UK Ltd	Hall 1 A.20c
Tesla	Hall 1 A.19
Trent Construction Services	Hall 1 A.08
Vector GB Limited	Hall 1 A.25
Weiss Technik UK Ltd	Hall 1 A.26
Wipro PARI GmbH	Hall 1 A.15

Exhibitor Directory

Exhibitor	Stand number
Accelonix	Hall 3 C.08
Advanced Propulsion Centre	Hall 2 B.23
Advanced Test Equipment	Hall 3 C.07
Alexander Battery Technologies	Hall 2 B.42
Alphatech Limited	Hall 1 A.23
Altair	Hall 3 C.15
Alvatek Limited	Hall 3 C.09
Angstrom Technology	Hall 3 C.32
Anton Paar (UK) Ltd	Hall 2 B.39
APC Technology Group Ltd	Hall 2 B.09
Applied Thermal Control	Hall 1 A.20a
Arbin Instruments	Hall 2 B.21
Arranged BV	Hall 3 C.30
Asecos	Hall 3 C.28
Asgard	Hall 3 C.01
Avantor	Hall 1 A.24
Battery Tech Association	Hall 3 C.02
BINDER	Hall 3 C.19
BSI	Hall 2 B.27
Caltest Instruments Ltd	Hall 2 B.10
Cambustion CamMotive	Hall 1 A.11
Camfil	Hall 3 C.26
Cell Spot Solutions Ltd	Hall 2 B.08
Celltris	Hall 1 A.07
CentraTEQ	Hall 2 B.17
Chroma ATE Europe	Hall 3 C.23
CHT UK Bridgwater Ltd	Hall 3 C.27
CN Technical Services Limited	Hall 3 C.19d
Cognition Energy Ltd	Hall 3 C.17b
COMSOL	Hall 3 C.34
Cosworth	Hall 2 B.31
CVMS ° Climatic	Hall 3 C.06
Danecca Ltd	Hall 3 C.17a
Department for Business and Trade	Hall 2 B.02
Digatron Group	Hall 3 C.19b
Diotec Semiconductor AG	Hall 3 C.17c
DST Humidity Control/Newsome	Hall 3 C.18
DÜPERTHAL Sicherheitstechnik GmbH & Co. KG	Hall 1 A.28

Exhibitor	Stand number
DV Power Drallim Industries Limited	Hall 3 C.33
Ekoenergetyka	Hall 1 A.18
Erwin Quarder Systemtechnik GmbH	Hall 2 B.06
EVerA Recruitment	Hall 3 C.12
Fike	Hall 3 C.19c
Firechief Global	Hall 2 B.16
FirePro	Hall 3 C.20
Fisair UK Ltd	Hall 2 B.38
FMG Electronics Ltd	Hall 1 A.13
Fujipoly	Hall 2 B.13
Gasmet Technologies	Hall 2 B.25a
H.E.I Group	Hall 3 C.22
Hamamatsu Photonics UK Limited	Hall 1 A.29
Henniker Plasma	Hall 1 A.09
Hepco Motion	Hall 3 C.21
Hiden Analytical	Hall 3 C.16
HORIBA	Hall 1 A.01
HV Wooding Ltd	Hall 3 C.25
Hylomar LTD	Hall 2 B.14
Hyonic Ltd	Hall 1 A.04
Inseto UK Limited	Hall 2 B.19
LAUDA Technology Ltd	Hall 1 A.10
Lithium Battery Recycling Solutions	Hall 2 B.25d
Lohmann Technologies Ltd	Hall 2 B.40
Maccor/Cellcare	Hall 2 B.34
Materials Direct	Hall 1 A.14
Micro Epsilon	Hall 1 A.20b
Monmouth Scientific Limited	Hall 1 A.20a
Munters	Hall 3 C.13-C.14
Nano Electronic Services Ltd	Hall 3 C.29
Nicab Ltd	Hall 2 B.33
NIKON METROLOGY	Hall 2 B.37
Norgren	Hall 2 B.07
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