



## Shmuel De-Leon Energy - Battery Weekly Newsletter

June 30, 2023, No. 704

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[Battery Industry Upcoming updated list](#)  
[Battery market reports 2023](#)

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### *Virtual Battery Trainings*

Li-Ion Cells Manufacturing Virtual Seminar - 18-19/7/2023 - [Program and registration](#)

1-3/8/2023 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](#)

EV & ESS High Voltage Battery Pack Design Virtual Seminar - 17-19/10/2023 - [Program and registration](#)

### ***Frontal Battery Training***

[September 8th, 2023 - 1st Battery Safety, Storage, and Transportation Hands-On Seminar, Waxahachie, TX, USA - program & registration](#)

TBD - 11st Li-Ion Cells Manufacturing Seminar nRochester, NY, USA - [program & registration](#)

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### ***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 fr free 30 days trial](#)

### ***Batteries and Super Capacitors news***

[Mazda eyes EV battery supply partnership with Panasonic Energy](#)

[Ola commences construction of its 100GWh gigafactory in TN](#)

[LG kicks off colossal ramp-up of US factories for EV and grid batteries](#)

[Korean battery makers lukewarm about expanding production for Renault](#)

## [LPO Announces Conditional Commitment for Loan to Blueoval SK to Further Expand US EV Battery Manufacturing Capacity – DOE](#)



### [TWAICE battery simulation models](#)

TWAICE's coupled electric-thermal-aging battery simulation models serve engineers during battery system development. Model types are based on lab parametrization, cell data sheets or TWAICE's extensive database of battery parameters. Cutting edge features include modeling of swelling force, OCV aging and degradation modes. Interested in being at the forefront of battery development and working with our expert team? [Get a demo.](#)

### [Microvast CEO: Proud to be a Growing American Company](#)

### [China is home and dry in the EV battery race](#)

### [MAN receives a state grant of 24 million euros for the Nuremberg battery factory](#)



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.

### [A new factory in Virginia will make batteries for electric buses and mining trucks](#)

### [Honda, LG Energy hit milestone with EV battery plant in Fayette County](#)

### [Ford, SK joint venture set to receive \\$9.2 billion US government loan for battery plants](#)

An advertisement for Sager Power Systems. On the left is the Sager Power Systems logo, which includes the word "SAGER" in a large, bold, sans-serif font and "POWER SYSTEMS" in a smaller font below it. To the right of the logo is the text "WITHOUT THE RIGHT BATTERY SOLUTION IT MAY AS WELL BE A PAPER WEIGHT." Below this text is the phrase "Complete range of in-stock &amp; custom engineered battery solutions." On the right side of the advertisement is a photograph of a drone with a camera attached, flying over a stack of papers. A small red button with the text "Learn More" is visible in the bottom right corner of the image.

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.

[Ampcera Selected as a Finalist in “LGES Battery Challenge 2022” for Advancing Solid-State Battery Materials](#)

[Another \\$160 million to grow Binghamton's battery industry? BU targets new NSF funding](#)

[Safran and Volocopter Explore to Drive eVTOL Future Forward](#)

## ***Battery Materials news***

[A New Beginning: Bolivia Tries to Put the Future of Lithium on Track](#)

[USABC Awards \\$2.6M Lithium Electrode-Based Cell Development Contract to Farasis Energy](#)

[EU mandates recycled content for batteries](#)

[Chinese Lithium Battery Material Suppliers Huayou, CNGR to Build More Overseas Plants](#)

[LG Chem begins mass production of single-crystal cathodes](#)

[Umicore speeds up its EV battery materials R&D with unique large-scale prototyping center for solid-state battery materials](#)

[Battery electrolyte makers expand in the US](#)

[POSCO and CNGR to build \\$1.2 bn battery materials plants in Korea](#)

[Lithium-Ion Battery Recycling Plant To Be Built In Taiwan By RecycliCo & Zenith](#)

[L&F, Mitsubishi to develop new battery anodes](#)



**Cathode & Anode Electrode Sheets  
for Li-ion and Na-ion Batteries**

**Powered  
NANO** 

NEI offers a variety of cathode and anode electrode sheets for both Li-ion and Na-ion batteries. Choose from our standard catalog or customize to your specs. [Click to learn more!](#)

[Nissan Takes the Long, Costly Road to Reusing EV Batteries](#)

[Talga secures €150m from EIB for Swedish battery anode project](#)

[Key material, solid electrolyte, created for all-solid-state batteries](#)

[Factbox - Graphite producers doing deals with automakers and battery groups](#)

