



Shmuel De-Leon Energy - Battery Weekly Newsletter

November 3, 2023, No. 722
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Virtual Battery Trainings

Li-Ion Cells Manufacturing Virtual Seminar - 15-16/11/2023 - [Program and registration](#)

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

1st European EV & ESS high Voltage Battery Development Hands-On Seminar, November 29 – 30, 2023, Graz, Austria - [Program & Registration](#)

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

12nd Hands-On Li-Ion Cells Manufacturing Seminar, Rochester, NY, USA, December 7-8, 2023 - [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

[Acculon pursuing up to \\$50M for industrial batteries](#)

[Toyota plans EV battery manufacturing plant update](#)

[SVOLT is looking at Finland for new battery factory](#)

[CATL's Guizhou battery base starts operation](#)

[Cadenza Innovation aims to help decarbonize the grid with high-tech batteries](#)

[Battery Maker AESC Raises \\$1 Billion as It Eyes US IPO](#)



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.

[ABF breaks ground on LFP battery factory in Arizona](#)

[Investment Potential Soars as BMW Targets EV Battery Efficiency](#)

[Sicona, the Aussie battery innovator charging ahead](#)

[Next-Generation Chevy Bolt EV To Use LFP Battery Cells](#)

[Ensurge Micropower Signs Agreement with Leading Medical-Device Manufacturer](#)



[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.

[Dukosi Ltd, the technology company revolutionizing the performance, safety and sustainability of battery systems, and Suzhou Hengmei Electron Technology have announced the Joint Development Laboratory at Hengmei's facility in Suzhou, China.](#)

[BMW Moves Closer to Developing Lower-Cost Battery Cells](#)

[Nissan Aims To Be 'In The Top Group' With Cheaper, Better All-Solid-State Batteries](#)



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.

[Samsung SDI logs record-high Q3 sales on solid EV battery demand](#)

[24M Technologies presents Electrode-to-Pack battery system for EVs, ESS](#)

[Panasonic reduces production of electric vehicle batteries](#)

[US Battery Giant Energizer Eyes Acquisition of Troubled APS Factory in Belgium](#)

[New Technique Developed to Improve Lithium-Ion Batteries for Electric Cars](#)

[Fluor Awarded FEED Contract for World's First Industrial-Scale Sodium-Ion Battery Production Facility](#)

[Hyundai Motor orders EV batteries from Samsung SDI for first time; high nickel with Si-based anode](#)

Battery Materials news

[Graphex Technologies Reinforces its Diverse Mine-to-Battery Global Strategy Following the Announcement of Graphite Export Limits from China](#)

[Electric Vehicles Rejoice: Scientists Develop Cobalt-Free, Cost-Efficient Battery Production](#)

[Ampcera's Graphite-Free Solid-State Battery Technology Reaches a 5,000-Cycle Milestone Ahead of China's Export Restriction on Graphite](#)

[Senior secures production order for EV battery cooling plates](#)

[Powering Sustainability: Technology innovations in EV battery recycling](#)

[EV battery material facility coming to southeastern North Carolina](#)

[Urbix secures strategic investment and establishes JDA with leading mining investor Appian Capital, positioning it to become a key graphite supplier to the lithium-ion battery industry](#)

[Stellantis Enters EV Battery Recycling Agreement](#)



[NEI Corporation](#) offers a variety of commercial sulfide, oxide, phosphate, and polymer electrolyte materials. Learn more today! <https://www.neicorporation.com/products/batteries/solid-state-electrolyte/>

[Element 25 to deliver first North American battery grade manganese sulphate processing facility](#)

[Analysis-Global EV battery supply chain puzzles over China graphite curbs](#)

[ASTRABAT project releases new video on its latest material innovation in all-solid-state lithium-ion batteries](#)

[Battery Makers Hunt for Graphite Ahead of China Controls](#)

[American Battery Technology Company Continues to Advance its Commercial-Scale Hydrometallurgical Battery Recycling Facility](#)

[Achieving Coating Uniformity in Battery Electrode Production](#)

Chargers & BMS News

[Powercast has integrated its over-the-air RF wireless charging technology with Nichicon's small lithium titanate oxide battery \(SLB\) in thin stylus demo.](#)

Grid Storage Batteries News

[Time Energy Storage commences production of megawatt-level aqueous organic flow batteries](#)

[Organic flow battery developer secures \\$106 million growth investment](#)

[Alysm Energy develops non-flammable battery storage tech](#)



[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.



International EV Batteries 2023: Cost-Effective Engineering for Hybrid and Electric Vehicles, Aston Villa Football Club, Birmingham, United Kingdom, 7-8 November 2023 - www.imeche.org/evbatteries

International EV Batteries 2023 will continue the discussion around the latest developments in battery design, testing, thermal management, charging and integration right across the lifecycle for a more resilient and cost-effective battery. Join this two-day conference to network with a variety of industry experts from pioneering battery and vehicle manufacturers to testing and safety specialists.



[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.



8th Turkey Battery Technologies Summit 2023 – November 22-23, 2023

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.



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 – fbf@ipm.ag



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.



[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 15th 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](#).

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 - 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



[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.



The Battery Tech Expo UK, Silverstone runs 25th 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



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.



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.



[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

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 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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