



Battery Tech Expo

Event guide

Thursday 28th September 2023
Lindholmen Conference Centre, Gothenburg
www.batterytechexpo.events

**47 EXHIBITING
COMPANIES**

**30 CONFERENCE
SPEAKERS**

**HUNDREDS OF
INDUSTRY BUYERS,
SPECIALISTS AND
SUPPLIERS**



**Battery
Tech
Expo**



Battery Tech Expo

With the energy transition journey developing at an undeniable pace, the EV battery supply chain across the Nordic region charges forward with Gothenburg in particular, seen as a city of innovation. Today, at the Battery Tech Expo Sweden, you'll have the chance to experience the latest technological developments from cutting edge exhibitors showcasing their latest products and services. During the day, industry experts will be presenting a variety of topics on both the Lindholmen Conference Hall and Pascal Conference Room Stage. There's also an opportunity to network and connect in our refreshment zone. We wish you a productive day and look forward to seeing you September 2024!



David Reeks

Managing Director,
10Four Media

D. Reeks

David Reeks

Events Team



Rebekah Ford



Helen Peden

Speaker agenda



Topic: How simulation can help improve battery life, durability and safety

Christiaan had studied Mechanical Engineering at the Technical University Twente in The Netherlands. In 1999 he joined Abaqus HQ in Providence, Rhode Island in the USA as a technical application engineer. From 2005-2012 he worked from the Dassault Systemes SIMULIA office in Maastricht in the Netherlands performing Abaqus technical support, trainings, pre-sales and projects. Since 2012 Christiaan works from the Dassault Systemes SIMULIA office in Aachen in Germany for the EuroCentral region, where he is currently mainly working with the automotive industry and also with a focus on battery cell simulations.

9:25



Christiaan Stoker
Mechanical Engineer
Dassault Systemes



Topic: Competence from other industries relevant for battery cell production

Richard faces the challenge of recruiting technical people in a very tight labour market. Part of the solution is to cast a wide net. In his talk he presents an analysis of what non-battery competence is relevant for semi-solid cell technology development and production.

Richard has worked as an executive in over 10 different corporate functions, as a digital start-up entrepreneur, a management consultant and a therapist. He is educated as an organisational psychologist and has an MBA. He has lived in Norway all his adult life and is now both a British and Norwegian citizen.

9:50



Richard Taylor
VP Talent Acquisition
Freyr Battery

Lindholmen Conference Hall



Topic: Electron microscopy and surface science to understand battery materials

Battery materials are complex and it is not easy to find one simple technique to control their structure, composition and properties. Chemical reactions happens at the surface and sometimes atmosphere has to be controlled.

In real world scenarios multiple techniques have to be used to understand and control quality.

The presentation will look at different analytical techniques to explore and control material structure and composition.

Mats Eriksson has a materials science background and has worked with analytical techniques to characterize materials for more than 30 years.

He is the founder and owner of Spectral AB, a Nordic distributor of high end scientific instruments for materials characterization.

10:15



Mats Eriksson
Founder and Owner

Spectral



Topic: The case for a connected BMS

In his time at WAE (formerly Williams Advanced Engineering), Tim has led battery concept design for several flagship battery programmes, ranging from 400 tonne Haul Trucks to top-tier high performance motorsport, including Formula E Gen 3, LMDh KERS and Extreme-E.

In his current role he manages the technical team at Elysia, WAE's new advanced Battery Software division – Tim leads cross-functional development teams with expertise in data science, battery systems and electrochemistry, developing software products to maximise the performance, reliability and safety of battery systems.

10:40



Timothy Engstrom
Technical Lead

Elysia – Battery Intelligence
from WAE

Speaker agenda



METTLER TOLEDO

Topic: Boosting Product Quality at Scale: Analytical Chemistry's Crucial Contribution

The crucial role of analytical chemistry in "Boosting Product Quality at Scale" is explored. Emphasis is placed on how analytical instruments facilitate the detection of impurities, improve process optimization, and enable data-driven decision-making, which enable businesses to maintain product quality during scale-up. The significance of a robust quality control strategy is highlighted, which increases productivity through automation and digitalization strategies.

11:05



Simon Taylor
**Battery Business
Development**

Mettler Toledo



Topic: The Challenges of Scaling Up Battery Technologies

Vishal is an experienced business leader, winning and delivering multi-£Ms (full P&L) projects in Asian, European, Latin American and US markets. These include large-scale government and R&D projects, integrating hardware, software, IT systems and Apps. Since June 2021 as part of the UKBIC BD team, Vishal has worked with a number of cell and battery material companies.

Previously, at Buddi Ltd, as Business Development Director, he led many successful market entries, helping Buddi to its IPO.

At QinetiQ Ltd, managing complex high technology sales Vishal held a variety of roles including, Strategic Business Director. Vishal is a Fellow of the Institute of Physics and holder of multiple patents.

11:30



Dr Vishal Nayar
**Business
Development**

UK Battery
Industrialisation Centre

Lindholmen Conference Hall



Topic: Efficient Use Of Budget and Time When Commissioning A Battery Research Pilot Line - Hints and Tips From PI-KEM's Expert Battery Team

PI-KEM has supported battery innovation for over 30 years. We are European distributors for MTI Corp and LTS Materials, leading suppliers in the energy research sector. At PI-KEM we pride ourselves on enabling innovation by working closely with our clients from initial project launch to final delivery and set up; providing advice, customisation and training throughout the entire process. Learn how PI-KEM is purpose designed to support your decision-making when setting up your pilot line project, and how we can work alongside you to take your ideas from lab-based concepts to full scale production. Join Geoffrey Handley-Harrison, our Business Development Manager, as he "walks" you through our battery set up guides, where he will discuss ways to avoid common delays as projects progress.



Topic: Energizing battery modelling with digitalized gigafactory

After 2 engineering degrees, Virginie crossed the mirror for Sales and Business development and acquired skills in Strategic leadership, Management, and Marketing. She deeply believes that innovation and creative mindset are necessary to achieve the challenges of tomorrow. With current new technologies like Machine learning, Digital twins, Simulation Tools, or Immersive tools (AR/VR), connecting the dots will shape a better future and increase productivity. Passionate and track-record driven, she likes to define strategy and goals aligned with customers pains or expectations. As of today, her focus is about Battery from materials to recycling.

11:55



Geoffrey Handley-Harrison
Business Development Manager – Energy Research & Material Processing

Pi-Kem

12:45



Virginie Turc
Business Enablement – Multiphysics Suite

Hexagon

Speaker agenda



Topic: Building transparent, traceable, and responsible battery supply chains.

Karolin Langfeldt is a senior business expert with 12+ years of experience in Business Development and New Technologies in managerial positions. She has dedicated her career to advocating for a more sustainable and just future by applying new technologies.

