



## Shmuel De-Leon Energy - Battery Weekly Newsletter

March 29, 2024, No. 743  
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### Virtual Battery Trainings

6-8/5/2024 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](#)

16-18/4/2024 Virtual EV and ESS High Voltage Battery Seminar [Program and registration](#)

## ***Frontal Battery Training***

[1st European EV & ESS High-Voltage Battery Development Hands-On Seminar, June 24-25, Graz, Austria](#)

## ***Special Offers***

Need Li-Ion cells? - Shmuel De-Leon Energy is selling Li-Ion cells from majority of the market leading cell makers - Join our cells customers networking group and get a weekly update with cells allocations and cost. [shmuel@sdle.co.il](mailto:shmuel@sdle.co.il)

[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***

[American Battery Factory lines up equipment partner for Tucson 'gigafactory'](#)

[Subaru And Panasonic Collaborate For New Hybrid And EV Batteries, New Models Are Coming](#)

[SK On talks battery JV with Nissan](#)

[New Indonesia battery plant starts in April](#)

[Battery component manufacturer H&T Recharge announces \\$110M plant in De Soto](#)

[Ampac Unveils Jumbo-Power Series Cylindrical Lithium-ion Batteries, Driving a New Era of Global Energy](#)

[EIB finances Northvolt's battery factory with over \\$1 billion](#)

[CATL working with Tesla on fast-charging battery cells](#)



**We Are Looking for Battery Experts** - as we build a global and international team which is dedicated to pushing battery cell contacting technologies, we are looking for professionals with a passion for excellence and a drive to shape the future of battery cell production technologies. You want to be a pioneer? Apply now!

**Join INGUN – Where Innovation Meets Excellence**

[Gotion sues west Michigan town, accusing board of blocking \\$2.4B EV battery plant](#)

[LG Energy Solution makes breakthrough in battery lifespan](#)

[Tesla produces enough battery cells for 1,000 Cybertrucks a week](#)

[Eve Energy considers building battery factory in Coventry](#)

[ProLogium ready with P-C-R next-generation solid-state battery technology](#)

[Chinese-Canadian Duo Charged with Attempting to Sell Tesla's Battery Technology](#)

[A battery price war is kicking off that could soon make electric cars cheaper. Here's how](#)

[30% Increased Cycle Life – Morrow Batteries reports significantly improved product performance on its Lithium Iron Phosphate \(LFP\) batteries](#)

[Industrial hardware feature upgraded new-energy batteries](#)



Stat-X® condensed aerosol fire suppression is a solution for energy storage systems (ESS) and battery energy storage systems (BESS) applications. The [Stat-X](#) product was tested for efficacy in putting out Li-ion battery fires. It was found that the Stat-X agent successfully extinguished single and double cell battery fires. This testing was conducted in parallel with a large battery fire testing program. DNV GL conducted the testing. Stat-X also offer regulatory certainty.

[Paving the Way for the Dry Battery Business](#)

[Tesla Giga Texas 4680 Battery Cell Production Reached A New Record](#)

[Improving battery production processes](#)

[StoreDot's advanced technology campus in Irvine, California, is now operational](#)

[Revolutionary Battery Technology Enhances Equipment Efficiency](#)

[Nissan and SK On are reportedly planning a US battery factory](#)

[24M and Its Licensing Partner Kyocera Honored by the Electrochemical Society of Japan as 2024 Technology Award Winner for Commercialization of the 24M SemiSolid™ Battery Cell](#)

[Chinese automakers and battery giants join forces in powerhouse EV partnership: 'We need to be prepared'](#)

["20GWh! Lead Intelligent Equipment Secures the Largest Lithium Battery Equipment Order in the US for a Chinese Company to Date"](#)

[ZAPBATT Unleashes Toshiba's Lithium Titanium Oxide \(SCiB™\) Technology with Revolutionary Battery Operating System—Now Available](#)

## ***Battery Materials news***

[Major electric vehicle lithium project paused. Other SC battery recycling investments continue](#)

[Rio Tinto to invest USD 350 million in Argentina lithium project](#)

[Cirba Solutions Battery Recycling Plant](#)

[POSCO new chief vows to keep fostering battery materials business](#)

