



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

January 14, 2022, No. 628

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[Battery market reports 2022](#)

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### ***Virtual Battery Trainings***

17-19/1/2022 Battery Virtual Seminar (8 hours - 4 parts of 2 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and registration](#)

16-17/2/2022 Li-Ion Cells Manufacturing Virtual Seminar (6 hours - 2 parts of 3 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time -

### [Program and registration](#)

1-3/3/2022 EV & ESS High Voltage Battery Pack Design Virtual Seminar (5 hours - 2 parts of 2.5 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and registration](#)

### **Frontal Battery Training**

31/1-1/2/2022 - 1st EV Hands-On Battery and Production Seminar - [program and registration](#)

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### **Special Offers**

Shmuel De-Leon Energy support customer to solve Li-Ion cells supply problems via our Far East cell suppliers - Join our cells purchasing group customers and get a weekly update with cells offer and allocations we have. 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**

[Lyten Receives Award to Demonstrate Battery Technology for Space Applications](#)

[Vinnic Power launches industrial-grade 2000wh portable Power Station](#)

[EV lithium battery shortage expected to be worse than chip shortage in 2022](#)

[SK Innovation and Solid Power to Develop All-solid-state Battery](#)

[Lead battery maker Exide Industries once again announces plans to diversify into lithium-ion](#)

[Volkswagen Discussing Partnership with Korean EV Battery Makers](#)

[CATL delivers first LFP cells to Tesla Giga Shanghai](#)

[Cummins Invests in Rechargeable Battery Developer with Lithium Metal](#)

## Technology

[Hungarian aid to Volta Energy Solutions' battery copper foil plant gets EU nod](#)

[Apple Supplier TDK Looks Beyond Phones in Bid to Double Battery Sales](#)

[CES 2022: Nanotech Energy Awarded CES Innovation Award For These New Batteries](#)

[Non-flammable graphene battery wins at CES](#)

[Battery startup improves Model S range to 1,200 km](#)

[Toyota's First Solid State Battery Will Equip A Hybrid, Not An EV](#)

[IATA UPDATES LITHIUM BATTERY GUIDANCE](#)

[LG Energy Solution Considering Producing Prismatic Batteries for Electric Vehicles](#)

[GWM-backed power battery maker SVOLT launches R&D center in Shanghai](#)

[Vietnam car maker VinFast to build US battery factory as it goes all-electric](#)

## ***Battery Materials news***

[Reno-based lithium company acquires more mining claims near Tonopah](#)

[North America's Largest Lithium-Ion Battery Recycling Facility to Open in August](#)

[Shipments have begun of equipment to build a AquaRefining lead recycling facility in Taiwan](#)

[Veolia in plans for EV battery recycling plant](#)

[Joint venture aims to scale up manufacturing capacity of battery grade Lithium chemicals in Europe](#)

[Recycling of electric vehicle batteries: Primobius partners with Stelco](#)

[Ningde Times and Zhicun Lithium Industry set up a new battery material company with a registered capital of 1 billion yuan.](#)

[Capital investment firm, battery recycler join forces to boost US rare earths production](#)



[NEI Corporation](https://www.neicorporation.com/products/batteries/) produces a variety of commercial and specialty materials for use in both lithium-ion and sodium-ion batteries, as well as cell assembly and testing services. Come see what we have to offer! (Link to: <https://www.neicorporation.com/products/batteries/>)

[Chinese Waste Recycling Enterprise GEM Co., Ltd. Implemented EU Battery Management Regulations](#)

[Panasonic Will Begin Using Recycled Battery Components From Redwood Materials This Year](#)

[High capacity anodes for next-generation lithium-ion batteries](#)

[Enjie Co., Ltd. and Yiwei Lithium Energy Co., Ltd. to build battery separator project to complete the project record.](#)

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

[Eaton Buys Power Specialist Royal Power Solutions For \\$600M](#)

[BorgWarner Completes Investment in Qnovo Inc., Enhancing Battery Management Capabilities](#)

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

[Lotte Chemical acquires stake in vanadium-ion battery firm Standard Energy](#)

[Redflow completes installation of its biggest zinc bromine flow battery to date](#)

[Freyr sign 31GWh lithium-ion battery offtake agreement with unnamed ESS maker](#)

[White Deer Invests in Fortress Power, a Battery Energy Storage Business](#)



ENERGY  
STORAGE  
NORTH AMERICA



Energy Storage North America and Intersolar North America will come together in person January 13-15 in Long Beach, CA to advance the clean energy future. The combined event will connect installers, developers, utilities,

technology providers, policy makers, and key stakeholders through innovative programs, networking events, and exhibits that maximize learning and facilitate business.