Since she started at Circulor her main focus lies on complex, industrial supply chains of critical raw materials. Circulor provides end-to-end supply chain transparency, enabling customers to meet their responsible sourcing agendas and climate neutrality objectives.

13:10



Karolin Langfeldt
Director of Business Development

Circulor Ltd



Topic: Optimizing EV Battery Testing

The quality and performance of EV batteries are crucial for broad electric vehicle (EV) adoption. As such, thorough testing and validation of EV batteries from cell chemistry to pack are essential as we transition to a new era of evolving EV test requirements. EV manufacturers, suppliers, and testing facilities must utilize their battery test labs effectively to expedite the development process.

Join Keysight in this session as we outline various methods for enhancing the design and operation of your test lab, with the following key topics and takeaways:

- Understand why different approaches are necessary for setting up a test lab, depending on the initial circumstances.
- Explore adaptable hardware options that enable the customization of the lab's layout.
- Learn how management software can enhance lab productivity, optimize workflows, and improve data transparency.

13:35



Jouni Lantto
Business Development Engineer (Automotive & Energy Solutions)

Keysight

Lindholmen Conference Hall



Topic: Advantages of Modularity When Testing a Battery Management System

Bo Öhrwall serves as Manager for Pickering operations for the Nordic, with approx. 25 years of experience in the company. Bo has a technical education and have worked in the company for 25 years. Bo has a broad experience in various domains and applications. Especially focused on technical challenges with in power/energy projects.

14:00



Bo Öhrwall
Manager
Pickering AB



Topic: Advanced Materials for Energy Storage

Dr. Adelina Braun did her doctoral thesis in Materials Science at Saarland University, Germany with the topic "Nanomaterials for optoelectronic applications". She started her professional experience at the European Commission's research center working as a grant on nanomaterials research projects. Adelina joined Merck 8 years ago and is as EMEA Technology Manager responsible for the Materials Science portfolio.

14:25



Dr Adelina Braun
Technology Manager -
Materials Science EMEA,
at Merck KGaA, Darmstadt
Germany

Merck Life Science KGaA

Lindholmen Conference Hall



Topic: Interface is key – analytical tools to optimize cell performance and battery production

Dr. Daniel Frese received his PhD in Biophysical Chemistry at the University of Göttingen, Germany, in 2013. Since 2014 he is Application Specialist at KRÜSS GmbH, Hamburg, Germany. Dr. Frese has been working together with key companies and research centers in the field of automotive, aviation and electronics, just to name a few, building solid experience in surface and interface science. Since 2020, he is Application Market Manager and responsible for BI/MI with a strong focus on battery and EV topics, supporting key customers in this field with know how.

14:50



Dr. Daniel Frese
Application Specialist
at KRÜSS GmbH

Cromocol Scandinavia AB



Topic: Providing a Closed-Loop Solution for Battery Recycling.

With 22 years of experience, Joacim leverages his research and sales development understanding to lead Li-Cycle's commercial strategy within EMEA.

Prior to joining Li-Cycle, Joacim served as a Key Account Manager for Swedish vehicle manufacturer company, Thule Sweden AB, where he managed the company's key accounting activities to retain top customers to establish long-lasting strategic partnerships. Joacim also worked for Johnson Controls, an international company focused on optimizing building performances, as a Business Development Manager where he generated new sales leads and forecasted sales revenues.

Currently living in Vaggeryd, Sweden, Joacim enjoys bicycling and playing the guitar. He holds an MSc in Computer Integrated Manufacturing from Loughborough University, UK.

15:15



Joacim Adlerborn
Commercial Manager

Li-Cycle

POWER THE FUTURE



**Battery
Tech
Expo**

Speaker agenda



Topic: What does it take to design for circularity?

Henrik Svala, CTO

Henrik Svala joined Alelion as Chief Technology Officer in 2022. Focus has been, since joining Alelion, on front loading development to achieve a faster time-to-market and increasing product quality. Prior to joining Alelion, Henrik was Head of Development for an engineering service company focusing on delivering solutions for several different industries such as automotive, telecom and MedTech. He holds a Master of Science in Electronic Engineering from Chalmers University of Technology.

Dr. Nareerat Plylahan, Cell Specialist

Nareerat Plylahan joined Alelion as Cell Specialist in 2022. Her works focus on enhancing Alelion's competitiveness in cell and battery technology, defining cell strategy & roadmap, cell sourcing, as well as in-house cell & module testing. Prior to joining Alelion, Nareerat was Cell and Module Specialist at Volvo Penta where she also worked with requirements of battery system and battery sourcing. Nareerat received her Ph.D. in 2014 in Material Science specialised in Lithium-ion batteries from Aix-Marseille University, France.

09:05



Henrik Svala
CTO

Alelion Energy Systems AB



Dr. Nareerat Plylahan
Cell Specialist

Alelion Energy Systems AB

Pascal Conference Room



Topic: Neware Battery Testing System

Yihan Yao, also known as Damon, has been employed by Neware since 2018, serving as a sales engineer. This position marked his first job following his graduation from university. During his tenure at Neware, he gained expertise in battery technology, battery testing, and battery testing systems. Neware is renowned for offering dependable and cost-effective battery testing solutions to a diverse clientele, including those in the automotive, aerospace, marine, consumer electronics, startup, battery pack assembly, second life, cell R&D operations, and cell formation sectors. Damon and his team are dedicated to advancing battery technology through digitalization and providing trustworthy battery testing systems and laboratory intelligence solutions to Neware's valued customers.

09:35



Yihan Yao
Sales Manager
Neware Batteries



Topic: The Complexity of BatteryChain Logistics

Magnus Matre, from Bergen, Norway, holds the role of Regional Business Manager within Kuehne + Nagel's New Mobility Logistics team, specializing in battery logistics. With a degree in shipping management and a background of three years at Kuehne + Nagel, Magnus possess a deep understanding in worldwide logistics. Applying his expertise in sea, air, road, and project logistics, he actively contributes to Kuehne + Nagel's efforts in optimizing battery transportation and ensuring a seamless and sustainable supply chain for their valued customers.

10:00



Magnus Matre
Regional Business
Manager - New
Mobility
Kuehne-Nagel

Speaker agenda



Topic: Sustainable, locally sourced bio-based anode material

Otto Kivi is working in Business Development at Stora Enso, focusing on company's bio-based anode material Lignode. He has over 20 years of experience in commercializing new innovations, sales and business development. Stora Enso is a leading Global biomaterial company from Scandinavia, operations in 50 countries and turnover around 12 billion EUR.

10:25



Otto Kivi
Senior Business Development Specialist - Battery materials

Stora Enso

rho
motion

Topic: Is charging infrastructure keeping the pace?

