



Shmuel De-Leon Energy - Battery Weekly Newsletter

February 16, 2024, No. 737
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Shmuel-De Leon Readers Save \$150!

An advertisement for the International Battery Seminar & Exhibit. It features a background image of a battery manufacturing facility. The text includes the event name, dates (March 12-15, 2024), location (Loews Royal Pacific Resort, Orlando, FL), and a call to action to use discount code 2414-150.

A grid of logos for various battery industry organizations and publications. The logos include: NAATBatt International, bestmag (Energy Storage Publishing, Batteries & Energy Storage Technology), NY BES+ (New York Battery and Energy Storage Technology Coalition), Batteries International, aspilsan (Energy of Technology), Mathis, EUROBAT (Association of European Automotive and Industrial Battery Manufacturers), Soteria, and RRC (Setting Standards in Power Solutions).

Virtual Battery Trainings

25-27/3/2024 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

[February 22-23, 2024 - 2nd Battery Safety, Storage, and Transportation Hands-On Seminar, Waxahachie, TX, USA - program & registration](#)

Special Offers

Need Li-Ion cells? - Shmuel De-Leon Energy is selling Li-Ion cells from majority of the market leading cell makers - Join our cells customers networking group and get a weekly update with cells allocations and cost. shmuel@sdle.co.il

[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](#)

Batteries and Super Capacitors news

[GM head hold talks with Samsung units over EV battery, auto parts cooperation](#)

[SK innovation Announces Record Battery Business Revenue](#)

[BorgWarner Signs International Strategic Relationship Agreement with FinDreams Battery for LFP Battery Packs](#)

[Accelera, Daimler, PACCAR pick Mississippi for battery plant](#)

[John Deere to build batteries in North Carolina factory, launch new EVs by 2026](#)

[Europe's battery boom: Britain, Ireland and Italy lead the charge](#)

[Regenerate Technology Global Secures Battery Plant in Bologna, Italy](#)

[Gotion prepares for environmental reviews of \\$2.4B battery plant](#)

[CATL, BYD, others unite in China for solid-state battery breakthrough](#)

[StoreDot achieves 1,100 cycles with "100in4" battery cells](#)



As a leading global analytics service provider, SGS has extensive expertise in battery testing. With our versatile testing options, we can cover the monitoring of the entire battery production process – from the basic materials to the complete battery system.

SGS INSTITUT FRESENIUS is a strong partner that can support you with a high-end equipment portfolio and advanced analytical methods in the field of material and layer analysis, surface, trace and fault analysis, as well as with a wide-ranging network.

<https://sgs-institut-fresenius.de/en/material-failure-analysis/applications/batteries>

[Tropical Battery acquires US firm Rose Batteries](#)

[Battery tech startup Lohum raises \\$23 Mn in ongoing Series B](#)

[Zeta Energy Receives Federal Grant to Develop Lithium-Sulfur Batteries](#)

[US EV battery subsidy helps Panasonic create record-high net profits](#)

[Celgard, Æsir partner on next-gen battery technology](#)

[Stellantis-Mercedes Joint Venture Nears Huge \\$4.7 Billion Debt Deal For EV Expansion](#)

[Solidion Technology Inc. Is Ready To Produce A Sustainable Key Component In Lithium-Ion Batteries](#)



With a multi-million-dollar battery inventory and unparalleled advanced engineering and production capabilities, [Sager Electronics](#)' team of battery experts designs and produces custom portable power solutions that meet the most exacting specification and performance requirements.

[US House Forces Military To Stop Using Chinese-Made Energy Storage Batteries](#)

[Eindhoven's LionVolt gets charged with €15M to develop sustainable solid-state Li-ion batteries](#)

[LG Energy plans to sell batteries to more EV car makers in India](#)

[Li-S Energy scales up lithium battery manufacturing](#)

[Energizer P28K: Battery experts announce smartphone with huge battery](#)

[NETZSCH highlights complex fluid handling solutions for lithium battery manufacturing](#)

Battery Materials news

[Battery Materials – Delft deeptech CarbonX secures €10M for sustainable alternative to graphite – TFN](#)

[Saryogan Graphite's first lithium-ion batteries show enhanced performance in initial tests; shares jump](#)

[Volt Lithium produces lithium carbonate for battery applications from brine](#)

[IESA launches India Reuse and Recycle Council \(IRRC\) to develop a robust battery recycling and second-life C](#)

[24M Technologies Unveils Eternalyte™ — a Powerful New Electrolyte That Increases Cycle Life of Lithium-Metal Batteries](#)

[Controversial Chinese-Finnish battery plant in Hamina gets environmental permit](#)



Do you need third party verification of your material's performance? NEI's team of electrochemical experts can evaluate your battery materials through a full-service contract or by-the-sample cell level testing services. [Contact us to learn more.](#)

[LiCAP and CENS Awarded Funding Grant to Further Develop Activated Dry Electrode\(R\) with Carbon Nanotube Dispersion Technology to Advance Lithium-Ion Battery Manufacturing](#)

[Anglo American boosts presence in Finland via battery value-chain deal](#)

[Fishers company creates environmentally friendly battery recycling process](#)

[RecycliCo Leads the Charge in Sustainable Lithium-Ion Battery Recycling](#)

[LG Chem signs \\$19bn deal with GM to supply battery materials](#)



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 offer regulatory certainty.

