



Shmuel De-Leon Energy - Battery Weekly Newsletter

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Virtual Battery Trainings

22-23/11/2021 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](#)

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](#)

Frontal Battery Training

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 fr free 30 days trial](#)

Batteries and Super Capacitors news

[Munters builds new factory to meet demand for EV batteries](#)

[Bulgaria's Monbat expects to wrap up bipolar battery plant project by 2024](#)

[Battery Smart raises \\$7 million in pre-Series A funding round](#)

[Rio Tinto Invests In InoBat - Quick Facts](#)

[India faces shortages of lithium battery for up to two years](#)

[SKI plans to deliver solid-state batteries by 2025](#)

[Africa moving up the EV battery value chain](#)

[Chinese battery cells pose 'safety issues'](#)

[Toyota to Build \\$1.3 Billion Battery Plant in U.S., Add 1,750 Jobs](#)

[Sunwoda, Wuling Industrial attempt to build JV for NEV power battery system](#)

[Li-Cycle Holdings Corp. \(LICY\) Forms Lithium-Ion Battery Partnership With Atlis Motor Vehicles \(ATLIS\)](#)

[NFI expands partnership with Li-Cycle on heavy-duty lithium-ion battery recycling for transit buses](#)

[LG Energy Solution to supply e-bus batteries to Edison Motors until 2026](#)

Battery Materials news

[Johnson Matthey announces intention to exit Battery Materials and provides trading update](#)

[Posco Chemical buys stake in Chinese EV battery material producer](#)

[ZSW scales up new battery material manufacturing](#)

[Organic carbon battery may charge 10 times faster: Interview with PJP Eye](#)

[Nano One Materials: Changing How the World Makes Battery Materials](#)

[ORNL team develops low-cost scalable method to join materials in solid-state batteries; electrochemical pulse](#)

[Goldman and VW-backed Northvolt produces battery cell with recycled nickel, manganese and cobalt](#)

[BASF : New benchmark analysis proves high performance of BASF's battery binders](#)

[Northvolt produces first fully recycled battery cell – looks towards establishing 125,000 ton/year giga recycling plant](#)



[NEI Corporation](#) has been a trusted manufacturer and supplier of battery materials for over 20 years. We provide specialty materials for Lithium-ion and Sodium-ion batteries, such as cathode, anode, & solid electrolyte material compositions not commonly found.

[Comet Resources' ICP assays confirm Springdale spherical graphite is suitable for lithium-ion battery anode](#)

[China's Do-Fluoride Inks USD4.4 Billion EV Battery Materials Supply Deal With BYD](#)

[Brazilian, US companies join to push for niobium technology for lithium-ion](#)

batteries

[Unifrax and Clearlake Announce Battery Advisory Board to Support Breakthrough Silicon Fiber Anode Battery Technology, Thermal Run-Away and Separator Products](#)



Alteo's SEPal[®] range was developed as a coating for the separators of lithium-ion batteries, to make them more reliable and the cells safer. With particular attention paid to the quality and purity of aluminas, SEPal[®] products ensure:

- improvement of the thermal stability of separators
- resistance to the penetration of metallic dendrites, thus avoiding short circuits

<https://www.alteo-alumina.com/en/electric-battery/>

[CATL, ENERGY TECHNOLOGY to build platform JV for investment in power battery separator](#)

[Toray & LG Chem launch battery separator JV in Hungary](#)

[Easpring Material Cooperates with Korean EV Battery Firm SK in Ferrous Lithium Phosphate Business](#)

Chargers & BMS News

[BP partners with battery-swapping company Aulton for joint business](#)

[Ample Raises \\$30 Million To Launch Battery Swapping Tech In Europe](#)

Grid Storage Batteries News

[Novel ion exchange membrane improves performance of vanadium redox flow batteries](#)

[Austrian fish farm orders 6MWh CellCube vanadium flow battery system](#)



[The Battery Show Europe](#) : 30/11-2/12/2021 - 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.**



AABC USA - 7-9 December 2021



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](#), 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>



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](#) 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.)



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>

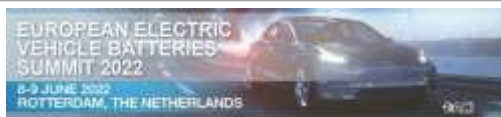


BATTERY CONFERENCE AND EXHIBITION

The Battery Experts Forum 3-5/5/2022 is the most important event for battery technology. The event takes place annually at Forum Messe Frankfurt. Over 100 experts from the leading battery manufacturers and users provide information on the newest trends, product developments and solutions. The event will be accompanied by a specialized exhibition with more than 160 exhibitors, who are among the most important companies in the entire battery supply chain. 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 8th – 9th 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.



[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.



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.

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.



[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!



[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.



[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.

Shmuel De Leon Energy

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

www.sdle.co.il shmuel@sdle.co.il