Shan is a Senior Research Analyst with Rho Motion, working on electric vehicle, battery and charging market analysis, as well as modelling energy and commodity demand associated with the energy transition. Prior to this, he worked upstream in battery metal pricing and worked to develop derivatives markets for cobalt and lithium.

10:50



Shan Tomouk
Senior Research Analyst

Rho Motion

Pascal Conference Room

SULZER

Topic: The future of Electrolyte – A strategy to achieve high purity and high efficiency

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 is an Energy Engineer with an MSc in Energy Systems and Thermal Processes at 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.

11:15



Ilaria De Puri
Senior Sales
Engineer
Sulzer

Speaker agenda



Topic: Preventing Moisture & Pressure in batteries

Neil Partridge has over 20 years of industry experience, and will share his extensive knowledge on valves and breathers and their pivotal role in protecting batteries and EVs from moisture and pressure.

A strong commitment to R&D and heavy focus on innovate technology allows Brownell to offer expert solutions to complex challenges, delivering custom designs to fulfil any set of requirements and perpetually expanding the range of solutions and support available to users across the globe.

Neil continues to steer Brownell towards continued growth, elevating the company's global presence and securing their long-time place as industry leaders in the humidity and pressure control field.

Mikael Croonquist boasts over 30 years' experience in the electronics industry, beginning his journey as Technical Engineer at Ericsson Radar Electronics, then moving on to Product Manager for Matronic over 20 years ago, becoming CEO and the driving force of the company in 2018.

Founded in 1992, Matronic is a leading provider of everything from desiccants to soldering material and products, with a comprehensive range of solutions covering a diverse set of industries and applications.

Focussing on the importance of valves and immersion breathers for batteries and EVs, Mikael will share his extensive knowledge and application know-how, supporting customers and users to find the ideal components for any and all requirements.

11:40



Neil Partridge
Managing Director
Brownell Limited



Mikael Croonquist
CEO
Matronic i Sverige AB

Pascal Conference Room



Topic: Revolutionizing Battery Pack Design: Automate, Accelerate, and Integrate for Unmatched Efficiency

With a Master of Science in Structural Mechanics from Blekinge, Sweden, Akhil embarked on a dynamic career journey that spans continents and industries.

Starting as a design engineer in the Indian Defense sector, Akhil swiftly transitioned into the world of Computer-Aided Engineering (CAE) with a simulation software company where he implemented high fidelity simulations at top Aerospace & Defense companies in the Indo-Pacific region, unlocking substantial cost savings in the physical testing.

Currently at the forefront of innovation with Synera, a first low-code engineering platform, working on a mission to empower engineers to revolutionize their product development practices using powerful and automated low-code approach.

A relentless advocate for challenging the status quo in product development, Akhil is driven by curiosity to explore and integrate novel techniques that enhance, streamline, and automate the processes.

12:05



Akhil Mora
Solutions Engineer
Synera GmbH



Topic: Performance Under Pressure: Why PyroThin Thermal Barriers Get Better at End-of-Life

Florian Sauer is a Battery Program Engineer at Aspen Aerogels. He collaborates with global automotive OEMs and cell manufacturers to demonstrate how PyroThin cell-to-cell barriers can help them achieve their safety and performance goals. Before joining Aspen, Florian specialized in electric vehicles, leading the application of fluid transfer systems to support BMW Group's development projects. He has a Master of Science in Industrial Engineering from the University of Applied Sciences Mittelhessen and a Bachelor of Science in Industrial Engineering from the University of Applied Sciences Darmstadt.

13:00



Florian Sauer
**Battery Program
Engineer**
Aspen Aerogels

Speaker agenda



Enabled Future Limited

Topic: Sustainable Supply Chain Connectivity in the European Battery Industry

Michelle Lynch is a PhD in Chemicals and Catalysis and a Chartered Chemist/Fellow of the Royal Society of Chemistry (CChem FRSC). As a dedicated consulting professional with 26 yrs+ experience, Michelle's activities as CEO of Enabled Future Limited (EFL) allow her to trailblaze in the dynamic world of battery materials.

Her deep technical and strategic insights reach clients globally including investors and financial institutions, critical raw materials and battery producers, recycling, and reuse service providers. Michelle is a true luminary, determined to help clients to pursue excellence in the sustainability and profitability of their product lifecycles. She lives and runs her consultancy in Solihull, West Midlands, UK.

13:25



Dr Michelle Lynch
CChem FRSC
CEO

Enabled Future



Topic: Designing the optimal switch for your HV battery

Carlos is a specialist in switching (relays & contactors) solutions across a broad range of industries. His role at Durakool involves working closely with engineers and buyers to "bridge the gap between application and specification".

Carlos thrives on building strong partnerships and helping people succeed via technical consultation based upon his extensive application knowledge and experience. He loves to dig into customer problems and solve them with different technologies and relishes the focus on innovation and quality that he finds within Durakool's engineering team.

In his spare time he enjoys Karate.

13:50



Carlos Mendes
Product Manager

Durakool

Pascal Conference Room



Topic: The use of Digital twins, simulation and AI to optimize batteries in Electric vehicles

Pär-Ola Jansell has an engineering background in Powertrain. Being at Altair for 17 years in different roles he is now Managing Director of the Altair Nordic region. Altair is a global technology company that develops and sell software and services in the field of Simulation, Data Science and High Performance Computing. He is also managing Altair's Automotive accounts in the Nordic region.

14:05



Pär-Ola Jansell
Managing Director
and Account Executive
Automotive

Altair



GREEN AI CLOUD

Topic: How Super Compute could fully leverage the AI potential in the battery production process

Jacob is the founder and CEO of Green AI Cloud. His earlier venture - Fredenheim, a high profile data consultancy company - was awarded "Super company" of the year both 2017 and 2018, by one of Sweden's biggest business magazines. Jacob Boström has more than 15 years of experience of building large cloud platforms.

14:30



Jacob Boström
CEO

Green AI Cloud

Pascal Conference Room



**Topic: From Lithium ions to Battery cells.
Understanding the processes in the cells by
simulations on the atom level.**

Dr. Johan M. Carlsson is Senior Industry Process Scientist and Fellow of the Science Council at the BIOVIA brand of Dassault Systemes. He received his PhD in Physics from the University of Gothenburg in Sweden. He subsequently headed the Nanoporous Carbon group in the Theory department of Fritz-Haber-Institut der Max-Planck-Gesellschaft in Berlin for six years. In 2008, Dr. Carlsson joined the Contract Research group at BIOVIA and moved to the Technical sales Department in 2011. In his role as Senior Industry Process Scientist, he helps customers to solve their scientific problems virtually by modelling and simulation techniques and practically by lab informatics using the BIOVIA Software Solutions. As Fellow of the Science Council, he give advice for the scientific strategy of the BIOVIA Brand. The research interests focus on computational materials science and cover metals, carbon and battery materials. He is coordinating the participation of 3DS in the BIG-MAP project, which is one of the research projects in the Battery 2030+ project.

