



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

May 28, 2021, No. 595

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[Battery Industry Upcoming updated list](#)  
[Battery market reports 2021](#)

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



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

6-10/6/2021 Battery Seminar - Virtual (8 hours) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and registration](#)

28-30/6/2021 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***

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5/7/2021 Battery Safety Workshop as part of Battery Cells & Systems Expo, Coventry, UK [Program](#)

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5/10/2021 Battery Safety tutorial as part of Battery Expert Forum, Frankfurt, Germany [Program](#)

## ***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 fr free 30 days trial](#)

Shmuel De-Leon Energy start to sell new High Energy Density Li-ion pouch cells with 330Wh/kg, 10Ah, 4.48V charging voltage, max discharge current 0.4C, 150 cycles - Purchasing the cells require to sign an NDA with the cell maker. Contact us for more details [shmuel@sdle.co.il](mailto:shmuel@sdle.co.il)

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

[Joplin battery manufacturer rebrands, eyes the city for a possible “gigafactory”](#)

[New EV battery could charge up to 70 times faster](#)

[Moxion Power raises \\$10 million Series A led by Energy Impact Partners to electrify the construction industry](#)

[Toyota-Panasonic joint venture to increase EV battery output in China](#)

[Tadiran supplies e-meter backup for batteries for Russian locomotives](#)

[BMW: start of production for fifth-generation high-voltage batteries in Germany](#)

[Samsung SDI Accelerating All-solid-state Battery Development](#)

[LG Energy to spend 400 bln won to replace ESS batteries over fire risk](#)

[Solid Power unveils all-solid-state platform technology, transitions silicon cells to pilot line](#)

[Former Apple batteries lead Saroj Sahu, Ph.D., to direct U.S.' lithium-ion battery manufacturing facility for KORE Power](#)

[Epsilor's COMBATT 6T Li-Ion Battery Integrated into New IDF Jaguar Autonomous Ground Vehicle](#)

[Ford commits to manufacturing batteries, to form new JV with SK Innovation to scale NA battery deliveries](#)

[Xerotech to develop next-generation battery safety technology for European Space Agency](#)

[Flux Power Launches Next Generation M24 Lithium-ion Battery Pack for End Riders & Center Riders](#)

[Oxis Energy is facing bankruptcy](#)

[Complement batteries: flexible supercapacitors unlock new opportunities](#)

[BASF, Canada in early talks on EV battery production - source](#)

[Norway fines Tesla for reducing battery capacities and charging speeds](#)

[LION E-Mobility AG: LION Smart GmbH - entry into own series production of battery systems](#)

[SYNergy ramping up lithium polymer battery capacity](#)

## ***Raw & Battery Materials news***

[LG Chem to Supply 90%-Nickel NCMA Cathode Materials to Tesla](#)

[BASF plans battery joint venture with China's Shanshan](#)

[Recycling company warns people not to recycle lithium-ion batteries after multiple plant fires](#)

The advertisement features a black and white image of a roll of electrode sheet on the left. To its right, the text "NANOMYTE® Cathode & Anode Electrode Sheet" is displayed in a bold, blue font. Below this, in a smaller blue font, it says "Standard & Custom options | Ships direct to you | See what's available".

**NANOMYTE® Cathode & Anode Electrode Sheet**  
Standard & Custom options | Ships direct to you | See what's available

[NEI Corporation](#) offers a variety of cathode and anode electrode sheets for lithium-ion batteries in packages of 2, 5, 10 sheets or more. Standard sheets are ready-to-ship or can be customized to your specification. Request your

quote today

[Lotte Chemical jumps into production of materials for electric vehicle batteries](#)

[Deakin Uni says new lithium sulphur battery may deliver 1,000km EV range](#)

[Glencore, Umicore to trace battery cobalt with blockchain technology](#)

[Swedish university develops lightweight structural battery using carbon fibre](#)

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

[Mercedes-Benz Trucks establishes a strategic charging infrastructure partnership with Siemens, ENGIE and EVBox Group](#)