[LG Chem Secures \\$18.6 bn Deal with General Motors for EV Battery Cathodes](#)

[EIB Commits €350 Million to Umicore for EV Battery Materials Innovation and Recycling](#)

[ARA releases battery material use hierarchy](#)



[Aether Industries](#) located in Surat, Gujarat, India, is a leading supplier of electrolyte additives (EAs) to global cell manufacturers and electrolyte formulators. Our current EA portfolio includes Vinylene Carbonate (VC), Fluoroethylene Carbonate (FEC), Dioxathiolane-2,2-dioxide (DTD), Propene Sultone (PS) and Propane Sultone (PPS). For new or existing product inquiries, please contact our business development team, Michelle Pogosaew (The Americas): michelle@aether.co.in or Jalpa Mistry (India/EU) jalpa@aether.co.in.

[Toyota's Eco-Friendly Battery Recycling Revolution and Greener Energy Generation](#)

Chargers & BMS News

[Battery X Metals to acquire battery diagnostics company](#)

[Yamaha Joins Global Move to Battery Swaps for E-bikes](#)

Grid Storage Batteries News

[Lightsource bp energises UK battery project](#)

[BatX Energies off-grid solar EV charging station powered by repurposed MG EV batteries](#)

[Axp0 opens its first large-scale battery storage facility in Sweden](#)

[Trina Storage Secures Deal to Provide Battery Energy Storage Systems for UK Solar Sites](#)



NAATBatt 2024, the 15th annual meeting & conference of NAATBatt International, will be held on February 19 – 22, 2024, at the Omni La Costa Resort & Spa in Carlsbad, CA. 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](#).



[Battery&Power World](#) - The symposium with innovation topics in the battery and power supply industry.

Are you developer, decision-maker, planner, user, energy supplier, battery consultant, mobility provider or technical purchaser in the fields of electromobility, renewable energies/smart grid or industry and medical technology? Then you should definitely make a note of this date! Experts from the fields of #battery technology, #power supply and #power electronics will meet again at Battery&Power World, Munich, Germany, February 27-28, 2024.

BATTERY JAPAN **March** **16th Int'l Rechargeable Battery Expo**

BATTERY JAPAN is the World's Leading Exhibition for Rechargeable Batteries.

Battery technologies are the key to achieving carbon neutrality by 2050 as they will largely contribute to the popularization of renewable energy and EVs. BATTERY JAPAN gathers a broad range of technologies, components, materials, and devices for rechargeable battery development & production. 1,600* exhibitors & 70,000* visitors will gather from all over the world (*including concurrent shows). Visit the show to explore the latest technology.

Dates: Feb. 28 - Mar. 1, 2024

Venue: Tokyo Big Sight, Japan

Web: <https://www.wsew.jp/spring/en-gb.html?monetamediagroup>

12th International Conference

Thermal Management For EV/HEV 2024



Thermal Management for EV/HEV 2024 (5-8/3/2024): Europe's Premier Technical Thermal Management Conference returns to Munich in 2024. According to a thermal management expert at a leading European OEM... 'Thermal management has become more profitable, and has a high market value.' The event will uncover thermal management solutions on both the component and system/vehicle level, optimising cost, efficiency, range and performance while working within actual real-world limitations.



March 6th-9th, 2024 - InterBattery2024 - InterBattery 2024, 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/>



[International battery seminar & exhibit 2024](#) - March 12-15/2024

 Implementation of
ISO 26262 & SOTIF CONFERENCE 2024
AUTOMOTIVE FUNCTIONAL SAFETY WEEK

[ISO 26262 & SOTIF Conference 2024 \(15-18/4/2024\)](#): After the record-breaking success of the 2023 Functional Safety Week in Berlin, mark your diaries for April 2024 as Automotive IQ's Functional Safety Week returns to Germany. Partnering with ISO 26262 & SOTIF Conference offers you the ideal platform to get your message across to an engaged audience of senior decision makers.



Shenzhen International Battery Industry Fair (CNIBF)

Date: 24-26th April, 2024, Website: <https://www.cnibf.net/en/>

CNIBF, the leading battery industry exhibition in China, first launched in 2010 and has more than 13 years of history. Located in Shenzhen, CNIBF is undoubtedly the one-stop platform for batteries industry in a famous new energy industry base, which attracted well-known companies and professionals from all over the world to participate and brought the latest products and technologies, such as Panasonic, LG, Samsung, MAXCESS , SK CHEMICALS, TUV RHEINLAND, ZTE, BYD, ABB, etc.