14:55



Dr. Johan M. Carlsson
**Senior Industry
Process Scientist**
Dassault Systemes

FirePro.

Topic: Fire Suppression Solutions for Lithium – Ion

Craig has over 30 years of experience in the fire industry, predominantly in the Middle East. He has worked in roles covering sales, business development and general management for some of the largest Fire & Safety companies in the world, has been an active member of various Fire Associations and is a founder and board member of the Society of Fire Protection Engineers, Cyprus Chapter.

15:20



Craig Nixon
**Business Development
Manager**
FirePro



Battery Tech Expo

Upcoming events:

Battery Tech Expo Prague
Prague, Czech Republic
March 2024

Battery Tech Expo UK
Silverstone, UK
April 2024

Battery Tech Expo Sweden
Gothenberg, Sweden
September 2024

www.batterytechexpo.events

Exhibitors



AB Ninolab
www.ninolab.se

Stand 15L

Gloveboxes
Water purifiers
Test chambers
Ventilated cupboards
Safety cabinets
Fume hoods



Altair Engineering AB
www.altair.se

Stand 28.2C

Altair is a global leader in computational science and artificial intelligence that provides software and cloud solutions in simulation, high-performance computing (HPC), data analytics, and artificial intelligence (AI). We enable organizations across all industries to compete more effectively and drive smarter decisions in an increasingly connected world – all while creating a more sustainable future.

Leading convergence of computational science and AI in engineering Altair is at the forefront of the evolution toward a smarter, more connected world. Helping companies use digital twins, intelligent models, and the convergence of simulation, HPC, and AI to predict and optimize system outcomes. Learn more at altair.com



Stand 28C

Alvatek

www.alvatek.co.uk

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.



Stand 29C

Anton Paar Nordic AB

www.anton-paar.com

Anton Paar provides a wide range of methods and technologies for characterizing battery materials

- BET surface area and pore size
- Particle size
- Density
- Separator pore size
- Electrode slurry analysis
- Electrolyte measurements

The Anton Paar Group develops, produces, distributes and provides support for analytical instruments used in research, development and quality control worldwide. Located in Malmö, Sweden, Anton Paar Nordic provides sales, application support and service to users across Sweden, Finland and Denmark.

Exhibitors

... *arranged.* **Arranged BV** **www.arranged.be**

Stand 09C

ARRANGED 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.

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, through customized filtration concepts.

The product portfolio includes filters, stainless steel housings, laboratory equipment, and process-controlled filtration systems.



Stand 05L

asecos GmbH **www.asecos.se**

Som världens ledande tillverkare av säkerhetsskåp enligt den europeiska standarden EN 14470-1/-2 är asecos representerad som utställare på BATTERY TECH EXPO med säkerhetsskåpet ION-LINE!

Säkerhetsskåpen asecos ION-LINE är lämpliga för aktiv och passiv lagring av litiumjonbatterier och har en brandbeständighet på 90 minuter (typ 90) – brandskydd från utsidan till insidan. Dessutom ger alla ION-LINE-modeller över 90 minuters brandbeständighet när de utsätts för brand inifrån och ut.

Modellerna BATTERY CHARGE PRO och BATTERY STORE PRO har också ett högkvalitativt 3-stegs varnings-/brandsläckningssystem inuti skåpet (plug-in version): Varje brand som startar i skåpet upptäcks omedelbart – detta ger ännu större säkerhet vid lagring och laddning av litiumjonbatterier.



Aspen Aerogels, Inc
www.aerogel.com

Stand 08C

Achieve pack performance goals while optimizing thermal runaway propagation protection with PyroThin cell-to-cell barriers. PyroThin evolved from 20+ years of optimizing Aspen's Aerogel Technology Platform®, which has helped solve complex challenges such as passive fire protection in harsh industrial environments and mission-critical activities in outer space. Automotive OEMs choose PyroThin because PyroThin can perform the mechanical function of a compression pad and thermal role of a fire barrier. Due to PyroThin's proprietary aerogel formulation, its thermal conductivity improves under pressure. PyroThin enables battery engineers to maximize energy density and decrease pack weight with thinner cell-to-cell barriers.



Avantor
www.avantorsciences.com

Stand 07L - 08L

Avantor®, a Fortune 500 company, 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. Our portfolio is used in virtually every stage of the most important research, development and production activities in the industries we serve. Our global footprint enables us to serve more than 300,000 customer locations and gives us extensive access to research laboratories and scientists in more than 180 countries. We set science in motion to create a better world.

Exhibitors



Best conditions for your success

BINDER GmbH

www.binder-world.com

Stand 09L

BINDER is German manufacturer and a leader in customized material test chambers with high levels of focus and design on operators and environment safety and high Germany Quality.

We offer different chambers for Lithium-Ion Battery testing, working to EUCAR 2 through to EUCAR 6 standards on our Lithium-Ion test chambers. But also, standard Dynamic Climate and Heating Chambers. Our chambers can link to different Cell Cyclers like Keysight, Maccor, Arbin, Digatron, etc.

BINDER already has experiences with big Turn-Key project in the market like and recently some battery Manufacturers in the Nordics are working with the BINDER EUCAR chambers.



Stand 03C

Bry-Air (Asia) Pvt. Ltd.

www.bryair.com

Bry-Air, the leader in dehumidification...worldwide, is a global solution provider for:

- Moisture Control
- Dry Room Solutions critical for Lithium battery production
- Gas Phase Filtration
- Plastic Drying
- High-Temperature Heat Recovery, and
- Adsorption Cooling

A flagship of the Pahwa Group, Bry-Air has manufacturing units in India, subsidiaries worldwide, and a robust sales and service network. With installations in over 85 countries in almost every industry, Bry-Air touches people's lives round the clock. Notably, Bry-Air serves as the provider of complete solutions for low dew point jobs, featuring Environment Control Equipment that incorporates patented technology crucial for Lithium Battery Manufacturing.



Stand 32C

Busch Vakuumenteknik AB

www.busch.se

A global vacuum pump manufacturer and vacuum systems solution company.

Represented in 45 countries
8 production sites
3800 employees worldwide

Global mission:
One team around the world

Busch provides leading edge vacuum and overpressure technology worldwide. We seek prosperity and growth through creating the highest value for our customers. We employ the best people and challenge them. We constantly evaluate our activities in order to maintain the highest standards.



Stand 15C

Camfil

www.camfil.se

For more than 60 years, Camfil has helped people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. The best solutions for our customers are best for our planet, too.

