



[Shmuel De-Leon Energy - Battery Weekly Newsletter](#)

**November 01, 2024, No. 774**

**Sent to 110,000 Battery industry members**

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**Shmuel De-Leon Readers Save \$150!**

A promotional banner for 'The 14th Annual BATTERY SAFETY SUMMIT'. The text is in white and yellow on a dark purple background. A blue button on the right says 'Use Discount Code 2459-150'. At the bottom, it says 'November 4-5, 2024 | Alexandria, VA + Virtual'.

A grid of logos for various battery industry organizations. The logos include: NAATBatt INTERNATIONAL, bestmag (Energy Storage Publishing, Batteries &amp; Energy Storage Technology), NY BES+ (NEW YORK BATTERY AND ENERGY STORAGE TECHNOLOGY COLLABORATION), Batteries International, Mathis, EUROBAT (ASSOCIATION OF EUROPEAN AUTOMOTIVE AND INDUSTRIAL BATTERY MANUFACTURERS), Soteria, and RRC (SETTING STANDARDS IN POWER SOLUTIONS).

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***Virtual Battery Trainings***

17-19/12/2024 Battery Virtual Seminar (6 hours - 3 parts of 2 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and registration](#)

### ***Frontal Battery Training***

[3rd Battery Safety, Storage, and Transportation Hands-On Seminar, Waxahachie, TX, USA, November 18-19, 2024](#)

### ***Special Offers***

[Shmuel De-Leon Energy provides an on-demand purchasing services for cells and batteries from all chemistries and vendors](#)

[Shmuel De-Leon Energy provide a new Battery Daily News Service - Sign up for free 30 days trial](#)

[Shmuel De-Leon Energy Provide a new Battery Daily Patent Newsletter service - Sign up for free 20 days](#)

### ***Batteries and Super Capacitors news***

[China's GNE develops lithium-sulfur battery with energy density of 700Wh/kg](#)

[Reliance Lithium Werks Showcases Cobalt- and Nickel-Free Cells at The Battery Show](#)

[Enovix starts shipping battery cells from Malaysia plant](#)

[Stellantis Drives Towards Solid-State Battery Innovation](#)

[LG Chem files lawsuit against unit of China's Ronbay over battery tech](#)

[Mercedes-Benz closes the battery loop](#)

[Toshiba Suitable for 400V automotive battery systems](#)

[Tesla will make the cheapest EV battery in the US with new 4680 cell technology](#)



Unlock new possibilities in battery testing with the [BCS-900's negative voltage capabilities](#). Test cells down to -5 V with precision and accuracy, revealing insights into performance that traditional systems miss. Ideal for **advanced applications** like reversible electrochemistry reactions or symmetrical cells, negative voltage testing offers a deeper understanding of cell degradation. Empower your research with BioLogic's BCS-900 Series Battery cyclers.

[NextStar Energy begins battery module production in Windsor](#)

[24M Ships Impervio™-Enabled Lithium Metal Battery Cell Prototypes to Major Global Automotive OEM](#)

[Ford inks battery supply deal with LG Energy Solution](#)

[Unigrid Battery Receives Investment From LG Technology Ventures](#)

[EV maker Atul Greentech inks battery supply pact with Exide Energy Solutions](#)

[China's first all-solid-state lithium battery mass production line is officially put into production with a daily production capacity of over 1,000 units – Mobile Phone China](#)

[Largest Korean Battery Producer LG Energy Solution Expanding in American Market](#)



[Stat-X® condensed aerosol fire suppression is a solution for energy storage systems \(ESS\) and battery energy storage systems \(BESS\) applications.](#)

The Stat-X product was tested for efficacy in putting out Li-ion battery fires. It was found that the Stat-X agent successfully extinguished single and double cell battery fires. This testing was conducted in parallel with a large battery fire testing program. DNV GL conducted the testing. Stat-X also offers regulatory certainty.

