



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

November 4, 2022, No. 670

Sent to Battery industry members since 1/2010, [Join our mailing list](#)  
[Battery Industry Upcoming updated list](#)  
[Battery market reports 2022](#)

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### ***Our advertisers & sponsors***



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

8-10/11/2022 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](#)

16-18/1/2023 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](#)

15-16/2/2023 - Li-Ion Cells Manufacturing Virtual Seminar - (7 hours - 2 parts ) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and registration](#)

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

17-18.11.2022 - 2nd EV Hands-On Battery and Production Seminar, MI, USA - [program and registration](#)

31/11 - 1/12, 2022 - 9th Li-Ion Cells Manufacturing Seminar nRochester, 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.

[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 fr free 30 days trial](#)

We also sell chipset for PCM/BMS - Contact us with requirements.

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

[NIO Invests \\$273M to Set Up Battery Tech Firm](#)

[Electrovaya Is Scaling Production On Some Of The Safest, Longest-Lasting Lithium-Ion Batteries On The Market To Help Economies Meet Clean Energy Goals](#)

[Toyota Battery Plant Under Construction in North Carolina](#)

[Panasonic to start building Kansas battery plant next month](#)

[Electric car battery plant eyed for St. Gabriel area](#)

[Gotion High-tech announces two battery production capacity expansion projects in one day](#)

[Tesla Cuts Prices In China, Cybertruck Battery Production Begins In Fremont](#)

[Hyundai breaks ground on \\$5.5 bln U.S. EV, battery plant](#)

[Volvo Group to produce battery modules in Ghent by 2025](#)

[Semi-solid flow battery tech promises to lower production costs by up to 40%](#)

[BMW extends EV battery capacity in Germany](#)

[Enovix introduces distribution service to battery sector](#)

[Schneider Electric – Made in Europe: Newly Founded Upcell – European Battery Manufacturing Alliance Promotes European Battery Manufacturing](#)

[Nanoramic and ABEE Sign MOU for Development and Commercialization of Advanced Li-ion Batteries](#)



**RIKEN KEIKI Co., Ltd.**

RIKEN KEIKI Co., Ltd. manufactures gas detectors with an integrated system from research and development to after-sales service to protect workers in all industries from hazards caused by a wide variety of gases. For more information, please [contact us](#).

[Volt Resources signs joint development agreement with battery cell developer 24M Technologies](#)

[AM Batteries Raises \\$25M in Series A Financing](#)

[\\$1B investment will expand EV battery production in Louisiana, create 300 jobs](#)

[South Korean lithium-ion battery company invest in Poland](#)

[InoBat orders battery cells from Taiwan](#)

[Clarksville shortlisted for \\$504M electric vehicle battery plant after company wins federal grant](#)

[UK pledges a record amount of funding for battery R&D](#)

[In the EV era, Bengaluru startups innovate for a more sustainable battery ecosystem](#)

[San Diego-based company providing a 'second life' for retired electric vehicle batteries](#)

## ***Battery Materials news***

[Ultrafast Li-ion Battery Charging with Solvent-Assisted Hopping Mechanism](#)

[Manganese X Energy Kicks Off Pilot Plant For EV Battery Project](#)

[Cypress tests world's first battery-grade lithium from hydrochloride process at Nevada plant](#)

[ENTEK Gets Government Funding to Bolster Battery-Separator Production](#)

[Henkel expands EV battery solution offering with Bergquist TGF 2010 APS](#)

[With Madagascar mine nearly complete, NextSource progresses plans for its first battery anode facility](#)



[NEI Corporation](#) offers a variety of cathode and anode electrode sheets that are suitable for a wide range of Li-ion and Na-ion applications. Customers can choose from standard, ready-to-ship tapes or customize to their own specifications. Get a quote today!

Link: <https://www.neicorporation.com/products/batteries/cathode-anode-tapes/>

[Posco Holdings completes construction of a solid-state battery plant](#)

[Princeton NuEnergy \(PNE\) and Wistron GreenTech Announce Grand Opening of Lithium-Ion Battery Recycling Pilot Line in McKinney, Texas](#)

[Albemarle Buys Battery-Grade Lithium Supplier for \\$200M](#)

[Solvay Gets \\$178M Grant to Make EV Battery Materials in Augusta](#)

[Ascend granted federal \\$480M to build Kentucky battery recycling plant](#)

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

[Honda battery-swap station reaches production](#)

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

[dcbel and LG Energy Solution partner for future-proof home energy solution](#)



**3<sup>rd</sup> Future Battery Forum**

Nov 3 - 4, 2022 // ECC Berlin + Online

### **3rd Future Battery Forum, Nov. 3-4, 2022**

The management conference with accompanying exhibition brings together the entire value system of battery technologies: Across industries, users, battery system & cell manufacturers and their suppliers will spend two days exchanging ideas and information, making new contacts and discussing how the industrial ramp-up with a high market share of battery-driven solutions in Europe can be achieved - on-site in Berlin and online. The founding partners of the event are Panasonic, RockTech Lithium, VARTA and Wacker Neuson.

