



## Shmuel De-Leon Energy - Battery Weekly Newsletter

January 12, 2024, No. 732  
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 solar panels. 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***

[Libest Unveils Revolutionary Flexible Batteries At CES 2024](#)

[S. Korea's battery giants focus on LFP amid challenges](#)

[Acculon Energy Unveils Revolutionary Sodium-Ion Battery Products](#)

[UL Solutions & Hyundai Mobis sign MoU for battery development deal](#)

[Mullen Submits Grant Funding Opportunity to DOE for Domestic Battery Materials Processing](#)



*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>

[BYD starts building \\$1.4 billion sodium-ion battery plant in China](#)

[Changan and Ganfeng team up for solid-state batteries](#)

[VW Sees Promising Test Results for Potential Breakthrough EV Battery](#)



[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.

[Hungary Spending \\$2 Billion on Infrastructure Where BMW, CATL Build EV Batteries](#)

[US Subsidy List Covers CATL-Ford Joint Battery Plant, Chinese Newspaper Reports](#)

[Apple's battery supplier TDK claims to develop new silicon batteries, to revolutionise smartphones, other tech](#)

[EV battery prices fell by 50% at end of 2023, says TrendForce](#)

[Two EV models powered by sodium-ion batteries roll off line in China](#)

[Komatsu announces plans to acquire US-based manufacturer American Battery Solutions, Inc.](#)



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.

[XING Mobility Debuts Next Generation Immersion Cooling Battery, the](#)

[Game Changer for Electric Vehicles & Utility Power](#)

[Gotion begins production of LFP batteries in California ahead of Illinois factory opening](#)

[Clarios and Altris announce collaboration agreement to advance sustainable sodium-ion battery technology](#)

[SK On to supply batteries to Chinese-made electric bus](#)

[CTNS signs 9 million dollars ev battery pack supply deal with US-based Aptera](#)

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

[China puts more pressure on U.S. battery makers](#)

[Fujian Changqing Phase II battery recycling project in production](#)

[Enovix and Group14 Announce Collaboration to Develop Best-in-Class Silicon Batteries](#)

[Sienza Energy, a Caltech-Incubated Battery Company developing 3D nano-structured electrodes joins the Dutch Battery Competence Cluster \(BCC-NL\)](#)

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, with "15 different compositions available" in white below it. A large blue arrow points from this text towards the right. On the right side, there is a logo for "NEI Corporation" with the text "NEI Corpora" and "Learn Mo" below it.

*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/>

[Tesla CEO Elon Musk Calms Fears Of Critical Material Shortages, Says Battery Production Happening At Breakneck Pace](#)

[BASF: towards battery recycling with Stena Recycling](#)

[Allve Energy and SYNETIQ collaborate on EV battery recycling](#)

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

[Planned hike in EV charging costs to weigh on carmakers, battery firms](#)

## *Grid Storage Batteries News*

[US battery storage demand to surge within this decade, says SEIA](#)

[LG Energy Plans 10 New Battery Storage Projects for 2024](#)

[Vanadium flow battery lands in WA](#)

[Multimillion dollar SA battery project to commence](#)



[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/>



[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.



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



[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.



[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.



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**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/>

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**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/>

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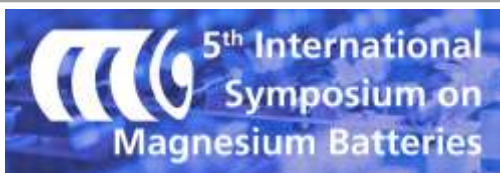
[Solid State battery Summit 2024](#) - Chicago, IL, USA August 14-15, 2024

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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



[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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