[Concordia partners with Arkema and Rondol for battery innovation](#)

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

[UL Solutions Warns of Unauthorized UL Marks on Battery Chargers](#)

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

[Largest vanadium flow battery in Southern Hemisphere ready to go live at Port Pirie](#)

[Delimara power plant to get 60MWh battery energy system back-up](#)

[India to Invest \\$455 mn Towards Battery Storage Systems](#)



Join us at the Gaylord National Resort & Convention Center in Maryland from June 27-30, 2023, for the [49<sup>th</sup> Power Sources Conference!](#) The Power Sources Conference is the oldest continually held biennial conference devoted to research and development of power source, energy conversion, power distribution and management technologies for military use. The conference goal is to bring Government, industry and academic researchers and developers together to discuss advances in power and energy technologies to support the growing power demands of military platforms and electronic systems. Attendees are comprised of representatives from organizations within DoD and other Government Agencies who are responsible for the design, research, development, engineering and transition of power and energy components and systems, along with industry and academic partners supporting collaborative research and manufacturing of such products. The conference features technical presentations and exhibits on the latest advances in materials, primary and rechargeable batteries, fuel cells, and power systems while offering the opportunity network with Government researchers, academic and industrial colleagues.

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[Battery Cells & System Expo 2023](#) - 28-29 June, 2023, 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 thousands of professionals.”

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**10th Workshop “Lithium-Sulfur Batteries”, July 3-4, Dresden, Germany**

Details: <https://www.iws.fraunhofer.de/en/events/lithium-sulfur-batteries.html>

Lithium-sulfur batteries are envisaged to enable energy storage devices with high specific energy at low material cost. Following the success of the past years, the 10th anniversary of the Fraunhofer IWS “Lithium-Sulfur Batteries” workshop will again bring together an international audience of renowned scientists and industry representatives who will present latest results, new materials, processes and applications in the field of Li-S batteries.

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[Lithium & EV Battery Raw Material Supply Chain, Europe 2023](#) - July 5-6, 2023, , The focus of the conference is **understanding what the roadmap looks like in terms of investing in next-generation infrastructure to enable Europe to be more self-sufficient**. In terms of **mining, refining, and recycling**.

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WORLD BATTERY INDUSTRY EXPO

世界电池产业博览会

August 8-10, 2023, Occupying 8 exhibition halls in China's biggest expo complex, WBE 2023 will see a record-high show space of 100,000 sq.m with over 1,000 exhibitors. More details on <http://en.battery-expo.com/>

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[Solid State Battery Summit - August 8-9, 2023](#)

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Hans H. Schive from Asker, Norway together with Shmuel De-Leon Energy will organize the [5th Oslo Battery Days conference](#) in Oslo, Norway, August 21-22, 2023

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September 4-5, 2023 - Welcome to the Electric Vehicles [BATTERY TECH EUROPE 2023](#) Exhibition and Conference, where electric vehicle battery technology innovators will meet with leading automotive manufacturers to explore new battery technologies and battery management systems for use in next-generation electric vehicles.

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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 **September 12-14, 2023**, 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/zKVWBI>

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[ACI's 11th Energy Storage conference](#) is scheduled for 13th-14th September 2023 in London. The conference will address industry challenges and opportunities, focusing on topics such as grid connections, hydrogen storage, and alternative energy storage systems. It will serve as a valuable platform for knowledge sharing, networking, and forging partnerships. Senior representatives from utility providers, power generators, technology developers, energy storage service providers, and policy regulators will come together to participate in the two-day event. For special members/subscribers discounted registration or for the updated brochure, please contact **Mohammad Ahsan** on +44 (0)20 3141 0606 or [mahsan@acieu.net](mailto:mahsan@acieu.net)

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### **Dry Coating Forum – Shaping the Future of Dry Battery Electrode Processing, September 12-13, Dresden, Germany**

Details: <https://www.iws.fraunhofer.de/en/events/dry-coating-forum.html>

Dry battery electrode coating contributes towards greener, more efficient battery production. Toxic solvents are avoided, the equipment footprint is reduced and energy costs for the intensive drying step are omitted. It is expected that dry battery electrode coating will become the industry standard. Fraunhofer IWS launches the “Dry Coating Forum”, where material suppliers, equipment manufacturers, cell producers and end users exchange information about developments and challenges in dry coating technologies.