The Battery Tech Expo UK, Silverstone runs 25th April 2024. The largest technical event in the UK dedicated to the battery supply chains. 150 Exhibitors, 80 Presentations, 2000 professionals. Workshops, Seminars. Free to attend. You can register a ticket from our website – www.batterytechexpo.co.uk



[E-TECH EUROPE 2024](#)

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 third edition **E-TECH EUROPE 2024** returns at **Bologna Exhibition Centre next 8 - 9 May 2024** 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 2024

The second edition of **RE-BATTERY 2024**, the international Exhibition and Conference event for **battery producers, recycling companies, critical raw material suppliers, and the entire battery supply chain**, returns at **Bologna Exhibition Centre next 8 - 9 May 2024**. The event will focus especially on lithium-ion batteries from e-mobility transportation, stationary applications, electric vehicles and e-mobility products, but also lead-acid batteries and e-waste from electronics.



AABC Europe 2024, Strasbourg, France, May 13-16, 2024



Welcome to the **Battery Minerals & Supply Chain Canada 2024** Exhibition and Conference, where leading battery mineral miners and upstream explorers will meet with battery manufacturers and investors in Toronto, Ontario, to explore the latest trends in battery mineral exploration, processing, and the supply chain.



Battery Cells & Systems Expo will take place at the NEC Birmingham, Marston Green, Birmingham from 15th – 16th May 2024. Battery Cells & Systems Expo 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 over 4,500 professionals. Co-Located with Vehicle Electrification Expo, The Advanced Materials Show and The Advanced Ceramics Show, this will be a highly concentrated two days of networking, lead generation and education featuring the leaders and innovators responsible for shaping the future of this industry.



Join the new energy industry: critical minerals, battery materials, battery manufacturing, battery application, energy storage, sodium batteries, hydrogen energy and EV in CLNB 2024! [CLNB 2024](#)(ninth) China International New Energy Industry Expo will be held at the Suzhou International Expo Center – (28-31/5/2024)



- Join 19,000+ fellow engineers, executives, thought leaders, professionals and decision-makers at the Messe Stuttgart, Germany on 18-20th 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/E6PKMX>



The International Flow Battery Forum (IFBF®) is the leading event for the flow battery community. On 25-27 June 2024, the IFBF will hold its thirteenth in-person conference in Glasgow, Scotland. Over three days, the conference will feature talks, panel sessions, networking breaks, a poster session, a conference dinner and a site visit. We will discuss the latest innovations, policy updates and market challenges for the development of the flow battery sector. More than 300 business leaders, policy makers, developers and researchers from all over the world will share information and forecasts around the thriving world of energy storage and the important role of flow batteries. Website: <https://flowbatteryforum.com/>



2024 World Battery & Energy Storage Industry Expo (WBE), 2024 World Hydrogen Energy Industry Expo (WHE)

Date: August 8th-10th, 2024, **Venue:** 1st and 2nd Floor, Area A, China Import and Export Fair Complex

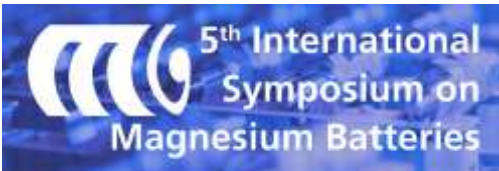
Address: No.380, Yuejiang Zhong Road, Guangzhou, China, **Website:**
<https://en.battery-expo.com/>



[Solid State battery Summit 2024](#) - Chicago. IL, USA August 14-15, 2024



Hans H. Schive from Asker, Norway together with Shmuel De-Leon Energy will organize the [6th Oslo Battery Days conference](#) in Oslo, Norway, August 19-21, 2024



The 5th International Symposium on Magnesium and Multivalent Batteries (MagBatt V) will take place from September 18 to 20, 2024 in Ulm, Germany. We will welcome some of the world's top battery speakers. The conference will feature contributions on magnesium, calcium, zinc and aluminum batteries. More information and registration:
<https://www.postlithiumstorage.org/en/magbatt-v>



[9th Turkey Battery Technologies Summit 2024 – September 25-26, 2024](#)

Our Summit aims to bring together the pioneers of the industry with innovative minds and to convey the latest technological developments and international perspectives to you. Our Board of Directors and Summit Working Group are working with a focus on excellence to make this event unique. With detailed presentations from our experienced speakers and forward-thinking approaches from industry leaders, the summit will be an unforgettable experience for attendees. Summit will address every aspect of the battery ecosystem, from raw material processes to cell production techniques, from extraordinary battery applications to sustainable waste strategies, from advanced charging systems to comprehensive testing and certification processes.

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** returns to Novi from **October 7-10, 2024**, and it's your chance to meet 750+ exhibitors showcasing the latest solutions from across the battery and EV supply chains. Registration is now live, click the link to get your free pass. Link: <https://register.thebatteryshow.com/>



Battery Tech Expo Sweden 2024 - Meet manufacturers, suppliers, engineers, scientists and decision-makers across the Nordic battery value chain.

Product launches, exhibitors showcasing innovations, plus a high profile speaker agenda covering the latest advancements throughout the battery and electric vehicle industries. www.batterytechexpo.se



Batteries 2024, 16-18/10/2024, Lyon, France

Site : <https://batteriesevent.com/>

Linkedin : <https://www.linkedin.com/in/batteries-event-lyon-france-896140146/>

Twitter : @BatteriesEvent



[5th 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 – fbf@ipm.ag

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.



Date: 19-21st 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.

Shmuel-De Leon Readers Save \$150!



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



[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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