Exhibitors



Stand 33C

Chroma ATE Europe www.chromate.com/eu

Chroma ATE Europe B.V. is located in Ede, the Netherlands. Founded in 1999, we are one of the world leading suppliers of precision test and measurement instrumentation, automated test systems, intelligent manufacturing systems, and test & automation turnkey solutions marketed globally under the brand name "Chroma". Significant markets served by Chroma include semiconductors, photonics, LED, photovoltaics, video & color, flat panel displays, power electronics, passive components, electrical safety, green batteries, electric vehicles, thermoelectrics, automated optical inspection and intelligent manufacturing systems for ICT and cleantech industries. At Chroma, we believe in the truth of measurements and the trust of partnerships. Using the most advanced solutions, we test and measure the quality of clients' products with ambition of making them better, more effective, and ultimately thriving in the marketplace.



Stand 01C

Circulator Ltd www.circulator.com

Circulator is the leading provider of materials traceability, enabling companies globally to gain visibility into their most critical supply chains to prove and improve their ESG performance. Circulator offers a managed software solution that customers use to track the raw materials used within their manufacturing and recycling supply chains to demonstrate responsible sourcing and sustainability.

Circulator are a profit for purpose company, with a vision to enable customers to halve the impact of their global supply chains on Greenhouse Gas (GHG) emissions and eradicate human exploitation within the industrial supply chains.



Test & Measurement
Solutions

Stand 16C

CN Rood Nordics AB

www.cnrood.com

Dependable.

Reliable.

Knowledge Partner.

Since the day we were founded in 1938 CN Rood has been on the cutting edge of technology. Enabling us to help you solve the challenges you encounter using the latest technological developments and insights.

Consultancy and training.

Products and solutions.

Service and support.



Stand 2.5L

Cromocol Scandinavia AB

www.cromocol.se

Cromocol Scandinavia; is a supplier of instruments, equipment, and turn-key solutions for testing materials and components. The products come from world-leading manufacturers known for their quality and technical innovations.

For battery, testing are offering potentiostats and battery testers from BioLogic, Climatic chambers from Aralab, and Surface analyzers from Krüss Scientific.

Exhibitors



Customcells Group
www.customcells.de

Stand 13C

CUSTOMCELLS® is a world leading company in the development of special electrode production and lithium-ion battery cells. We are specialized in producing energy storage systems for extreme conditions where other solutions fail. Based on many years of development experience, CUSTOMCELLS® has extensive know-how which enables us to offer comprehensive and holistic consulting services for energy storage concepts and process technology. With access to 14 industrialized electrode technologies, over 250 raw materials on stock as well as unique cell manufacturing technology, CUSTOMCELLS® is able to produce customized battery cells made in Germany according to our customer's applications.

Our production facility is equipped with state-of-the-art electrode and cell manufacturing machines. Therefore, we also support our customers in the technology ramp-up from laboratory to production scale on a high level. CUSTOMCELLS® lithium-ion energy storage systems are optimized at the chemical, battery and battery module levels. The result: Considerable performance advantages.



The 3DEXPERIENCE® Company

Dassault Systemes AB
www.3ds.com

Stand 10L

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries.



Datavärde Norden AB

www.datavarde.se

Stand 28.1C

Datavärde is on the mission to make the world a better place by working towards better usage of our resources. Data Science field provides Unique Possibilities to Optimize all kinds of Operations from a Energy and Efficiency Point of View. We are experts in battery technology and battery analytics both in for reuse and for application control. We improve Resource Efficiency in all we do. We engage in projects in the Driveline development as well as Energy Sector to increase the use of Renewable Energy but also to lower the total consumption. We have long experience both in embedded control development as well as in server/backend based analytics. We support Circular Economy by developing Solutions for Recycling and Increase the Uptime of Fleets by our Internet of Things systems for Predictive Maintenance. All in favor of Resource Efficiency.



Durakool

www.durakool.com

Stand 06C

Durakool is a globally renowned specialist in switching solutions headquartered in Cophthorne UK. Initially established in 1935 to manufacture switching devices for power generation in industrial, and power automation systems. Durakool has evolved to provide innovative switching solutions, particularly for High Voltage DC automotive applications (off road / construction / agricultural / utility / municipal / emergency vehicles), energy storage systems, power and industrial electronics applications. Today, the reliability and quality of Durakool products are at the heart of Solid State PLC, as we continue to innovate and develop relays and contactors to meet customer demands for higher voltage and higher current switching, in smaller, lighter packaging.

Exhibitors



Elysia – Battery Intelligence from WAE **www.elysia.co**

Stand 12L - 13L

Elysia is the world-leading battery intelligence offering from WAE Technologies (formerly Williams Advanced Engineering).

Drawing on over a decade of high-performance battery expertise from WAE, who have designed and manufactured the world's most advanced batteries – from global electric motorsport programmes to electric mining trucks – Elysia provides OEMs, battery owner-operators and asset financiers with unprecedented battery insights, transparency on state-of-health and battery management optimisation across the entire battery lifecycle.

Through an Embedded suite of best-in-class BMS algorithms and a powerful battery analytics Cloud Platform, Elysia unlocks the untapped potential of batteries – enhancing safety, extending lifetime and optimising performance from any battery system and cell chemistry.



FirePro Systems Ltd **www.firepro.com**

Stand 28.3C

FirePro designs, manufactures and distributes worldwide its condensed aerosol fire suppression systems, through a network of suitably trained partners. The core of FirePro's technology is their patented condensed aerosol generating solid compound, consisting of eco-friendly, naturally occurring potassium salts. FirePro agent is EPA-SNAP listed (Significant New Alternative Policy) as it does not contain any substances that may have a negative impact on the environment. Their dedication to sustainability and quality is attested by the number of international and local certificates, listings and approvals attained.

Our Vision

Make the world safer by making universally available the use of our environmentally friendly fire suppression technology.



Freyr Battery

www.freyrbattery.com

Stand 19C / 21C

FREYR Battery aims to provide industrial scale clean battery solutions to reduce global emissions. Listed on the New York Stock Exchange, FREYR's mission is to produce clean battery cells to accelerate the decarbonization of energy and transportation systems globally. FREYR has commenced building the first of its planned factories in Mo i Rana, Norway and announced potential development of industrial scale battery cell production in the United States and Finland. To learn more about FREYR, please visit www.freyrbattery.com



Hexagon

www.hexagon.com

Stand 14C

Hexagon's Manufacturing Intelligence division empowers makers to innovate and create without limit. Our solutions support optimisation throughout the product lifecycle, freeing creators to make better products in new innovative ways, benefitting people and the planet.

Bringing together the physical and digital worlds through hardware and software, we give makers the freedom to ideate, explore, get it right first time, and to scale production.