[Machine Vision Accelerates Battery Production](#)

[France to open first electric car battery factory](#)

[LGES & Stellantis JV to start battery production in Canada](#)

[Avatr 07 and Neta L are first EVs with CATL's sodium-ion-containing Freevoy battery](#)

[CATL Unveils Freevoy Super Hybrid Battery, Heralding a New Era of Sustainable Travel](#)

[Idemitsu Kosan Advances All-Solid-State Battery Plans](#)

[Volt Carbon Technologies Reaches 1,100 Cycles with Its High Energy Density Lithium Iron Phosphate / Li-Metal Battery](#)

[Coherent Commences Review of Strategic Alternatives for Its Lithium Sulfur Battery Platform](#)

[Fraunhofer ISE opens battery research centre in Freiburg](#)

[IONETIC Unveils Cost-Cutting EV Battery Solution](#)

[Harvard develops a solid state battery that charges in minutes](#)

[Exide Technologies launches innovative lithium-ion Solition Material Handling battery](#)

### ***Battery Materials news***

[Southeast Asia recycling plays catch up ahead of battery boom](#)

[SPARKZ and UMWA Announce \\$9.8 Million Department of Energy Grant for First-of-a-Kind Domestic Lithium Battery Material Production Facility in West Virginia](#)

[More sustainable shredding – better recycling: initial tests at new battery recycling plant successful](#)

[The US EV battery supply chain just got a vital link with the first advanced electrolyte factory](#)

[Europe gets behind Talga battery anode refinery](#)



**The Leading Full Service  
Battery Materials Company**

MORE INFO >

*Make NEI your partner for Battery Material Solutions and discover how our Advanced Materials and Services can elevate your battery technology. Contact us today! <https://www.neicorporation.com/products/batteries/>*

[US approves huge lithium mine to produce EV batteries for 370,000 cars annually](#)

[Volt Lithium Successfully Produces Battery-Grade Lithium Carbonate from Permian Basin Oilfield Brine](#)

[Eramet Suspends Battery Recycling Project In France](#)

[Indonesia apparently supplies nickel battery material to Tesla](#)

### ***Chargers & BMS News***

[Ola Electric's Next-Gen EVs to Feature Swappable Batteries](#)

[DB Schenker: EV Shift with Battery Swap Project](#)

[Govt to soon come out with battery-swapping guidelines for electric buses/cars](#)

### ***Grid Storage Batteries News***

[Tesla to sell home batteries in Japan through Yamada chain, Nikkei reports](#)

[Green light for 100MW Scottish battery](#)

[Moment Energy Awarded US\\$20,3 million by US Dept of Energy to Establish First Certified EV Battery Repurposing Facility in the US](#)

[Australia has 7.8 GW of utility-scale batteries under construction](#)

### ***Battery Industry Upcoming Events***



[5<sup>th</sup> Future Battery Forum \(November 5-6, 2024 | ECC Berlin + online\)](#)

The **leading European management conference** brings together about **1,000 decision makers and senior experts** from the entire battery value system for two days of **exclusive C-level networking**.

On 2 stages, about **90 speakers from industry and politics** will discuss the most urgent topics for the European battery industry in keynotes, panels and tech talks. Besides this, the focus is on **interactive formats like workshops, deep dives and excursions** to industry sights – and not to forget the famous evening reception. **Over**

**90 exhibitors** will showcase the latest technologies and solutions for the battery industry. [www.futurebattery.eu](http://www.futurebattery.eu) – [fbf@ipm.ag](mailto:fbf@ipm.ag)

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## BATTERY EXPERTS FORUM

[The Battery Experts Forum](#) (5-7 November 2024, Darmstadt, Germany) is one of the world's largest exhibitions around battery technology. Sponsors and exhibitors who are among the most important companies in the entire value chain of a battery are part of the international exhibition. In addition to cell and battery manufacturers, you will find suppliers of components and services as well as OEMs. Design, production and manufacturing solutions as well as complete battery systems, materials and components but also test procedures and recycling processes will be exhibited. The focus of the event is placed on the associated conference with the highest scientific standards. Here, over 100 leading users, developers and researchers from international companies and institutes, as well as opinion leaders, will speak about the latest industry trends over the three days of the event.

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### **11<sup>th</sup> Workshop “Lithium-Sulfur Batteries”, November 11–12, 2024, Dresden, Germany,**

Details: <https://www.iws.fraunhofer.de/en/events/lithium-sulfur-batteries.html>

Lithium-sulfur batteries are envisaged to enable energy storage devices with high specific energy at low material cost. Following the success of the past ten years, the 11<sup>th</sup> Workshop “Lithium-Sulfur Batteries“ will again bring together an international audience of renowned scientists and industry representatives who will present latest results, new materials, processes, and applications in the field of Li-S batteries.

