



## **Shmuel De-Leon Energy - Battery Weekly Newsletter**

November 24, 2023, No. 725  
Sent to 80,000 Battery industry members  
since 1/2010, [Join our mailing list](#)  
[Battery Industry Upcoming updated list](#)  
[Battery market reports 2023](#)

---

---

### ***Our advertisers & sponsors***

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



---

---

### ***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***

3rd USA EV & ESS Hands-On Battery Design and Production Seminar, December 4-5, 2023, Lake Orion, MI, USA - [Program & Registration](#)

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

### ***Special Offers***

Shmuel De-Leon Energy support customer with Li-Ion cells supply problems via our Far East cell suppliers - Join our cells customers group and get a weekly update with cells allocations and offers. send us request to be added to our cells customers group.

[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***

[NASA's Breakthrough In Battery Tech Paves Way For Electric Aviation](#)

[Taiwan Cement Group to build Canada's largest lithium-ion battery plant](#)

[Biden-Harris Administration Announces \\$3.5 Billion to Strengthen Domestic Battery Manufacturing](#)

[DESTEN Launches Ultra-Fast Charging Lithium Iron-Phosphate Battery, the First LFP Cell Capable of Charging in 6 Minutes](#)



Battery Analysis Software from [Micantis](#) provides the most secure, efficient and responsive way to understand batteries so that you can quickly make effective decisions for your business. Your customers get better technology, you get lower risk. Get started with state of the art artificial intelligence for up

to 10 times less than Voltaiq, contact us to learn how.

[Norway Pitches For Closer Ties With Korea EV Battery Companies](#)

[Changan Auto launches battery-dedicated development plan at Auto Guangzhou 2023](#)

[Forge Nano to Launch U.S Battery Manufacturing Business; North Carolina Gigafactory Planned for 2026](#)

[Nyobolt launches its advanced battery technology to be rolled out as an electric vehicle \(EV\) mobile DC supercharger](#)



[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.

[Korean Battery Manufacturers to Reduce North American Plant Workforce Amid Slowing Electric Vehicle Demand](#)

[GEL targets 250k electric car batteries with 'zero-carbon' lithium production](#)

[Ford says it will be building a \\$1.2 billion electric vehicle battery facility in Becancour, Quebec.](#)

[Suzuki to develop batteries for electricity storage systems with ELIY Power](#)

[South Korean Battery Manufacturers Increase R&D Investment Despite Global Slowdown](#)

[LG Energy may produce mid-nickel EV batteries from 2024](#)



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.

[GE Vernova, ONE to promote American-made batteries in US market](#)

[Toyota advances 'Battery 3R' initiatives for circular economy](#)

[EnergyX Aims New Solid-State EV Battery At The 500,000-Mile Car Of The Future](#)

[Altech Batteries EV battery component project grows eightfold in size](#)

[ZincFive Unveils Expanded Lineup of Nickel-Zinc UPS Battery Cabinets for the Data Center Industry](#)

[Smartville Inc. Awarded \\$2.65 Million in Federal and State Funding to Support its Second-Life Solution for EV Batteries](#)

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

[SK Ecoplant develops core battery recycling technologies](#)

[GKN Hoeganaes highlights use of iron powder in LFP batteries for electric vehicles and renewables](#)

[Green Batteries: RecycLiCo's Lithium Carbonate Qualified by Battery Cell Test](#)

[Eramet inaugurates a pilot plant for the recycling of electric vehicle batteries](#)

[Toyota is turning to startup Redwood Materials for critical battery materials](#)

[Sumitomo Metal Mining looks to boost battery materials output, possibly in US](#)

[Korea will build a lithium salt plant for electric car batteries in Morocco](#)

[Volt Carbon Technologies and Charge CCCV LLC Announces Strategic Relationship in the Supply of Battery Electrolyte and Graphite](#)

[Sodium-ion battery breakthroughs may be key to our electric future](#)

A blue banner with yellow and white text. On the left, it says "Materials for Sodium-ion Batteries" in large yellow font, with "15 different compositions available" in white below it. A large blue arrow points from the text towards the right. On the right, there is the NEI Corporation logo (a yellow circle with "NEI" in blue) and the text "NEI Corporation" and "Learn More" in a yellow button.

*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/>

[LiCAP Technologies and Dürr Systems AG Agree to Provide Breakthrough EV Battery Manufacturing Technology](#)

[US battery firm restarts German silane plant](#)

[Hannans and Serbian steelmaker partner on EV lithium battery recycling](#)

[Planet Positive battery production](#)

[JIOS Aerogel opens Singapore manufacturing plant to produce thermal protection for EV batteries](#)

[Veolia backs lithium hydroxide production for EV batteries](#)

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

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

[Sparton Resources Inc.: VRB Energy Reports on the Successful 10-Year Performance Review for Its Zhangbei 8Mwh Vanadium Flow Battery for the North China State Grid](#)

[Greenlight for 'Europe's largest' battery project in Germany](#)

[South Africa Commissions Flagship Battery Storage Project](#)

[Ameresco to build 50MW US battery](#)

[Pulse Power, a Startup Company in Renewable Battery Development in Korea Expands into the Mongolian Market](#)

[Vertiv Introduces Vertiv™ DynaFlex Battery Energy Storage System to Support Energy Grid Independence for Mission Critical Applications in North America and EMEA](#)



Future Battery Forum  
Berlin + Online

[4<sup>th</sup> Future Battery Forum \(November 27-28, 2023 | ECC Berlin + online\)](#)

“Accelerating Europe’s battery industry: Innovative. Sustainable. Stronger together.” Staged under this motto, the **European management conference & exhibition** brings together over **700 decision makers and senior experts** from the entire battery value system for two days of **exclusive C-level networking**. In keynotes, panels, tech talks and workshops, about 70 speakers from industry and politics will shed a light on these topics: European market ramp-up and local value chains, Manufacturing innovations & gigafactories, Future battery technologies, Lifecycle and sustainability. Over 80 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)

---

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



[AABC USA](#) - 11-14 December 2023

---



[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.

---

**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](#)

---



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](#).

---

## **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>

---

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.

---



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)

---





### 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



[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.

---



[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

---



[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/>

---



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

---



[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.

---



[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.

---

**Shmuel De Leon Energy**

10 Mazal-Arie Street, Hod-Hasharon, Israel 45309 972-77-5010792

[www.sdle.co.il](http://www.sdle.co.il) [shmuel@sdle.co.il](mailto:shmuel@sdle.co.il)

*Copyright © 2023 Shmuel De-Leon Energy. Ltd, All rights reserved.*