



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

July 28, 2023, No. 708

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

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### *Virtual Battery Trainings*

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, Rochester, 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.

New:  
Na-Ion cells  
LMFP cells  
46800 Li-Ion and LFP cells

[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***

[Electrovaya Launches Infinity-HV Battery Systems for Electric Bus, Truck and Energy Storage Applications](#)

[The Electric: A Startup Emerges to Produce Sodium-ion Batteries in the U.S.](#)

[India rejects Megha-Chinese automaker BYD's \\$1 billion plan for four-wheeler facility](#)

[Tata's gigafactory gives Britain's battery industry potential at last](#)  
[Nissan preps an old engine plant to make solid-state EV batteries](#)

[Mahle & ProLogium to develop thermal management for solid-state batteries](#)

[The U.S. is getting a new EV battery cell electrode facility](#)

[Domestic EV battery production is surging ahead, thanks to small clause in Inflation Reduction Act](#)

[BYD Battery Joint Venture with FAW Sees 1st Battery Pack Roll off Line](#)

[Hyundai Motor Group and Seoul National University Open Joint Battery Research Center to Secure Global EV Leadership](#)

[CATL to develop electric aircraft](#)



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[Sakuú Receives Up to \\$100 Million Letter of Commitment for a Supply Chain Credit Facility, Paving Way for Mass Adoption of Next-Generation Battery Manufacturing](#)

[German carmaker orders Na-ion batteries from China](#)

[Dragonfly Energy Scores Milestone with Completion of U.S. Lithium Battery Cell Pilot Line; Shares Surge In Response](#)

[Start-Up Nuvola Technology Eliminates Primary Cause of Lithium-Ion Battery Fires](#)

[Comau is developing innovative battery cell formation solutions with the GIGABAT project](#)

[BMW is partnering with a battery startup on a new EV that gets 600 miles per charge — a potentially record-setting range](#)



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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.

[Electrovaya launches Infinity-HV battery for heavy-duty applications](#)

[India To Reopen Bids for Advanced Chemistry Cell Manufacturing PLI Scheme](#)

[E-bike and e-scooter battery fires are killing people. Here's how to save lives](#)

[Korea, China, Japan Heat up Race for Battery Patents](#)

[Re-auction of PLI for batteries soon](#)

[Energys integrates its TPPL technology with Yale Power Key and Hyster Power Collect](#)

## ***Battery Materials news***

[New 'gigafactory' using lithium mined in Cornwall sparks mining revolution hope](#)

[China Focus: China boosts recycling tech to meet power battery challenge](#)

[China's Ronbay Gets Go-Ahead to Hike Battery Materials Capacity in South Korea](#)

[Georgia Tech researchers find aluminum-foil anodes effective for solid-state batteries](#)



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

Powered  
**NANOMY**

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!](#)

[Umicore Invests in Blue Current to Enhance Solid-State Battery Technology](#)

[American Group14 will start production of lithium-silicon traction battery raw](#)

[materials in Germany](#)

[The UK's first battery recycling plant opens](#)

[Dragonfly Energy completes U.S. lithium battery cell pilot line](#)

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

[Mitsubishi Fuso & Ample trial truck battery swapping](#)

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

[Austrian utility starts building 300 MWh organic flow battery project](#)

[Australian manufacturer unveils 5.12 kWh battery for residential applications](#)



**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](#)



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 **BAT**TERY 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/zKVVWBI>

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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.



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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Join us at the **EV Battery Technology Conference and Exhibition 2023!** October 23-24, 2023 - Discover the latest breakthroughs in electric vehicle battery technology. Explore cutting-edge innovations, network with industry leaders, and gain valuable insights into the future of sustainable transportation. Don't miss this opportunity to be part of the revolution. Register now and secure your spot at the forefront of EV battery advancements. Event's Link: [www.evbatterytechconference.com](http://www.evbatterytechconference.com)

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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.”

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LIBE 2023, Li-ion Battery Europe 2023, 29 – 31 October, Budapest, Hungary.

I am here to humbly invite you to take part in LIBE 2023, a leading global platform that unites the full Li-ION Battery value chain, gathering 800+ leading Scientists, Investors, Project Developers, Financiers, Technology suppliers, and other stakeholders in the field of lithium-ion battery to discuss the latest advancements, share insights, and exchange ideas on how to improve the performance, reliability, and safety of Li-ion batteries.

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

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[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.

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[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.

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Future Battery Forum  
Berlin + Online

### [4th 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)



[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 \(FREE\)](#)

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**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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[Battery Cells & System Expo 2024](#) - 15-16 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 thousands of professionals."

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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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