Register now for [Intersolar North America and Energy Storage North America](https://bit.ly/3jUpn66), taking place January 13-15, 2022 in Long Beach, CA. For a limited time only, **secure 20% off a full conference pass or free entry to the expo hall: <https://bit.ly/3jUpn66>**



9-10/2/2022 TechBlick's fully online LIVE conference and networking event on Solid State Batteries and Frontier Materials for Batteries. The world-class agenda covers (a) solid state batteries including material and scale-up development and exciting start-ups and (b) frontiers in battery material development incl. Si anode, graphene, VACNTs, LiS, green solvents, fluoride cathodes, reactive metals and AI in discovery. Speakers include Stellantis, US Army, Amprius, Sila Nanotechnology, Cabot, Nanoramics, and more more. Visit [www.TechBlick.com](http://www.TechBlick.com) for further information.



[NAATBatt conference 2022](https://naatbatt.com) - February 7-10, 2022 - AZ, USA



March 16-18, 2022 - Rechargeable batteries attract attention year after year in the fields of automobile/housing/business applications and mobile applications. [BATTERY JAPAN 2022](https://battery-japan.com) is the world's largest\* exhibition specialised in manufacturing and R&D of rechargeable batteries. All kinds of materials, manufacturing technologies, inspection/analysis equipment, and battery itself will gather from around the world. Exhibit & Visit the show to expand your business in Japan and Asia!  
(\*"Largest" in reference to the met exhibit space of trade shows with the same concept.)

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**InterBattery2022**, first launched in 2013 in Seoul, Korea, is Korea's leading battery exhibition showcasing various new products and technologies related to battery industry. Running concurrently as a part of 'Energy Plus', it attracts over 900 domestic and overseas exhibitors and 1,500 booths! **Discover Your Opportunity by Broadening Your Perspective and Relationship at InterBattery 2022!**



International battery seminar & exhibit 2022 - March 28-31/2022



The Battery Technology Show, 5-7 April 2022, TCF Centre, Detroit, USA, Innovation in battery technology is moving at an incredible pace, with applications across every aspect of our lives, whether automotive, aerospace, manufacturing or consumer technology. The Battery Technology Show brings together thousands of delegates to discover the latest developments. The event's two conference tracks will also allow visitors to hear from some of the leading companies and individuals shaping the forthcoming revolution.

<https://batterytechnologyusa.com/home>



**E-TECH EUROPE 2022** is the international event for **innovative electrical and electronic technologies** which will take place in the prestigious **Bologna Exhibition Center, (Italy)** on **12-13 April 2022**. The fair wants to position itself as the reference point for the **next industrial and economic “green revolution”**, which will involve the entire supply chain across the **electrification and electronics sectors**, in particular for the **automotive world**.

For more information, please visit our website: <https://e-tech.show/>



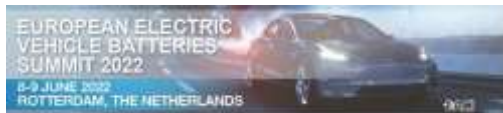


### Battery Experts Forum

THE international expert platform for the latest trends, product developments and solutions in battery technology will be back in 2022. Three days full of inspiring presentations, informative exhibition stands and active networking await you from May 3-5 at Messe Frankfurt. Register now and book your exclusive booth space for your company or get your conference ticket to an affordable early bird price! More information on [www.battery-experts-forum.com](http://www.battery-experts-forum.com)



The 5th FENIBAT will gather in Londrina, Paraná, Brazil, from May 22 to 24, 2022, the Brazilian and Latin American battery and lead recycling industry with its international suppliers through its Expo and Conference. The FENIBAT public includes not only industrialists, high management and investors but also middle-managers, supervisors and technicians of Administration, Purchasing, Production, Maintenance, Projects and Product Development, Quality Control, Laboratories, Metrology, Work Health and Safety, Environment, etc.; In this issue, we will also have, as part of FENIBAT, the 1st FENILITIO, a part, in the Exhibition and Conference, dedicated to new battery chemistries that are under development.