[CleanTech Lithium direct lithium extraction plant in Chile starts operations](#)

[Finland's Fortum begins battery material recovery from EV 'black mass'](#)

[L&F, a battery material supplier, signed a \\$9.95 billion deal with SK On to supply cathode materials for EV batteries, according to its regulatory filing Monday.](#)



*Do you need third party verification of your material's performance? NEI's team of electrochemical experts can evaluate your battery materials through a full-service contract or by-the-sample cell level testing services. [Contact us to learn more.](#)*

[Ecocycle Group invests \\$30m in lithium battery recycling plant](#)

[EcoPro invests \\$11m to secure stake in Indonesian nickel smelter](#)

[EU and Norway sign raw materials and battery value chains deal](#)

[Australian Firm Secures Key Lithium Battery Recycling Deal with Global Manufacturer](#)

[Quino Energy Achieves Manufacturing Readiness Level 7 for its First-of-its-Kind Zero-Waste, Continuous Production Organic Flow Battery Process](#)

[KULR Technology Group, Inc.: KULR Lands Initial Battery Testing Order for its SafeCASE Product with Leading US Automaker](#)

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

[Fasmho Energy partners with Cyantron Synergies, to deploy High Voltage EV Battery Management Systems worth USD \\$10 million](#)

[Yamaha launches new e-bike battery swapping company for Europe](#)

[Penske and Hitachi Launch Large-Scale Electric Truck Charging Depot](#)

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

[Eon bags 50% stake in Welsh battery](#)

[ENGIE Unveils Massive Battery Energy Storage System to Enhance Renewable Energy Integration](#)

[Gotion High-Tech collaborates with Daiwa Energy & Infrastructure on energy storage power stations](#)

[Primergy Signs 400 MW Solar + 1.6 GWh Battery Energy Storage Power Purchase Agreement with San Diego Community Power](#)

[NAS Batteries Start Commercial Operation at BASF's Schwarzheide Site ~](#)

[Enabling Renewable Energy Use Almost 24 Hours a Day in Manufacturing Processes at the Production Site](#)

[Enerpoly: Producing Cost-Effective And Clean Zinc-Ion Batteries For Scalable Stationary Energy Storage Solutions](#)

[Mercedes-Benz to test 11 MWh battery to harness power swings at Rastatt plant](#)

[Texas installs another big solar + battery storage project](#)



[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.



### **Shenzhen International Battery Industry Fair (CNIBF)**

Date: 24-26<sup>th</sup> April, 2024, Website: <https://www.cnibf.net/en/>

CNIBF, the leading battery industry exhibition in China, first launched in 2010 and has more than 13 years of history. Located in Shenzhen, CNIBF is undoubtedly the one-stop platform for batteries industry in a famous new energy industry base, which attracted well-known companies and professionals from all over the world to participate and brought the latest products and technologies, such as Panasonic, LG, Samsung, MAXCESS , SK CHEMICALS, TUV RHEINLAND, ZTE, BYD, ABB, etc.



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)

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### 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



Welcome to the **Battery Minerals & Supply Chain Canada 2024** Exhibition and Conference, where leading battery mineral miners and upstream explorers will meet with battery manufacturers and investors in Toronto, Ontario, to explore the latest trends in battery mineral exploration, processing, and the supply chain.



[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.

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Join the new energy industry: critical minerals, battery materials, battery manufacturing, battery application, energy storage, sodium batteries, hydrogen energy and EV in CLNB 2024! [CLNB 2024](#) (ninth) China International New Energy Industry Expo will be held at the Suzhou International Expo Center – (28-31/5/2024)

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- Join 19,000+ fellow engineers, executives, thought leaders, professionals and decision-makers at the Messe Stuttgart, Germany on 18-20<sup>th</sup> June, 2024 for three electrifying days, filled with opportunities to source the latest technologies from 800+ exhibitors, develop your industry knowledge at our expertly curated three-track conference and network with like-minded peers.
  - Register Today: <https://register.thebatteryshow.eu/E6PKMX>
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The International Flow Battery Forum (IFBF®) is the leading event for the flow battery community. On 25-27 June 2024, the IFBF will hold its thirteenth in-person conference in Glasgow, Scotland. Over three days, the conference will feature talks, panel sessions, networking breaks, a poster session, a conference dinner and a site visit. We will discuss the latest innovations, policy updates and market challenges for the development of the flow battery sector. More than 300 business leaders, policy makers, developers and researchers from all over the world will share information and forecasts around the thriving world of energy storage and the important role of flow batteries. Website: <https://flowbatteryforum.com/>