Exhibitors



Keysight Technologies Sweden AB
www.keysight.com

Stand 25C

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best EV battery. Whether you're looking to test battery cells, modules, or packs, develop battery management system (BMS), or configure cell forming and cycling, Keysight accelerates innovation with intelligent insights that reduce risk and speed time-to-market. Explore how Keysight's PathWave lab operations software for battery test helps you modernize your test workflows, minimize paper-based processes, while increasing data traceability. Our fusion of technology knowledge, measurement science expertise, and tailored solutions help you forge ahead with confidence in our connected and dynamic world.
<https://www.keysight.com/gb/en/products/hev-ev-grid-emulators-and-test-systems.html>



LaboTest AB
www.labotest.se

Stand 05C

LaboTest AB is a company that runs a more than 45-year-old business that supplies and services products of the highest quality. Our customers work with material testing. We currently represent the brands Weiss Ltd, Vötsch, PCB Piezotronics, Endevco, Viatran, IMV Corporation, Vibration Research, 1G Dynamics and Heratherm (formerly Heraeus) in Sweden and Finland. We have our headquarters in Upplands Väsby and offices in Askim.



Stand 01L

LabRum AB

www.labrum.se

LabRum AB has more than 50 years of experience in laboratory- and climate test equipment, protection ventilation and laboratory furniture, we customize solutions for your needs. Our many years of experience in the field of climate simulation technology have given us an excellent understanding of our customers' needs. For the battery industries, we have delivered everything from climate chambers, clean air products to complete furnished laboratories. We offer a wide range of ESPEC climate chambers for Lithium Ion Battery testing, working within EUCAR 2 up to EUCAR 6.

LabRum products:

- Espec – Climate and temperature cabinets,
- Espec – Thermal Shock chambers.
- Espec / Qualmark – HALT and HASS chambers.
- Espec – Rain and Water Test Chambers, Climate chamber with solar simulator,
- Dust Test Chambers, Heating and drying ovens, Climate room.
- PlasLabs – Desiccators, Nitrogen Dry Boxes and Glove Boxes.
- Esco – LAF benches, clean air products,
- Gram, Vestfrost, Liebherr – ATEX-rated laboratory refrigerators / freezers, storage of items that can cause potential explosive atmospheres.
- LabRum – Laboratory furniture, fume cupboards, chemical, acid and poison cabinets



Stand 11L

Low2High Vacuum AB

www.low2high.se

Low2High Vacuum markets and services all kinds of vacuum components from the rough vacuum to high vacuum area.

Specialties: VACUUM TECHNOLOGY, GAS ANALYSIS, and HELIUM LEAK DETECTING.

Low2High Vacuum constructs and customizes vacuum systems for all kinds of vacuum technology applications. With 60 years of experience in vacuum technology, we have a broad knowledge of helium leak detection applications.

Our program includes, among other things, pumps, valves, measuring instruments and leak detectors.

Exhibitors



Stand 22C - 23C

Master Battery S. L. **www.masterbattery.es**

Master Battery, SL presents its line of products and services for all the applications that the different energy systems on market; providing a complete range of products and supply of uninterruptible power supply systems, with lead acid, AGM, GEL and LITHIUM technology batteries. In addition to the range of batteries, Master Battery presents its wide range of inverters, both OFF-Grid, ON-Grid and hybrid. As newness, all-in-one systems are presented, ideal for residential use. All these products under our own brands: Master Power, U-Power, Master Cell, U-Power Ecoline and Master Power Solar.



Stand 06L

Matronic **www.matronic.se**

Matronic has provided the Swedish electronic market with equipment and material since 1992.

Below a part of our products, some of them for EV:s "Preventing Moisture & Pressure in batteries" or intermittent connections / thermal management problems.

Conformal coatings, desiccants, desiccators, encapsulation material, humidity and electronic indicators, immersion breathers, moisture adsorbing polymers, Neps1000 purging systems, soldering equipment, solder paste, thermal management, pressure and vacuum valves.



Merck Life Science KGaA

www.SigmaAldrich.com/battery-development

Stand 10C

Merck is a vibrant science and technology company committed to harnessing the power of science for good. Through our cutting-edge Battery Materials offering, we enable cell manufacturers across the globe to produce batteries with unparalleled performance, extended run times, increased efficiency, and longer lifespans. Our advanced, high-purity materials support the development and production of innovative energy-storage devices, helping our partners in academia and industry to achieve their goals more effectively, efficiently, and safely. To discover more about our range of exceptional products, we invite you to explore SigmaAldrich.com/battery-development.



METTLER TOLEDO

www.mt.com

Stand 02C

METTLER TOLEDO has long been a leader in innovation and quality. Aiming for sustainable and breakthrough performance, a selection of our innovations is highlighted here.

We offer precision instruments and services for many applications in research and development, quality control, production, logistics and retail to customers around the world.

We engage with stakeholder groups on an ongoing basis in a variety of ways. Our strategic framework guides us to keep our operations sustainable over the long-term, help customers to be sustainable in their businesses, promote global best practices within our supply chain, attract, develop and retain the best employees, and follow governance best practices.

Exhibitors



Neware Technology
www.neware-usa.com

Stand 27C

NEWARE, founded in 1998, integrates Battery Testing System, Formation and Grading System, Environmental Test Chambers, NEWARE AI, MES, and Automated Production Line for Battery Manufacturers, Electric Vehicle Manufacturers, Energy Storage Enterprises, Universities, and Research Institutions worldwide. With a track record of over 327,000 shipped pieces of equipment and 700+ patents and software copyrights, NEWARE is widely recognized for its innovative technology and expertise in the field.



Pickering Interfaces AB
www.pickering.se

Stand 07C

Pickering offer products and services to streamline the development and deployment of your high-performance electronic test and verification systems. We offer the widest range of modular switching & simulation modules for electronic test and verification. In PXI, LXI and PCI platforms.

Our partners also develop and build the most configurable test equipment for the battery industry. We serve many industries such as: Automotive, Defence & Aerospace, Telecom, Semiconductor and more.



Stand 04C

PI-KEM

www.pi-kem.co.uk

Here at PI-KEM, we know that the future of energy is targeted toward a far-reaching and more sustainable, solid solution. This is why we've invested heavily in sourcing and stocking the best equipment and materials needed to accelerate your new energy research and development. From cases to chemicals, custom coatings to battery analysers – we've got all the new energy storage materials, consumables and equipment you need.

And that's not all! We firmly believe that knowledge is power. Our expert team is happy to offer guidance across a wide range of subjects from niche material sourcing to global trade and logistics expertise.

We're all you need to accelerate your new energy storage research and development. Power up your research with PI-KEM.