Following the success of the 1st and 2nd event editions, ACI's European Electric Vehicle Batteries Summit will be taking place in Rotterdam, the Netherlands on 8<sup>th</sup> – 9<sup>th</sup> June 2022 . It will bring together industry leaders from major car manufacturers, off high road vehicle manufacturers & battery producers. Don't miss out on this excellent networking opportunity.  
 . Agenda [Here](#)



AABC Europe - 13-15 June 2022



[49th Power Sources Conference](#), 20-23 June 2022, Sawgrass Marriott Resort, Jacksonville, FL, USA

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.

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[The Battery Show Europe](#) : 28-30/6/12/2022 - Join industry peers at the leading meeting place for the advanced battery and H/EV technology community, where you can meet over 500 suppliers and watch live product demonstrations. Register today for a complimentary pass. Running alongside the free-to-attend trade fair is an expert-led conference with speakers from top manufacturers. - **Messe Stuttgart, Germany.**

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[Battery Cells & System Expo 2022](#) - A major exhibition and conference for the advanced battery industry launches on 29th-30th, June, 2022 at the NAEC Stoneleigh, Warwickshire UK. This international showcase of manufacturers, users and the entire supply chain working to increase battery performance, cost and safety will gather in the heart of UK manufacturing.

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Hans H. Schive from Asker, Norway together with Shmuel De-Leon Energy will organize the [4th Oslo Battery Days conference](#) in Oslo, Norway, August 22-23, 2022.

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## THE BATTERY SHOW

### NORTH AMERICA

**The Battery Show** - September 12-15, 2022 Headline: Ready to Inspire the Next Great Battery Application? Now in its 10th year, The Battery Show 2021 is North America's largest and most comprehensive annual trade show event for the advanced battery manufacturing industry representing the entire supply chain from raw materials through end-of-life battery recycling. Combined with the Electric & Hybrid Vehicle Technology Expo, this two-in-one event gives you a complete end-to-end view across the entire battery supply chain.

**Electric & Hybrid Vehicle Technology Expo** - Headline: Join the Auto Revolution at the EVT Show. Each year, engineers, innovators, and thought leaders converge in Novi, Michigan, for a conference and expo dedicated to the fast-moving EV and HEV drive train and power system industries. Combined with The Battery Show, this two-in-one event offers the latest in electric motors, cooling, converters, and charging as well as an end-to-end view across the complete battery supply chain.

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**Batteries Event 2022** will take place in Lyon, France, 19-22/10/2022. The Batteries Event will cover all aspects of the circular economy value chain, starting from the production of the battery through raw materials, cell manufacturing, use and safety, management and applications, going through market trends, research and development, new technologies and finally closing the loop with a focus on recycling, second life and regulations.

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, recycling, regulation, future expectations and innovations. 3 days to inspire, learn, understand, inform and share. Our objective is to bring together at least 300 people from across the industry (researchers, raw material suppliers, components, manufacturers, consultants, intellectuals ...). We plan +60 selected speakers, thematic conferences and workshops, 25 to 30 exhibitors, quality networking moments and friendliness!

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**AABC USA** - 5-8 December 2022

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[1st EV & Stationary Battery Conference](#), Vitoria, Spain 2022 Dates TBD - Shmuel De-Leon Energy and CIC energiGUNE decided to organize yearly battery conference that will be a place to discuss and provide a platform for technological innovations and business opportunities in Spain and abroad. The conference will discuss the latest advances and innovation in Electric Vehicle's & Stationary batteries.

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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 March 17-29, 2023, and the exhibition venue, booth number and area of exhibitors will remain unchanged.

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