**2024 World Battery & Energy Storage Industry Expo (WBE), 2024 World Hydrogen Energy Industry Expo (WHE)**

**Date:** August 8th-10th, 2024, **Venue:** 1st and 2nd Floor, Area A, China Import and Export Fair Complex

**Address:** No.380, Yuejiang Zhong Road, Guangzhou, China, **Website:** <https://en.battery-expo.com/>

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[Solid State battery Summit 2024](#) - Chicago, IL, USA August 14-15, 2024

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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

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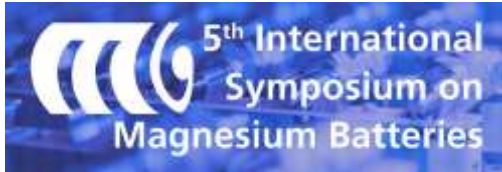
**Dry Coating Forum – Shaping the Future of Dry Battery Electrode Processing, September 10-11, 2024, Dresden, Germany,**

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.

Following the great success of the first Dry Coating Forum 2023, Fraunhofer IWS is once again inviting material suppliers, system manufacturers, cell producers, and end users to network and exchange knowledge in the field of dry electrode coating.

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The 5th International Symposium on Magnesium and Multivalent Batteries (MagBatt V) will take place from September 18 to 20, 2024 in Ulm, Germany. We will welcome some of the world's top battery speakers. The conference will feature contributions on magnesium, calcium, zinc and aluminum batteries. More information and registration:

<https://www.postlithiumstorage.org/en/magbatt-v>

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[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.

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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 **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/>

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Battery Tech Expo Sweden 2024 - Meet manufacturers, suppliers, engineers, scientists and decision-makers across the Nordic battery value chain.

Product launches, exhibitors showcasing innovations, plus a high profile

speaker agenda covering the latest advancements throughout the battery and electric vehicle industries. [www.batterytechexpo.se](http://www.batterytechexpo.se)

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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

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[5<sup>th</sup> Future Battery Forum \(November 5-6, 2024 | ECC Berlin + online\)](#)

The **leading European management conference** brings together about **1,000 decision makers and senior experts** from the entire battery value system for two days of **exclusive C-level networking**.

On 2 stages, about **90 speakers from industry and politics** will discuss the most urgent topics for the European battery industry in keynotes, panels and tech talks. Besides this, the focus is on **interactive formats like workshops, deep dives and excursions** to industry sights – and not to forget the famous evening reception. **Over 90 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)

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[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.



**11<sup>th</sup> Workshop “Lithium-Sulfur Batteries”, November 11–12, 2024, 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 ten years, the 11<sup>th</sup> Workshop “Lithium-Sulfur Batteries” 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.



Date: 19-21<sup>st</sup> November, 2024, <https://www.cnibf.net/en/>

As the earliest battery industry exhibition in China, CNIBF is undoubtedly the one-stop platform for batteries industry. Located in Shanghai, the global economic center for international companies to enter into Chinese market, CNIBF is aimed at assisting you to discover new market with one hundred thousand accurate buyer datas and 500+ high quality enterprises from all over the world, including Panasonic, LG, Samsung, MAXCESS , SK CHEMICALS, TUV RHEINLAND, ZTE, BYD, ABB, etc.

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



[AABC USA](#) - Las-Vegas, NV, USA 9-12 December 2024



NAATBatt 2025, the 16<sup>th</sup> annual meeting & conference of NAATBatt International, will be held on February 17 – 20, 2025, in Orlando, FL, USA. 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](#).

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[17th Battery Japan, 19-21/2/2025, Tokyo, Japan](#)

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**March 5th-7th, 2025 - InterBattery2025** - InterBattery 2025, 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/>

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[International battery seminar & exhibit 2025](#) - March 17-20/2025

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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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