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### **EV Batteries: Electrified Vehicle Engineering, British Motor Museum, Warwick, United Kingdom, 12-13 November 2024**

<https://bit.ly/sdle-imeche-evbatteries2024> Join the IMechE's EV Batteries conference to meet with engineers, researchers and industry leaders to discuss the progress in battery electric and hybrid

vehicle development. Hear more about the latest updates in cost efficient design, infrastructure challenges, testing and monitoring across all BEVs, hybrids and off-road vehicles as well as marine and rail application areas.

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[NASA Aerospace Battery Workshop 2024 conference, 19-21/11/2024](#)

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Date: 19-21<sup>st</sup> November, 2024, <https://www.cnibf.net/en/>

As the earliest battery industry exhibition in China, CNIBF is undoubtedly the one-stop platform for batteries industry. Located in Shanghai, the global economic center for international companies to enter into Chinese market, CNIBF is aimed at assisting you to discover new market with one hundred thousand accurate buyer datas and 500+ high quality enterprises from all over the world, including Panasonic, LG, Samsung, MAXCESS, SK CHEMICALS, TUV RHEINLAND, ZTE, BYD, ABB, etc.

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**Shmuel-De Leon Readers Save \$150!**



[AABC USA](#) - Las-Vegas, NV, USA 9-12 December 2024

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NAATBatt 2025, the 16<sup>th</sup> annual meeting & conference of NAATBatt International, will be held on February 17 – 20, 2025, in Orlando, FL, USA. The meeting will feature talks by most of NAATBatt's 330+ members, market analyst reports, interactive breakfast table discussion groups, and the best networking and market intelligence opportunity



anywhere in North America about the advanced battery industry. For more information, [click here](#).

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[17th Battery Japan, 19-21/2/2025, Tokyo, Japan](#)

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13th International Conference

## Thermal Management For EV/HEV 2025



Part of Automotive IQ's EV System-Level Efficiency Week

Automotive IQ is thrilled to announce that the [13th Annual Thermal Management for EV/HEV conference](#) is returning to **Munich, Germany** from 25th - 28th February 2025 featuring **red-hot topics** and **brand-new speakers**. The 2025 Thermal Management agenda will feature **\*brand new presentations and discussions\*** on **PFAS Ban & Future Refrigerants, thermal management modules** and software to control it, **modular thermal management** and **control strategies**, as well as **simulation, modelling & virtualisation**. Speakers from major OEM and Tier-1 companies will also zero-in on the latest advancements in **battery thermal management**, climatisation of the **cabin, immersion cooling** & new cooling technologies and the use of **use AI & machine learning** to design an extremely efficient thermal management system.

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ENERGY  
STORAGE  
NORTH AMERICA

Intersolar & Energy Storage North America (IESNA) is the premier US-based conference and trade show focused on solar, energy storage, and EV charging infrastructure. Dedicated to accelerating the energy transition, the event will deliver forward-looking education, impactful networking, and an expansive exhibit hall experience—including the crowd-favorite Solar Games competition—on February 25-27 in San Diego, California. Learn more: <https://buff.ly/3z5R86K>

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**March 5th-7th, 2025 - InterBattery2025** - InterBattery 2025, first launched in 2013 in Seoul, Korea, has become world top battery exhibition with the world's leading battery manufacturers such as LG Energy Solution, Samsung SDI, and SK On.



Interbattery shows various new products and technologies related to battery industry. Discover your opportunity by broadening your perspective and relationships with InterBattery 2024 : <https://interbattery.or.kr/>

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[International battery seminar & exhibit 2025](#) - March 17-20/2025

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Battery Show Middle East will take place in Dubai, Emirates on April 7-9, 2025

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## **E-TECH EUROPE 2025**

### [E-TECH EUROPE 2025](#)

A showcase for innovation, a global networking platform, a reference point for the industry and a place for both training and sharing information for the entire supply chain: at its fifth edition E-TECH EUROPE 2025 returns at Bologna Exhibition Centre next 15 - 16 April 2025 bringing the entire automotive supply chain together all at once: from manufacturers of individual electrical and electronic technologies, to component developers and vehicle manufacturing companies.

## **RE-BATTERY 2025**

### [RE-BATTERY 2025](#)

RE-BATTERY 2025 returns at Bologna Exhibition Centre next 15 - 16 April 2025: it's Southern Europe's largest international trade fair for battery producers, recycling companies, raw material suppliers and the entire battery supply chain. RE-BATTERY will be hosted by E-TECH EUROPE 2025, the event dedicated to the production and the entire supply chain of all electric vehicles, automotive interiors, transport solutions and much more.