Stand 30C - 31C

Plasmatreat Nordic AB

www.plasmatreat.com

The fourth state of matter revolutionizes industrial production

Plasma pretreatment is the key enabler technology for microfine cleaning, surface activation and plasma coating of nearly all kinds of materials – from plastics, metals and glass to cardboard, textiles and composites. More and more conventional industrial pretreatment methods are being replaced by plasma technology in order to make processes more effective and environmentally friendly.

Innovation is pivotal to what we do. Every day we work on developing new and creative solutions to meet our customers' challenges.

Plasmatreat offers a broad spectrum of plasma systems and equipment for atmospheric plasma processes (Openair-Plasma®) and for low-pressure plasma technology (Aurora). With our own technology centers and sales teams at 34 different locations around the world, the Plasmatreat group has a global presence.

Backed by 20 years of experience, we can say with conviction that the future belongs to Plasma. The potential for application of plasma technology is virtually inexhaustible.

<https://www.plasmatreat.com/en/industry-solutions/automotive/electromobility/>

Exhibitors



RAMC AB

www.ramcon.eu

Stand 11C

RAMCON is a focused distributor with a robust organisation with a high level of professionalism among the employees in sales, support and service. We focus on the industrial, pharmaceutical, chemical and life Science markets.

RAMCON (RAMC AB) provides a wide range of laboratory equipment and analytical instruments for battery development and production, from R&D to control of raw material and QC of finished product. We offer instruments for particle characterisation, thermal analysis, elemental and phase composition as well as grinders, millers, evaporators, stirrers and reactor systems for the laboratory.

RAMCON is a focused distributor with a robust organisation with a high level of professionalism among the employees in sales, support and service. We focus on the industrial, pharmaceutical, chemical and life Science markets.



Stand 18C

RI.SE

www.ri.se/en/what-we-do/batteries

Come meet our experts on safety-critical battery testing and get an intro to our new world-leading explosive-proof lab with an advanced cleaning system making testing safe and sustainable for us and our planet.

Here we expose batteries to vibration, mechanical shock, extreme temperatures and provocation to ensure safety and enabling us to abuse large battery packs and even passenger cars in a controlled environment.

We collaborate with industry, academia, and the public sector to contribute to innovation, development, and a sustainable society.

Welcome to our booth for a chat!



Spectral AB

www.spectral.se

Stand 17C

Spectral AB provides analytical instrumentation to Nordic industry and academia, in R&D as well as in QA/QC.

Our main focus is electron microscopy and surface science as well as tools and consumables related to these techniques. We have many solutions relevant for battery development and production which we have provided to several Nordic battery industries.

Spectral AB is a continuation of a family business started in the late 1970s. After being part of large global organizations like Bruker and Hitachi High-Tech, Spectral is back as a privately owned business since 2022.



Synera

www.synera.io

Stand 34C

Synera is a low-code engineering platform for complete process automation. Engineers can use the visual programming environment to automate repetitive tasks in all areas. Unlike traditional design processes, Synera uses algorithm-based modeling. This allows engineers to focus on their creative activities and ultimately design better products faster. Synera integrates all data and expert knowledge into the development process, providing engineers with technical capabilities that are otherwise only available to software developers. The company based in Bremen Germany, supports users in a variety of industries, including the automotive industry, aerospace, and the consumer goods industry.

Exhibitors

Waters™ |  TA Instruments

**TA Instruments,
a Division of Waters Sverige AB**

www.tainstruments.com

Stand 14L

TA Instruments is a global organisation offering advanced characterization techniques for a range of applications. Whether it's looking at slurry dispersions, electrolyte stability, cell parasitic reactions or interface material conductivity, TA Instruments has a range of solutions to offer the researcher or QC analyst alike.

TestNordic 

TestNordic AB

www.TestNordic.se

Stand 24C

TestNordic, sells and distributes the best Battery testing solutions from DV Power. We have discharge devices, monitoring systems, battery charger, internal resistance meters.



Thermtest Europe AB **www.thermtest.se**

Stand 20C

Thermtest designs and manufactures instruments with intelligence for accurate testing of thermophysical properties. We strive to advance methods and always provide raw data to empower true understanding of results. Our unique combination of lab equipment, portable meters and testing services positions us as your apex provider of thermal conductivity services.

Our custom Battery Package is designed to measure the thermal conductivity, thermal diffusivity, specific heat and thermal contact resistance of cylinder and pouch type batteries of various dimensions and their components.



VACPRO ApS **www.vacpro.dk**

Stand 12C

We are an official partner and distributor of Jacomex, an international leader in the supply of gloveboxes, insulators and neutral gas purification systems. We have a lot of experience in custom design of gloveboxes in Battery R&D and small production applications. Please contact us to find out more about how we can help you to find the most effective solution.

Exhibitors



Stand 03L - 04L

WireFlow
www.wireflow.com

WireFlow has experience in designing test and measurement equipment for battery applications. By using our ready-to-use software and hardware building blocks, we can quickly build customized test and measurement system that fit your need. We develop and manufacture systems for both production test and design characterization.



Stand 02L

ZARGES AB
www.zarges.se

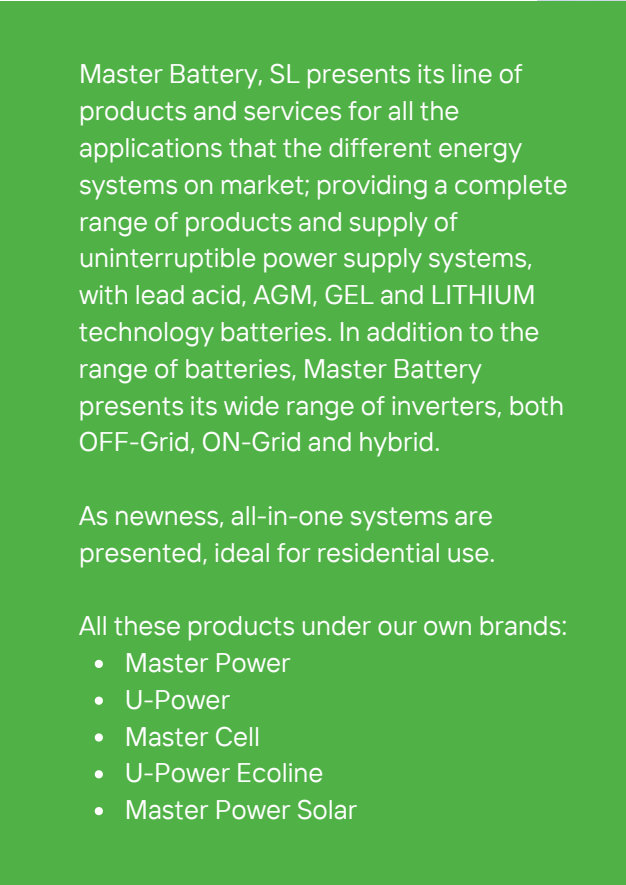
The transport and storage of lithium batteries, defective or intact, is subject to strict safety regulations. ZARGES offer a range of aluminum boxes for safe storage and transport of lithium-ion batteries – even if they are defective or damaged.