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The Battery Tech Expo Sweden (28/9/2023) is the number 1 event to do business in the battery sector within the Scandinavian region. Running the 28<sup>th</sup> September at the Lindholmen Conference Centre in Gothenburg the event brings together professionals from across the arena to network, share knowledge and do business. The event will feature exhibitors showcasing the latest products and services along with a high profile speaker agenda



providing insight across a range of topics. The event is free to attend. You can register tickets from our website – [www.batterytechexpo.se](http://www.batterytechexpo.se)

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After a very successful 2022 event that gathered 750+ participants from the battery industry, Batteries Event goal is to keep growing and welcome nearly 1000 participants in 2023! Batteries Event is a perfect forum where all the battery industry stakeholders meet, discuss industry trends and best practices - from the battery production to its recycling - covering all aspects of the circular economy value chain. In 2023, Batteries Event will have the pleasure to welcome 140 international speakers & nearly 100 exhibitors!

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

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

Twitter : @BatteriesEvent

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After a very successful post-pandemic event last May, the sixth FENIBAT Expo + Conference will gather in Londrina, Brazil, the whole South American Battery industry with its suppliers from all over the world in October 2023. It will include the second FENILITIO, focused on Li-ion and all nascent chemistries. The 700 expected attendants will find a renewed FENIBAT, with more than 20 presentations and over 120 brands Exposition in a new venue, the pleasant and wide space of the Village Events Londrina. The FENIBAT + FENILITIO, the biggest battery event in Latin America, is a must-attend show for all suppliers of the battery industry interested in the South American market.

[www.fenibat.com](http://www.fenibat.com) – [fenibat@fenibat.com](mailto:fenibat@fenibat.com) - +55 43 999 37 49 11

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“Welcome to the [EV BATTERY RECYCLING & REUSE 2023](#) Exhibition and Conference (October 23-24, 2023), where leading automotive companies will meet with experts in Frankfurt, Germany, to explore end-of-service battery recycling and repurposing initiatives for the next generation of electric vehicle batteries. The automotive industry is fast-evolving, and with it, rapid growth in manufacturing lithium-ion batteries for use in electric vehicles. With earlier developed EV batteries approaching the end-of-life, it is now increasingly

important to address the economic, environmental, and strategic benefits of recycling and repurposing spent batteries and establish a circular economy.”



[The 13th Battery Safety Summit 2023 - November 5-7, 2023](#)



[The Battery Experts Forum](#) (7-9 November 2023, 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.



[4th European Electric Vehicle Batteries Summit 8th - 9th November 2023](#) in London, UK. The two-day event will look at what can be done with a battery's second life, dealing with sustainability and waste management, and the relevance of the range concern. The event will bring together leaders from major EV battery producers and vehicle manufacturers, sharing their knowledge and their experience with the latest technology developments.



The **management conference with accompanying exhibition** brings together the entire value system of **battery technologies: Across industries, users, battery system & cell manufacturers and their suppliers** will spend two days exchanging ideas and information, making new contacts and discussing how the industrial ramp-up with a **high market share of battery-driven solutions in Europe** can be achieved. Around **700**

participants, 80 sponsors & exhibitors and 70 speakers are expected on-site. [www.futurebattery.eu](http://www.futurebattery.eu)

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

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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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[Shmuel De-Leon Energy will present and exhibit at NAATBatt 2024 Annual meeting & conference, California, USA 19-22/2/2024](#)

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## **Int'l Rechargeable Battery Expo BATTERY JAPAN**

28 February - 2 March 2024 - 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 batteries development & production. The show attracts professionals from all over the world.

Exhibit and visit BATTERY JAPAN to meet industry professionals face to face.

[>> Exhibiting Info Request \(FREE\)](#)

[>> Visitor Ticket Request \(FREE\)](#)



**March 6th-9th, 2024 - InterBattery2024**, first launched in 2013 in Seoul, Korea, is Korea's leading battery exhibition showcasing various new products and technologies of battery industry. InterBattery 2024 attracts more than 400 exhibitors(domestic/overseas) and 1,200 booths including global top corporates of battery manufacturers such as Samsung SDI, LG Energysolution, SK On, CATL. **CHARGE Your Business through InterBattery 2024** ! The link for our website is : <http://interbattery.or.kr/en/>

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

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

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17-20/6/2024 - [The Battery Show Europe](#) and Electric & Hybrid Vehicle Technology Expo, 17-20 June 2024 in Stuttgart, Germany, bring together **10,000 + engineers, executives, managers, thought leaders and professionals from** across the advanced battery and H/EV supply chain. Register for 3 days of learning, networking and a chance to meet **600+ exhibitors** to source the latest technology and solutions for your next project.

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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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