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THE **BATTERY** SHOW  
SOUTH

 electric  
& hybrid  
vehicle technology expo | south

**ENERGY  
STORAGE**  
SOUTH

16-17 April, 2025 | Atlanta, GA

<https://www.thebatteryshow.com/lp/2024/tbs-south.html>

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CLNB 2025 is one of the largest industry event in China's new energy field. Setting together "forum, exhibition, activity", this event will gather **150+** senior speakers, **1,300+** Exhibitors, **9,000+** Conference Delegates and **30,000+** Professional Visitors, focusing on 6 specific sessions covering Battery & Battery Pack, Energy Storage, EV, Battery Materials, Battery Recycling and Country Pavilion. Register and get 10% off using the code 'CLNBSDE':

<https://clnb.smm.cn/en/home?fromId=eb1d86ca8a&from=59>.

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The 16th China International Battery Fair (CIBF2025), organized by China Industrial Association of Power Sources, was originally planned to be held in Shenzhen, China - 12-16/5/2025.

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THE **BATTERY** SHOW  
EUROPE

 electric  
& hybrid  
vehicle technology expo | europe

- Join 19,000+ fellow engineers, executives, thought leaders, professionals and decision-makers at the Messe Stuttgart, Germany on 3-5<sup>th</sup> June, 2024 for three electrifying days, filled with opportunities to source the latest technologies from 800+ exhibitors, develop your industry knowledge at our expertly curated three-track conference and network with like-minded peers.
  - Register Today: <https://register.thebatteryshow.eu/E6PKM>
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AABC Europe 2025, Mainz, Germany, June 23-26, 2025

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[Battery Cells & Systems Expo](#) (9th & 10th July 2025) will bring together automotive manufacturers, electric utilities, battery system integrators, cell manufacturers and the entire manufacturing supply chain. A truly unique showcase, companies from around the world will use the show to launch products and demonstrate their technology to an audience of professionals.

[Vehicle Electrification Expo](#) (9th & 10th July 2025) enables automotive manufacturers to look at the latest powertrain solutions to improve the performance, efficiency, safety and sustainability of vehicles including light electric vehicles, passenger cars, commercial vehicles, buses and off-highway industrial vehicles. The show will bring together the entire supply chain involved in electric and hybrid vehicle manufacture and development showcasing the very latest technologies for this rapidly growing market.

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THE **BATTERY** SHOW  
ASIA

15-17 July, 2025 | Hong Kong

<https://www.thebatteryshow.asia/>

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The 10th World Battery & Energy Storage Industry Expo (WBE 2025)--Hyperlink:

<http://en.battery-expo.com/>

August 8th-10th, 2025, | China Import and Export Fair Complex, Guangzhou  
WBE 2025 will showcase a wide range of products, including various batteries, battery packs, cells, and BMS. Exhibits will feature energy storage solutions, battery charging and swapping technologies, raw materials and components, manufacturing and testing equipment, recycling systems, and international logistics. Additionally, the expo will highlight advancements in hydrogen energy and its applications.

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Solid-State Battery Summit 2025 will take place in Chicago, IL, USA on August 12-13, 2025.

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Schive AS, Asker, Norway together with Shmuel De-Leon Energy will organize the [7th Oslo Battery Days conference](#) in Oslo, Norway, August 18-20, 2025

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## THE BATTERY SHOW

NORTH AMERICA

The highlight industry event for battery and H/EV professionals is back! The Battery Show and Electric & Hybrid Vehicle Technology Expo is headed to Downtown Detroit for the very first time on October 6-9, 2025 at Huntington Place. Link:

<https://register.thebatteryshow.com/>

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[Batteries Event 2025, 5-7/11/2025](#), Lyon, France covers all aspects of the circular economy value chain, starting from the production of the battery to recycling. Its objective is to create a perfect forum where all International battery industry key players such as OEM, cell and pack manufacturers, end users, experts, researchers and recyclers will come together to discuss and exchange on new chemistries, manufacturing process, battery components, battery second life, regulation, future

*expectations and innovations. After a very successful 2026 event that gathered 1100+ participants from the battery industry, their goal is to keep growing and welcome more than 1200 participants, 130+ exhibitors, sponsors & partners as well as 175+ international speakers in 2025! Join them and do not miss THE event where all stakeholders and decision makers gather every year!*

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