



Shmuel De-Leon Energy - Battery Weekly Newsletter

February 2, 2024, No. 735
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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: "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 Association), 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

[Sion Power Raises \\$75 Million for Push to Build a Better EV Battery](#)

[EUROBAT – “Making the European battery sector more competitive, sustainable and resilient: a five-year plan”](#)

[Big Investments May Worsen China’s Battery Capacity Glut, Experts Say](#)

[S. Korean companies’ concerns grow as China lowers battery prices](#)

[Celgard and Æsir Technologies Forge Strategic Alliance to Drive Industry Innovation in Nickel-Zinc, Zinc-Air and Lithium-Zinc Batteries](#)

[Dutch firm LionVolt acquires Scottish battery manufacturer AMTE Power](#)

[LGES to supply EV batteries to Isuzu](#)



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>

[Samsung SDI may use Chinese equipment for LFP battery production](#)

[Moog modular battery concept for heavy equipment is too smart to ignore](#)

[Prologium inaugurates solid-state lithium ceramic gigafactory](#)

[Samsung SDI to invest \\$750 million into Ulsan battery plant](#)

[Costly idea of replacing Chinese EV batteries](#)

[Volkswagen hits the breaks on battery unit IPO](#)

[Lyten Secures \\$4 Million U.S. Department of Energy Grant to Accelerate Commercialization of High-Capacity, Long Cycle-Life Lithium-Sulfur Batteries](#)



[Volume Graphics](#) enables battery inspection using industrial computed tomography (CT) to **find and quantify porosity, inclusions, anode overhang, and delamination**. Peer inside sealed batteries and conduct holistic, high-quality inspections—from R&D to end-of-line quality control. We're here to help you not only attain but surpass your quality and reliability goals in this rapidly evolving industry. Let us show you how.

[LiTHOS Announces Submission of \\$30 Million Follow-on Grant to the US Department of Energy](#)

[Ilika moving forward on two fronts with micro- and automotive battery progress](#)

[Govt. invites bids for 10GWh Advanced Chemistry Cell \(ACC\) battery manufacturing](#)

['Tamil Nadu's EV industry has potential to attract \\$40 billion investments by 2030'](#)



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.

[Battrix to unveil high voltage packs for vehicles at Bharat Mobility Expo 2024](#)

[Northvolt Faces Court Action, Sabotage at Quebec Battery Plant](#)

[Cause of Formula E battery failure still unknown to FIA and ERT](#)

[LG Energy Solution invests in US lithium-metal battery firm](#)

Battery Materials news

[LOHUM teams up with TORK Motors for sustainable recycling of electric motorcycle batteries](#)

[Anglo American partners with GEM on resource-efficient battery material use R&D](#)

[Lithium price plunge inspires some mining companies to scale back](#)

[LS Materials to build \\$56 million battery parts plant in Gumi](#)



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.](#)

[Works begins on \\$3.5B EV battery manufacturing plant in Berkeley County](#)

[Ecobat Appoints Thomas Slabe as Chief Executive Officer](#)

[Samsung SDI invests in overseas mining company to enhance high-nickel battery capability](#)



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.

[Battery Grade Manganese Sulphate Pilot Plant Operational](#)

[BRIN develops low-energy method to recycle used batteries](#)

[Electrolyte additive increases charging rate of lithium metal batteries](#)

Chargers & BMS News

[Eatron Technologies and WMG, University of Warwick develop new approach to estimating EV battery life](#)

[Collaboration develops accurate EV battery health monitor](#)

[OptiMate Launch Game-Changing Battery Charger](#)

[MAN calls for 50,000 charging points across Europe as its eTruck launch sells out](#)

[Kofa To Launch A Next Gen Battery Swap Network For Africa Powering Businesses And Mobility](#)

[Electric car battery giant CATL teams up with Didi to share swapping tech for ride-hailing fleet in new joint venture](#)

Grid Storage Batteries News

[Chinese researchers develop high power density vanadium flow battery stack](#)

[Zenobē Energy to start construction on 300MW/600MWh BESS in Scotland](#)

[Powin leverages battery cell-level data for high-performing grid-scale storage](#)

[Origin picks Fluence for 300 MW battery at Mortlake project in Australia](#)

[Tesla battery energy storage deployments reach new high in 2023](#)

[Origin to build 650 MWh battery next to gas plant in Victoria](#)

[Eesti Energia unveils Estonian battery project](#)

[Bandera Electric partners with SA solar provider on smart grid technology program](#)



[5-7 February 2024 - Shmuel De-Leon Energy will organize the 2nd Medical Battery Conference 2024 as part of MD&M West](#)



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 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



[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)

THE BATTERY SHOW

EUROPE



[The Battery Show Europe and Electric & Hybrid Vehicle Technology Expo](#), 18-20 June, 2024 in Stuttgart, Germany, brings together **16,000 + engineers, executives, managers, thought leaders and professionals** from across the advanced battery and H/EV supply chain. Save the date for 3 days of learning, networking and a chance to meet **800+ exhibitors** showcasing the latest technology and innovations for your next project.

IFBF The International Flow Battery Forum™ 25 - 27 JUNE 2024 GLASGOW, UK

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/>

WBE World Battery & Energy Storage 2024 Industry Expo

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/>

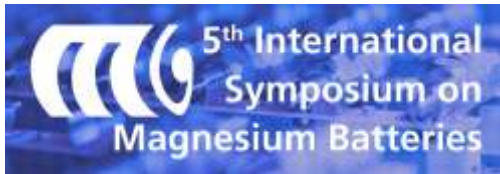


[Solid State battery Summit 2024](#) - Chicago, IL, USA August 14-15, 2024



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 **BAT**TERY 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



[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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