[ElectReon joins Italian “Arena of the future” project to demonstrate contactless electric vehicle charging](#)

[Flux Power joins Delta-Q Technologies’ battery compatibility program](#)

[RELiON Battery Joins Delta-Q Technologies' Battery Compatibility Program](#)

[Analog Devices expands BMS portfolio to enable continuous battery monitoring](#)

### ***Grid Energy Storage News***

[Germany may install 150,000 residential batteries this year](#)

[Western Australia to host 100 MW / 200 MWh big battery](#)

[Schneider Electric Solar and Discover Battery attain UL 9540 certification for XW Pro and AES batteries](#)

[DTEK officially launched Ukraine’s first industrial 1 MW energy storage system with a capacity of 2.25 MW](#)



[InterBattery](#) is Korea’s leading battery exhibition showcasing various new products and technologies related to battery industry. InterBattery 2021 has

now served itself as an exclusive business platform showing battery industry's forthcoming prospects since its first launch in 2013. Discover Your Opportunity by Broadening Your Perspective and Relationship at InterBattery 2021!

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The re-scheduled **11<sup>th</sup> International Conference on Lead-Acid Batteries, LABAT'2021**, will be a **VIRTUAL** event to be held **8-11 June 2021**. LABAT is a globally recognized scientific forum gathering leading battery experts, technologists and academic researchers from all over the world. LABAT'2020 technical sessions will once again offer an insight into the latest research achievements and development trends in the field of lead-acid battery manufacture, operation and recycling, while the exhibitionfair will present a perfect opportunity to showcase your new products and services.

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The 9<sup>th</sup> World Hydrogen Technologies Convention “Digital Edition” joins two important worlds: innovative scientific research & international business markets. Together with f-cell+HFC, the convention offers plenaries, seminars, technical sessions, e-posters, and an international Networking Hub. #whtc2021 Register now! [www.whtc2021.org](http://www.whtc2021.org)

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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 23rd – 24th June 2021. 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](#)

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Conference info: Lithium-sulfur batteries are the most promising choice for future energy storage systems. The International Conference on Lithium-Sulfur Batteries (ICLSB) from June 28 till July 1, 2021 is providing the platform for renowned experts from science and industry to present the latest results, new materials, processes and applications in the field of lithium-sulfur batteries.

Conference website is: <https://www.iws.fraunhofer.de/en/events/lithium-sulfur-conference.html>

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Battery Safety Summit 2021 - Virtual - June 29-30/2021

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[Battery Cells & System Expo 2021](#) - A major exhibition and conference for the advanced battery industry launches on 7th-8th, July, 2021 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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Save the date: The IFBF summer symposium covers flow battery operations, applications, manufacture, development and research, bringing together users, industry, suppliers, academics and the R&D community to meet, learn, discuss and raise the profile of flow batteries; a crucial technology within the electrical energy storage sector. Join our virtual summer symposium from 7 – 9 July. We will be joined by the Flow Batteries Europe and the FLORES project consortium. For further information visit our [website](#).

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### Intersolar North America & Energy Storage North America Digital Summit | July 14-15, 2021

North America's premier solar + storage events come together online to provide clean energy professionals the education, peer-to-peer learning, and networking they need to grow their business—and continue industry progress. Learn more: <https://www.esnaexpo.com/digital-summit/>

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[Solid State Battery Summit 2021](#) - Virtual - June 29-30/2021

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Shmuel De-Leon Energy and Hans-Schive will organize the 4th Oslo Battery Days Conference in Oslo, Norway, 23-24/8/2021

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[The Battery Show](#) - September 14-16, 2021 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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The annual event for Hydrogen and Fuel Cell experts provides an extensive overview of markets and technological advancements. The interactive format of plenaries, sessions and international trade fair offers an ideal platform to connect, discuss and create new business relationships. [www.f-cell.de](http://www.f-cell.de)

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**26<sup>th</sup> International Congress for Battery Recycling [ICBR 2021](#)  
September 22 – 24, 2021, Geneva, Switzerland**

ICBR 2021 is the international platform for reviewing the challenges faced by the Battery Recycling Industry on a global basis. ICBR will bring together the international community of experts and decision makers of the entire Battery Recycling value chain, including battery recyclers and producers, collection organizations, OEM's, policymakers, materials and services providers and many more.



