



[Shmuel De-Leon Energy - Battery Weekly Newsletter](#)

**August 16, 2024, No. 763**

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***Virtual Battery Trainings***

10-12/9/2024 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](#)

29-31/10/2024 Virtual High Voltage EV and ESS Battery Seminar (6 hours - 3 parts of 2 hours each) [Program and registration](#)

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

[4th USA High Voltage EV & ESS Battery Pack Design and Production Hands-On Seminar. November 14-15, 2024, Lake-Orion, MI, USA](#)

[3rd Battery Safety, Storage, and Transportation Hands-On Seminar, Waxahachie, TX, USA, November 18-19, 2024](#)

### ***Special Offers***

[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](#)

[Shmuel De-Leon Energy Provide a new Battery Daily Patent Newsletter service - Sign up for free 20 days](#)

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

[Forge Battery says its 21700 EV batteries fast charge in 10 minutes](#)

[Ampere announced a plan integrating LFP battery technology](#)

[ADVIK Powers up with Acquisition of Business Assets of UK-based Aceleron Energy Ltd. for Advanced Li-ion Batteries](#)

[Hyundai to invest \\$28 million in Thailand for EV assembly, batteries](#)

[Battery cell prices for energy storage fell in July, and prices may continue to decline in the future.](#)

[STIHL invests over \\$60 million in battery manufacturing efforts](#)

[US Department of Energy funds more battery research](#)

[Famous safety lab with 130-year history opens Michigan office to test EV batteries](#)

[Honda And Yamaha To Partner On EV Manufacturing, Battery Sharing](#)

[Amara Raja and Piaggio India sign MoU to boost EV battery production](#)

[CATL opens 1st experience center to showcase EV models powered by its batteries](#)

[EarthX Aircraft Batteries Earn STC Approval](#)

[Xiaomi Developing Next-Gen Battery Technology for Future Smartphones](#)

[Chinese cell manufacturers poised to lead US LFP battery supply](#)

[Lyten and AEVEX Partner to Power Unmanned Aerial Systems with US Manufactured Lithium-Sulfur Batteries](#)

[Graphene Manufacturing Group advances aluminium-ion battery towards commercialization](#)

[US-based Enovix to invest RM5.8b in battery production facility in Malaysia, says Zafrul](#)

[Twaipe presents simulation model for sodium-ion batteries](#)

[Investment Needed to Meet Battery Demand by 2040](#)

[Dry cathode batteries are entering the testing phase](#)

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

[ION Storage Systems announces battery research breakthrough](#)

[Akzo Nobel driving innovation with new powder coatings technology for EV batteries](#)

[Arizona Lithium Prairie DLE material produces battery-grade lithium carbonate](#)

[US burgeoning black mass exporter; domestic battery recycling demand to soar: sources](#)

[Iondrive will collaborate to commercialise battery recycling technology in Europe](#)

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[Equinor Eyes Lithium as New Revenue Stream](#)

[China's BTR Launches Lithium Battery Anode Plant in Central Java](#)

[Glencore has ceased to stockpile battery material cobalt](#)

[FLASH: PTL's 200,000 tonne lithium-ion battery anode material project puts into operation in Qionglai](#)

### **Chargers & BMS News**

[Nio records 50 million EV battery swap services in China](#)

[Japanese test Fuso eCanter with swappable batteries in Kyoto](#)

[GAUSSION RAISES \\$12M TO REVOLUTIONIZE BATTERY CHARGING](#)

### **Grid Storage Batteries News**

[RI-S'pore partnership secures US\\$1 B investment in renewable energy battery sector](#)

### **Battery Industry Upcoming Events**



Schive AS, 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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# THERMAL MANAGEMENT

## FOR EV/HEV/PHEV USA 2024

Automotive IQ's flagship [Thermal Management USA](#) conference returns to the US, this time in Dearborn, Michigan. The Automotive IQ Team has rigorously researched the thermal landscape and noted the industry's slowdown and the shift towards PHEVs as a result. In response to the changing needs of the industry, the event's scope has now been extended to include a focus on plug-in hybrid electric vehicles.

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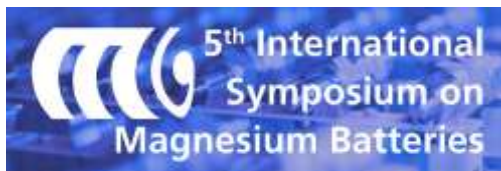


### **Dry Coating Forum – Shaping the Future of Dry Battery Electrode Processing, September 10-11, 2024, Dresden, Germany,**

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 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 is headed to Downtown Detroit for the very first time on October 7-10, 2024 at Huntington Place. This your chance to meet 1,150+ exhibitors showcasing the latest solutions from across the battery and EV supply chains. Registration is now live, click the link and use code SHMUEL at check-out for a free expo pass or \$100 off conference passes. Link:

<https://register.thebatteryshow.com/eb14j>



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)



[Batteries Event 2024, 16-18/10/2024, Lyon, France](https://www.batteriesevent.com) covers all aspects of the circular economy value chain, starting from the production of the battery to recycling. Its objective is to create a perfect forum where all International battery industry key players such as OEM, cell and pack manufacturers, end users, experts, researchers and recyclers will come together to discuss and exchange on new chemistries, manufacturing process, battery components, battery second life, regulation, future

*expectations and innovations. After a very successful 2023 event that gathered 1100+ participants from the battery industry, their goal is to keep growing and welcome more than 1200 participants, 130+ exhibitors, sponsors & partners as well as 175+ international speakers in 2024! Join them and do not miss THE event where all stakeholders and decision makers gather every year!*

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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.

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**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.

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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

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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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[E-TECH EUROPE 2025](#)

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 fifth edition E-TECH EUROPE 2025 returns at Bologna Exhibition Centre next 15 - 16 April 2025 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 2025](#)

RE-BATTERY 2025 returns at Bologna Exhibition Centre next 15 - 16 April 2025: it's Southern Europe's largest international trade fair for battery producers, recycling companies, raw material suppliers and the entire battery supply chain. RE-BATTERY will be hosted by E-TECH EUROPE 2025, the event dedicated to the production and the entire supply chain of all electric vehicles, automotive interiors, transport solutions and much more.

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16-17 April, 2025 | Atlanta, GA

<https://www.thebatteryshow.com/lp/2024/tbs-south.html>

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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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- Join 19,000+ fellow engineers, executives, thought leaders, professionals and decision-makers at the Messe Stuttgart, Germany on 3-5<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/E6PKM>
- 



AABC Europe 2025, Mainz, Germany, June 23-26, 2025

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**BATTERY CELLS  
& SYSTEMS EXPO**

**- V E H ⚡ C L E —**

**ELECTRIFICATION**

**— E X P O —**

[Battery Cells & Systems Expo](#) (9th & 10th July 2025) 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 professionals.

[Vehicle Electrification Expo](#) (9th & 10th July 2025) enables automotive manufacturers to look at the latest powertrain solutions to improve the performance, efficiency, safety and sustainability of vehicles including light electric vehicles, passenger cars, commercial vehicles, buses and off-highway industrial vehicles. The show will bring together the entire supply chain involved in electric and hybrid vehicle manufacture and development showcasing the very latest technologies for this rapidly growing market.

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**THE BATTERY SHOW**  
ASIA

**15-17 July, 2025 | Hong Kong**

<https://www.thebatteryshow.asia/>

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**Shmuel De Leon Energy**

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