For almost 90 years ZARGES has stood for uncompromising quality combined with continuous innovation with a goal to offer professional and customized logistic solutions for any requirement. ZARGES boxes are extremely lightweight yet stable, corrosion-proof, non-magnetic and easily adaptable to a wide range of applications.

Rely on more than 30 years of experience in the field of hazardous goods and the complete reliability of our packaging solutions, where safety, durability and ergonomics are in the focus.



MASTER BATTERY



Master Battery, SL presents its line of products and services for all the applications that the different energy systems on market; providing a complete range of products and supply of uninterruptible power supply systems, with lead acid, AGM, GEL and LITHIUM technology batteries. In addition to the range of batteries, Master Battery presents its wide range of inverters, both OFF-Grid, ON-Grid and hybrid.

As newness, all-in-one systems are presented, ideal for residential use.

All these products under our own brands:

- Master Power
- U-Power
- Master Cell
- U-Power Ecoline
- Master Power Solar

Contact Us:

 [+34 91 802 16 49](tel:+34918021649)

 info@masterbattery.es

 www.masterbattery.es

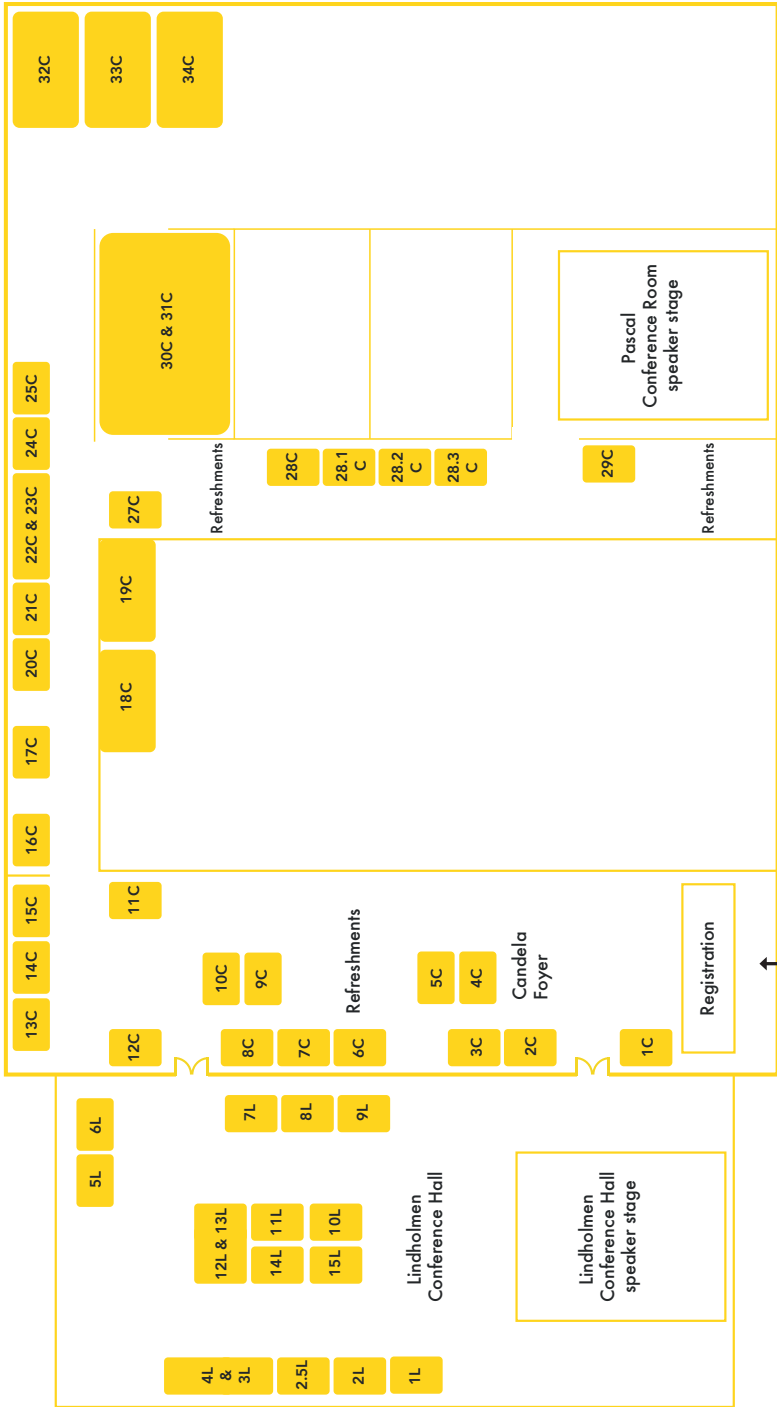


Floor plan

Exhibitor	Stand
AB Ninolab	15L
Altair	28.2C
Alvatek	28C
Anton Paar Nordic AB	29C
Arranged BV	9C
asesos GmbH	5L
Aspen Aerogels, Inc.	8C
Avantor	7L - 8L
BINDER GmbH	9L
Bry-Air (Asia) Pvt. Ltd.	3C
Busch Vakuumtechnik AB	32C
Camfil	15C
Chroma ATE Europe	33C
Circular Ltd	1C
CN Rood Nordics AB	16C
Cromocol Scandinavia AB	2.5L

Exhibitor	Stand
Customcells Group	13C
Dassault Systemes AB	10L
Datavärde Norden AB	28.1C
Durakool	6C
Elysia - Battery Intelligence from WAE	12L - 13L
FirePro Systems Ltd	28.3C
Freyr Battery	21C/19C
Hexagon	14C
Keysight Technologies Sweden AB	25C
LaboTest AB	5C
LabRum AB	1L
Low2High Vacuum AB	11L
Master Batterv S.L.	22C - 23C
Matronic	6L
Merck Life Science KGaA	10C

Exhibitor	Stand
METTLER TOLEDO	2C
Neware Technology	27C
Pickering Interfaces AB	7C
PI-KEM	4C
Plasmatrete Nordic AB	30C - 31C
Ramcon	11C
RI.SE	18C
Spectral	17C
Synera GmbH	34C
TA Instruments, a Division of Waters Sverige AB	14L
TestNordic AB	24C
Thermtest Europe AB	20C
Vacpro	12C
WireFlow	3L - 4L
ZARGES AB	2L





Battery Tech Expo

www.batterytechexpo.events