



## Shmuel De-Leon Energy - Battery Weekly Newsletter

March 24, 2023, No. 690

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[Battery market reports 2023](#)

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### *Virtual Battery Trainings*

EV & ESS High Voltage Battery Pack Design Virtual Seminar – March 30, April 3-4, 2023 - [Program and Registration](#)

17-19/4/2023 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](#)

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

16-17/3/2023 - 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***

[Samsung SDI confirms the production of lithium iron phosphate and cylindrical batteries](#)

[Hungary Among Leaders in Global Race for Battery Manufacturers](#)

[Nikola to complete battery manufacturing move from Cypress, Calif. to Coolidge, Ariz. by April 2023](#)

[Skoda to increase battery system production in 2023](#)

[China's battery producer EVE launches 10-bln-yuan battery project in NE China](#)



### **ees Europe - Munich, June 14-16, 2023**

This year, ees Europe is experiencing tremendous growth. The exhibition is growing by over 100 percent to more than four exhibition halls. As every year, the who's who of the storage industry are meeting here. The ees Europe is part of The smarter E with a total of 1,600 exhibitors, including over 600 suppliers of energy storage solutions. [Exhibitor List](#)

[Unico Launches New Quantum Drive Platform for High-Efficiency Battery Testing](#)

[Norway: Eldrift and Morrow Batteries in 1.5GWh MOU for LFP cells](#)

[Indonesia Set to Become Third-Largest Lithium Battery Producer: Luhut](#)

[Samsung SDI to Unveil Super-wide-gap Battery Technology at InterBattery 2023](#)

[Microvast Selected by MAFI & TREPEL as Battery Supplier for Their Electric Tractors](#)



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.

[Talks ongoing with GM for potential battery partnership: Samsung SDI CEO](#)

[CATL Signs Partnership Agreement with Automaker BAIC Group](#)

[Nissan to Develop Solid-state Batteries for EVs](#)

The advertisement for Sager Power Systems features the company logo on the left, 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, the text reads 'WITHOUT THE RIGHT BATTERY SOLUTION IT MAY AS WELL BE A PAPER WEIGHT.' Below this, it says 'Complete range of in-stock &amp; custom engineered battery solutions.' On the far right, there is an image of a drone and a stack of papers. A red button with the text 'Learn More' is partially visible at the bottom right.

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.

[Freyr Battery to launch test production in Norway](#)

[Foxconn says it will build EV batteries in Wisconsin and Ohio](#)

[Farms going green with battery-powered tractors](#)

[Designwerk Launches New Generation of Battery Systems](#)

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

[Vanadium electrolyte factory to be built in Australia, with high hopes for flow batteries](#)

[Meta Materials Signs Joint Development Agreement for Battery Materials with a Global OEM](#)

[Altilium Metals to accelerate development of UK's largest EV battery recycling facility following succesful scale-up of proprietary technology](#)

[Bridging the Gap: Advancing America's Battery Manufacturing and Supply Chain II](#)

[Lithium Prices Slide As A Surplus Of The Key EV Battery Material Looms](#)

[Fortum Battery Recycling receives permit to start battery recycling operations in Germany](#)

[Battery Recycling Company Jcnico Nets more than 100 Mn in Series B](#)

[As North American Carmakers Turn Away From Chinese Supply Of Battery Materials, They Are Looking To Regional Suppliers Like Arianne Phosphate Inc \(OTC: DRRSF\)](#)

[MRIWA signs Korean deal that could boost battery chemicals](#)

[NEO Battery Materials is Disrupting the Lithium-Ion Battery Industry with Silicon Anode Materials](#)

[Israeli company to start collecting lithium-ion batteries for recycling](#)



[NEI Corporation](#) is your go-to source for commercial solid electrolyte materials, with a variety of sulfide, oxide, phosphate, and polymer electrolyte compositions to choose from. Link to: <https://www.neicorporation.com/products/batteries/solid-state-electrolyte/>

[Battery industry cautiously welcomes new EU legislation](#)

[Hydro strengthens position in sustainable battery materials through investment in Lithium de France](#)

[POSCO Chemical to Present Full Battery Components Lineup at Seoul Battery Fair](#)

[Battery Anode Materials Developer Tanovus Secures Pre-A Round Financing](#)

[Enel S p A : X and MIDAC join forces to develop a sustainable lithium battery supply chain in Italy](#)