[Batteries Event 2021](#) will take place in Lyon, France, 28/9-1/10/2021. 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!



September 29th - October 1st, 2021 - Rechargeable batteries attract attention year after year in the fields of automobile/housing/business applications and mobile applications. [BATTERY JAPAN 2021](#) 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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**R-Zinc 2.0: Zinc Battery Meeting - 5-6 October 2021** in Brussels, Belgium, [R-Zinc](https://www.r-zinc.com/) is a two-days event that will cover the progress of zinc-based rechargeable battery technologies in Europe and around the world. Used in primary batteries for decades, zinc is now considered as one of the most promising technologies for the fast-growing energy storage market. Abundant, inexpensive, non-toxic, safe and recyclable, it has all the qualities required to succeed in the rechargeable world and contribute to the reduction of global GHG emissions. Our conference offers a unique chance to attend battery tutorials, battery demos, a plant visit and high-level presentations to understand the challenges and opportunities unveiled by this emerging market - Visit our website at <https://www.r-zinc.com/>.

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[www.batterytechexpo.co.uk](http://www.batterytechexpo.co.uk) The Battery Tech Expo UK runs 12th October 2021 at Silverstone a major UK hub of the high tech industrial sector and will bring together professionals from across the advanced battery technology industry. The event will provide a unique opportunity to showcase the latest products, technologies and services covering the Battery Management Systems, EV Battery, Battery Storage, Battery Development/ Discovery, Commercial and Mobile Power Device sectors

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The Battery Technology Show, 26-27 October 2021  
The leading event for battery and EV innovation in the UK, now in its third year attracting companies from around the world Our two conference tracks - The Future of Battery Technology and The Future of Hybrid & EV - allow delegates to hear from the leading protagonists in battery technology in the heart of the UK's automotive and manufacturing base.  
[www.batterytechnologyshow.com](http://www.batterytechnologyshow.com)

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Future Battery Forum  
Berlin 2021

**2nd Future Battery Forum 2021, 15.-16. October 2021, ESTREL**

**CONGRESS CENTER, Berlin:** [www.futurebattery.eu](http://www.futurebattery.eu)

"BATTERY EUROPE: MANAGING GROWTH AND ESTABLISHING LOCAL VALUE CHAINS"

The **management conference** brings together the entire value system of **battery technologies**: around **900 users, battery system & cell manufacturers** and **their suppliers** will spend two days exchanging information at this **event**, making new contacts and discussing how the industrial ramp-up with a **high market share of battery-driven solutions in Europe** can be achieved.

*OFFICIAL LANGUAGES: German & English - live translation provided*

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The **5th FENIBAT** will gather in Londrina, Paraná, Brazil, from November 17 to 19, 2021, 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.

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[eMove360 battery conference - Messe Munich, Germany 16-18/11/2021](#)

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**8th Int'l Rechargeable Battery Expo Osaka**

## **BATTERY OSAKA**

A sister show of BATTERY JAPAN, which is the world's largest exhibition for rechargeable batteries manufacturing and R&D, held in Osaka from Nov. 17 (Wed) - 19 (Fri), 2021. "Remote Exhibiting Plan" is available for overseas companies. Exhibit from your office & expand your business largely in Japan & APAC! [https://www.batteryjapan.jp/en-gb.html?utm\\_source=nl&utm\\_medium=banner&utm\\_campaign=2021\\_May\\_Shmu](https://www.batteryjapan.jp/en-gb.html?utm_source=nl&utm_medium=banner&utm_campaign=2021_May_Shmu)  
[el](#)

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[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. - **On Line Event**



AABC USA - 7-9 December 2021



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.)



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>

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#### **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](http://www.battery-experts-forum.com)*

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AABC Europe - 13-15 June 2022

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[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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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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[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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