- Topic: " Next level: Establishing the battery society“
- Date: 03 - 04.11.2022
- Location: Estrel Convention Center, Berlin, Germany
- Target groups: users, battery systems & cell manufacturers and their suppliers
- Hybrid conference: 500+ people on site and 2,000+ virtually
- [Floorplan](#)
- Details: [www.futurebattery.eu](http://www.futurebattery.eu)



### **International EV Batteries 2022: Cost-Effective Engineering for Hybrid and Electric Vehicles, Silverstone Wing, Towcester, United Kingdom, 8-9 November 2022**

[www.imeche.org/evbatteries](http://www.imeche.org/evbatteries) International EV Batteries 2022 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.



The **BEVA Europe Congress** explores the future of battery technology. You'll learn how to improve vehicle architecture, and discover how to make improvements by reducing the amount of the expensive metal (cobalt) used in the production of lithium-ion batteries. [LBCG - Home \(beva-europe.com\)](https://www.beva-europe.com)

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**More Electric Aircraft USA 2022 (#MEAUSA)** will bring together the industry's key decision makers to discuss the latest aviation trends. Join us at the event to become part of the shift and benefit from discussions on new innovations that can help you to enhance aircraft performance! View the full program agenda and expert speaker line-up here: <https://bit.ly/3LpNkid>

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## Thermal

### Management for EV/HEV USA 2022

Automotive IQ invites you to be part of this [three-day technical conference](#), taking place in **Detroit, Michigan** between the 15 – 17 November 2022. Our research team has spoken to dozens of thermal management experts at electric vehicle manufacturing companies in Michigan and Silicon Valley to uncover their greatest **pain points, challenges and solutions** that are the need of the hour right now.

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November 16-17 2022, WeAutomotive Group is organising an exceptional conference on Advanced Battery Technology Innovation for EV in Detroit, US.

Interested in speaking at the event, please contact us if you would like to talk about your Technology or sponsor/exhibit your products there, please contact us at [info@we-automotive.com](mailto:info@we-automotive.com). To register your place please visit, [www.battery-innovation-usa.com/register/](http://www.battery-innovation-usa.com/register/)

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[This symposium](#) is in honor of the lifetime achievements of Prof. Rachid Yazami, recipient of the 2014 Draper Prize of the National academy of Engineering, and many other prestigious awards. The symposium will cover but not limited to reversible intercalation of lithium into graphite, ultra-fast charging of electric vehicles, enhancement of the battery' energy storage capability and lifespan.

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### Global Lithium & EV Battery Raw Material Supply Chain [Congress](#) November 30 - December 1, 2022

**North American automotive OEMs** now face a significant challenge, frequently cited as the most urgent today. **Addressing how lithium and critical battery raw materials supply will meet demand as firms race to ramp up B.E.V. manufacturing. American Business Conferences built strong connections with key engineers from major OEMs when we started a pioneering series of battery-electric vehicle technology conferences back in 2010.** In May of 2022, our Battery Electric Vehicle Architectures advisory board recommended that we convene a North American conference to explore ideas for reinventing the **lithium and rare metals supply chain and encouraging OEM collaboration with mining, extraction, investment, and battery technology/chemical firms.** OEMs, the end-users of lithium and rare metals, will map out and define their requirements at this conference in collaboration with the battery material supply chain.

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[AABC USA](#) - 5-8 December 2022

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6-8 February 2023 - Shmuel De-Leon Energy will organize the 1st Medical Battery Conference 2023 as part of MD&M West





### [EV Battery Technology Conference and Exhibition 2023:](#)

Electric power is the latest technology that is revolutionizing the auto industry. There are many kinds of batteries, but lithium-ion is emerging to be the dominating battery in technology. Battery technology is constantly being formulated in order to find alternative cell chemistry, to ensure that batteries are cheaper and more energy efficient. This is where our EV Battery Technology Conference and Exhibition 2023 is going to come in place and will provide you with an exclusive platform to divulge deeply into this subject. To let influential voices and key players from the EV industry speak about conviction. The conference will provide an exquisite opportunity for EV enthusiasts to behold all the latest and greatest the EV industry has to offer. From electric scooters to electric bikes to electric cars and buses, everything will be on a display to give you the best and a niche experience in the EV spectrum.



