



## Shmuel De-Leon Energy - Battery Weekly Newsletter

January 5, 2024, No. 731  
Sent to 80,000 Battery industry members  
since 1/2010, [Join our mailing list](#)  
[Battery Industry Upcoming updated list](#)  
[Battery market reports 2024](#)

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### *Our advertisers & sponsors*

Shmuel-De Leon Readers Save \$150!

A promotional banner for the International Battery Seminar &amp; 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.



\* Contact us for having your company/event banner in our newsletter - [sigalit@sdle.co.il](mailto:sigalit@sdle.co.il)

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### *Virtual Battery Trainings*

15-17/1/2024 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](mailto: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***

[JAC Group's Yiwei brand rolls off first sodium battery-powered mass-produced vehicle](#)

[First EV fueled with a sodium-ion battery introduced in China](#)

[Last Chance To Invest In Soteria'S Patented Battery Safety Technology Through Startengine Reg-CF Campaign](#)

[Gotion High-tech's First Battery Pack Rolls Off the Line at Fremont Factory in the U.S.](#)

[Tesla moves forward with plan for energy storage battery factory in China](#)

[Nanotech Energy announces 18650 lithium-ion battery that resists burning down homes and cars](#)



*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>

[CATL investment gives RI leg up in lithium battery production](#)

[AMG LIVA Power Management Systems GmbH Acquires the Redox Flow Battery Activities from J.M. VOITH SE & CO. KG.](#)

[Panasonic's new powder-coated batteries will supercharge electric vehicles](#)

[ZEEKR Unveils Next-Generation LFP Batteries](#)

[Exciting Partnership Paves the Way for Revolutionary Electric Vehicle 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.

[Tesla's Cybertruck Faces Hurdles in 4680 Battery Production](#)

[Electrovaya Begins Shipping Infinity-HV Battery Systems](#)

[As IRA looms, Korea's battery makers rush to the U.S.](#)

[Korean-made Batteries Power 80% of Subsidized EV Models in America](#)

The advertisement for SAGER POWER SYSTEMS features a dark blue background. On the left is the SAGER logo in white, with "POWER SYSTEMS" underneath. To the right of the logo is the text "WITHOUT THE RIGHT BATTERY SOLUTION IT MAY AS WELL BE A PAPER WEIGHT." in white. Below this is the tagline "Complete range of in-stock &amp; custom engineered battery solutions." in white. On the right side of the ad is an image of a drone with a camera, and a red button with the text "Learn More" in white.

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.

[German tier one supplier Schaeffler is planning to show solid state battery cells at the CES show in the US next week.](#)

[Hanwha Ocean Attempts Korea's First Submarine Lithium-ion Battery Installation](#)

[New Process Could Boost Solid-State Battery Production](#)

[SK On Leads Global Collaboration for Smart Battery Manufacturing](#)

[Indonesia, CBL reach US\\$420mil deal on EV battery industry](#)

[Changan Auto, Ganfeng Lithium forge partnership to boost R&D of solid-state batteries](#)

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

[Umicore confirms expansion of its EV battery materials production footprint with CAM and pCAM plant in Ontario, Canada](#)

[LG Chem eyeing a recycling-related future for its battery materials plant](#)

[Manganese Supply Deficit Looms as Demand from Alloys and EV Batteries Increases](#)

The advertisement features a blue background with yellow and white text. On the left, it reads "Materials for Sodium-ion Batteries" in large yellow font, followed by "15 different compositions available" in white. A large blue arrow points from this text towards the right. On the right side, there is a logo for "NEI Corporation" with the letters "NEI" in a stylized font and "NEI Corpora" below it. A yellow button with the text "Learn Mo" is positioned below the logo.

*NEI Corporation offers 15 different compositions of Na-ion anode, cathode, and electrolyte materials. Get a quote today!*

Link to: <https://www.neicorporation.com/products/batteries/sodium-ion-battery-materials/>

[India's chemical companies are now eyeing the EV battery value chain](#)

[China's BTR to Invest Up to USD497 Million in Li-ion Battery Cathode Plant in Morocco](#)

[LS Group Chairman Announces Ambitious Plan for Doubling Growth in Secondary Battery Materials by 2030 through CFE](#)

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

[Qnovo's SpectralX: Intelligent lithium-ion battery management software, R&D 100 winner of the day](#)

[Yamaha Motor Sets Up New Battery Swapping Company In Europe](#)

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

[YEO Technology to open Reap Battery gigafactory in Turkey in 2024](#)

[BMZ Group launches nickel-manganese-cobalt battery for commercial applications](#)

[Tion Renewables AG Acquires First Battery Storage Project In Germany](#)

[Aptera secures multimillion-dollar supply deal and investment for solar EV battery packs](#)

[CMBlu Energy's organic flow batteries to be tested in microgrids, cold climates](#)



[Intersolar North America and Energy Storage North America](#) 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 actionable education, invaluable networking, and an immersive exhibit hall experience—including the crowd-favorite Solar Games competition—next January 17-19 in San Diego, CA.

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## **LCA, Recycling, Circular Design And Sustainable Sourcing For EV Batteries & Carbon Neutral Vehicles USA**

American Business Conferences

**LIVE IN DETROIT & ONLINE | JANUARY 23-25, 2024**

The 8th event in the Global LCA for Automotive Series comes to Detroit in January covering recycling, circular design and sustainable sourcing.

Speakers including Sustainability, LCA, Product Design, Engineering and EV Battery Manufacturing experts from companies including **Toyota North America, Canoo, PACCAR, JLR, Volvo Trucks, Ford** and across the supply chain, this is a must-attend automotive sustainability Congress.

<https://www.carbon-neutral-vehicles-lca-congress.com/>

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

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NAATBatt 2024, the 15<sup>th</sup> 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](#).

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## **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?monetamediaigroup>

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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.

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**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/>

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

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[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.

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The Battery Tech Expo UK, Silverstone runs 25<sup>th</sup> 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](http://www.batterytechexpo.co.uk)

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### 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.

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

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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.

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[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/>



**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/>



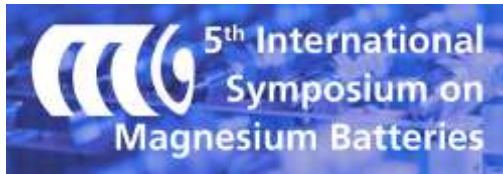
[Solid State battery Summit 2024](#) - Chicago, IL, USA August 14-15, 2024



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

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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>

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#### [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.

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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** 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/>

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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

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



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

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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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**Shmuel De Leon Energy**

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