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

[CATL to Build Battery Swap Stations in Fujian for Trucks](#)

[Mitsubishi Logisnext Americas Group launches new lithium-ion battery and charger solutions for UniCarriers® Forklift product line](#)

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

[Synergy plans bigger \\$650m battery for Kwinana as south-west grid gets greener](#)

[Microvast commits to becoming an industry leader with high energy density, long-life utility-scale ESS solution and new Energy Division](#)

[Fengate Closes Partnership for Battery Energy Storage System Platform](#)

[AEG unveils high-voltage residential battery](#)

[California distributed battery storage company Electriq Power in 'estimated' US\\$300 million deal](#)

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At the [1st Battery Conference](#) in Belgrade, we will talk about the development of the battery business in the wider Balkan region, about the ecological acceptability of batteries from "birth to death", the research of new materials ... There will also be many panels where we expect interesting discussions from the participants. We managed to attract eminent experts from the entire region to the conference.

The day before the conference, we will also prepare a Student Tribune on batteries.



The second edition of **E-TECH EUROPE**, the international trade fair for **the battery industry and technologies for electric vehicles and e-mobility**, returns at **Bologna Exhibition Centre next 19 - 20 April 2023**. The show, which will bring together **more than 200 companies**, research centres and institutions in Bologna, (Italy) at the heart of the Italian Motor Valley, is to mark an unmissable opportunity for the Electricity 2.0 and zero-emission electric mobility industries - the event to get updated, compare notes, have a preview of the latest market trends while live testing the technological innovations proposed by the exhibitors.

Register now and get your free ticket [here](#)



[Battery tech Expo](#) - The UK's largest one day battery industry event bringing together hundreds of industry buyers, specialists and suppliers. From corporate buyers, suppliers and industry specialists, this event is where the battery industry meets year after year, to connect, learn and discover the latest developments and products. 100 Exhibitors, 30 Presentations, 2000 professionals.





The [World Energy Storage Exhibition & Forum](#) will take place on **10-11 May 2023** at the Rotterdam Ahoy, co-located with [World Hydrogen 2023](#). Bringing together the world's energy and battery technology pioneers paving the way for crucial energy storage advancements to solve many of the current energy issues. Showcase your storage technology and solutions and establish key cross-sector partnerships to enable a resilient energy future.

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The [15th China International Battery Fair](#) (CIBF2023), organized by China Industrial Association of Power Sources, was originally planned to be held in Shenzhen Convention & Exhibition Center. The novel corona virus is spreading all around the world. In order to protect the health and life safety of exhibitors, visitors and partners, and ensure the exhibition results of exhibitors at home and abroad, we solemnly announce: the 14th China International Battery Fair, CIBF2021 will be held in Shenzhen Convention & Exhibition Center on May 16-18, 2023, and the exhibition venue, booth number and area of exhibitors will remain unchanged.

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23-25/5/12/2023 - [The Battery Show Europe](#) and Electric & Hybrid Vehicle Technology Expo, 23-25 May 2023 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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[4th European Electric Vehicle Batteries Summit 6th - 7th June 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.*

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[InterBattery](#), Asia's No.1 Battery Exhibition, is now expanding across the world to provide further opportunities to world battery companies by launching its first European edition in Munich, Germany in June, 2023. InterBattery Europe is taking place within The Smarter E Europe to provide various programs for practical solutions and business development and as well as opportunities to gain the latest trends and insights for the entire battery industry value chain in one place, at one time. Connect with the global leaders of the battery industry, including Samsung SDI, LG Energy Solution and more, this June 14-16 at InterBattery Europe.

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**Shmuel De-Leon Readers SAVE €150 with Keycode 2328-150**



[AABC Europe - 19-22 June 2023](#)

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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.



[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.”



**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.



**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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**Shmuel De-Leon Readers Save \$150 with Keycode 2358-150**



[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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**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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# BATTERIES EVENT 2023

Batteries Event 2023 will take place in Lyon, France, 10-13/10/2023. Our ambition: to be a must-attend event for those who want to meet with high level representatives and have a clear vision of the profound transformations to come, made possible by the massive growth of the battery industry in Europe. We will welcome you in Lyon, from October 18 to 21, at Palais des Congrès. We expected +500 attendees, 100 international speakers and +60 booths.

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

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Future Battery Forum  
Nov 27 - 28, 2023 // ECC Berlin + Online

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/>



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

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