### [EV Battery Recycle and Reuse Conference and Exhibition 2023](#)

The automotive industry is rapidly growing and evolving, with the usage of lithium-ion batteries in Electrical Vehicles. With the emergence of batteries, the carbon footprint has also increased. As the battery stays the key element in the electrical vehicle, its supply cannot be disrupted. But it is also alarmingly important to address and draw out strategies for recycling and repurposing the batteries. This is where our conference will become a pivotal platform to not only open up the discussion about it but also to carve out solutions for it. There will be a well-planned forum to dive into this topic deeply. Batteries are a vital resource to the industry but so is the sustainability of the environment. Our conference will adhere to mapping out the solutions, which will not just be a quick fix but will comply with a long-term plan.

You'll get hands-on knowledge on repurposing the batteries, which will also become beneficial for your business. Veterans and industry experts will give an insight into methods of recycling cost-effectively. Explore new innovations and assess the latest results. From electric scooters to electric bikes with the newest battery models, to upcycled and reused battery modules, everything will be on a display to give you the best and a niche experience in the EV spectrum.

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ENERGY  
STORAGE  
NORTH AMERICA

Next February 14-16, Intersolar North America and Energy Storage North America will unite solar + storage professionals in Long Beach, CA for impactful learning, networking, and business. With a comprehensive conference program, lively Solar Games competition, and immersive exhibition, #isnaesna23 will deliver an unmatched opportunity to gain insights, make connections, and source products. Get discounted pass rates: <https://bit.ly/3CYFycT>

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11th International Conference

## Thermal Management for EV/HEV



Automotive IQ's [11th Annual Thermal Management for EV/HEV in February 21-23, 2023 in Germany](#) is a direct reflection of where Europe's EV/HEV thermal management industry is right now and is geared to give attendees practical insight and extensive coverage from **leading OEMs, Tier-1, and Tier-2/3 vendors** on the most important topics in the space right now, focusing on all the different domains that are contributing to thermal management.

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## Int'l Rechargeable Battery Expo BATTERY JAPAN

16-17 March 2023 - Battery technologies are the key to achieving carbon neutrality by 2050 as they will largely contribute to the popularisation 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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International battery seminar & exhibit 2023 - March 20-23/2023

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2023  
3.15(WED) - 17(FRI)  
COEX, SEOUL, KOREA

**InterBattery2023**, first launched in 2013 in Seoul, Korea, is Korea's leading battery exhibition showcasing various new products and technologies of battery industry. InterBattery 2023 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 2023** ! The link for our website is : <http://interbattery.or.kr/en/>

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The [World Energy Storage Exhibition & Forum](#) will take place on **10-11 May 2023** at the Rotterdam Ahoy, co-located with [World Hydrogen 2023](#). Bringing together the world's energy and battery technology pioneers paving the way for crucial energy storage advancements to solve many of the current energy issues. Showcase your storage technology and solutions and establish key cross-sector partnerships to enable a resilient energy future.

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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 May 16-18, 2023, and the exhibition venue, booth number and area of exhibitors will remain unchanged.

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[The Battery Show Europe](#) : 23-25/5/12/2023 - 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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AABC Europe - 19-22 June 2023

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[Battery Cells & System Expo 2023](#) - A major exhibition and conference for the advanced battery industry launches on 28th-29th, June, 2023 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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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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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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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/zKVWBI>

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[Batteries Event 2023](#) will take place in Lyon, France, 10-13/10/2023. Our ambition: to be a must-attend event for those who want to meet with high level representatives and have a clear vision of the profound transformations to come, made possible by the massive growth of the battery industry in Europe. We will welcome you in Lyon, from October 18 to 21, at Palais des Congrès. We expected +500 attendees, 100 international speakers and +60 booths.

Site : <https://batteriesevent.com/>

Linkedin : <https://www.linkedin.com/in/batteries-event-lyon-france-896140146/>

Twitter : @BatteriesEvent

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

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[49th Power Sources Conference](#), TBD 2023, 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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#### **Shmuel De Leon Energy**

10 Mazal-Arie Street, Hod-Hasharon, Israel 45309 972-77-5010792

[www.sdle.co.il](http://www.sdle.co.il) [shmuel@sdle.co.il](mailto:shmuel@sdle.co.il)

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