



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

September 18, 2020, No. 559

Sent to Battery industry members since 1/2010, [Join our mailing list](#)  
[Battery Industry Upcoming updated list](#)  
[Battery market reports 2020](#)

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



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

13-15/10/2020 Battery Seminar - Virtual (6 hours - 3 parts of 2 hours each) -  
15:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and  
registration](#)

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

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6/10/2020 Battery Safety Tutorial as part of Batteries 2020, Lion, France  
[Program](#)

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2/11/2020 Battery Safety Tutorial as part of AABC USA, San Francisco, CA,  
USA [Program](#)

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11-12/11/2020 Battery Seminar, Wezep, Netherlands [Program](#)

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23/11/2020 Battery Safety Tutorial as part of 1st International Electric  
Vehicle & Stationary Battery Conference, Vitoria, Spain [Program](#)

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2/12/2020 Battery Safety Workshop as part of Battery Cells & Systems Expo, Coventry, UK [Program](#)

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27/4/2021 Battery Safety tutorial as part of Battery Expert Forum, Frankfurt, Germany [Program](#)

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### ***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](#)

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

[Eos Energy Storage Enters into Definitive Agreement to Combine with B. Riley Principal Merger Corp II; Combined Company to List on NASDAQ Under Symbol "EOSE"](#)

[Amazon sued for selling batteries](#)

[China's Envision eyes France for new EV battery factory](#)

[India begins to create domestic lithium-ion battery industry and curb reliance on imported cells](#)

[LG Chem flies unmanned aerial vehicle with next-gen battery](#)

[US start-up receives \\$1.7 million to commercialise its zinc-based battery](#)

[OneCharge Lithium-ion Batteries help a leading U.S. manufacturer stay at the top of the game](#)

[Natron Energy Raises \\$35 Million in Series D Financing to Expand Sodium-Ion Battery Commercialization](#)

[Saft's New Compact Nickel Batteries To Streamline Footprint And Maintenance Budgets For Industrial Sites](#)

[Large-scale European initiative for battery research starts up](#)

[BMW Brilliance Automotive doubles production capacity for high-voltage batteries in China](#)

[New Technology Lowers Fire Hazards of Li-ion Batteries, Increasing](#)

[Charging Speeds 4 Times](#)

[Proterra to supply battery tech to Australian bus manufacturer](#)

[LG Chem adds Amazon to battery customer list](#)

[Fenix to open West Midlands battery plant](#)

[BioSolar Provides Updates on Its EV Battery Solution](#)

[Mercedes ready to roll out solid-state battery tech for production in city buses](#)

[Battery manufacturer AMTE Power and InfraNomics sign landmark MOU to produce lithium cells in Western Australia](#)

[Enevate Surpasses Major Milestone of More Than 300 Li-ion Battery Patents](#)

[Magnis takes next step towards “six-minute” electric vehicle battery](#)

[Dürr expands market access in battery manufacturing technology with cooperation with Techno Smart](#)

[Panasonic To Add 14th Battery Production Line At Tesla Gigafactory 1](#)

[Good year for South Korean battery production](#)

[DOE, DoD and other federal agencies launch the Federal Consortium for Advanced Batteries](#)

[Lithium Werks, B.V., announces the formation of a new Specialty High-Performance business unit that will collaborate with leading global sports car manufacturers for their electrification of their fleet and to supply them with the world's fastest and most powerful lithium batteries](#)

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

[New electrode drying process to improve lithium-ion cell production](#)

[SK, ILJIN clash over battery copper foil plants in Malaysia](#)

[Major Success in Extra Fast Charging Battery Program Advances to Optimised Commercial Cells](#)



[NEI Corporation](#) supplies ready-to-ship, cathode and anode electrode sheets

for lithium-ion batteries in packages of 2, 5, and 10 sheets. We're still open – order today!

[Aleees sees order visibility till year-end 2020](#)

[Samsung SDI Makes Breakthrough in Battery Technology with Silicon Cathode Material](#)

[Copper Prices Are Soaring On Growing Battery Metal Demand](#)

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

[GM's future electric vehicles to debut first wireless battery management system; developed in collaboration with Analog Devices](#)

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

[Next step in Home Battery Scheme as battery prices fall](#)

[Hybrid Lithium Battery and Flywheel Energy Storage System Joins Dutch Grid](#)

[Solvation Rearrangement Brings Stable Zinc/Graphite Batteries Closer to Commercial Grid Storage](#)

[Greenko to invest around \\$1 billion in new battery storage business](#)



You have the technology to make Electric & Hybrid Aircraft fly. But what about commercial viability, certification & implementation? Join the discussion on the reality of electrification of PAM, UAM, regional & narrow-body aircraft at our: **ELECTRIFICATION OF AEROSPACE DAYS EUROPE/E & H AIRCRAFT South of France 2020** 28.–29.09.2020, Toulouse, France: <https://aerospace.euveris.eu/electric-eu/>

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**f-cell Stuttgart, September 29+30, 2020 – the annual event for hydrogen and fuel cell professionals**

The networking event consists of a leading conference, providing an up to date overview of relevant hydrogen and fuel cell markets and technologies worldwide; an international trade fair, interactive workshops and topic tables, thus offering active networking opportunities. Register online for the conference or contact us to discuss your involvement. [www.f-cell.de](http://www.f-cell.de)

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**EV Charging Infrastructure and Technology Expo 30<sup>th</sup> September to 2<sup>nd</sup> October 2020 at MECC, Maastricht, Netherlands**

[www.mnmexpo.com/ev-charging](http://www.mnmexpo.com/ev-charging) The EV Charging Infrastructure and Technology Expo, the only international event in Netherlands focuses on bringing together key stakeholders like government, utility companies, municipalities, OEM's fleet owners, researchers and electric vehicle technology providers to discuss the growth opportunities in the EV Charging Industry through new infrastructures and technology. Learn about EV Charging Infrastructure, Charging Technology, Battery Technology and Energy Storage.

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[The Batteries Event](#) will cover all aspects of the battery circular economy, beginning from the production of the battery through raw materials, battery manufacturing, battery use and safety, management and applications, going through market trends, research and development, new technologies and finally closing the loop with a focus recycling, second life and regulations. International battery industry key players such as manufacturers, end users, experts, researchers and recyclers will come together to discuss and exchange on existing recycling technologies, life cycles, secondary raw material use, producer regulatory obligations in Europe, future expectations and innovations.

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[The Battery Show Europe](#) : 14-16/10/2020 - Join industry peers at the leading meeting place for the advanced battery and H/EV technology community, where you can

meet over 350 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 such as Daimler, CATL and Volvo. Use the code 'SDLE10' for 10% off conference passes.

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[eMove360 battery conference - Kohlebunker, Germany 20-21/10/2020](#)

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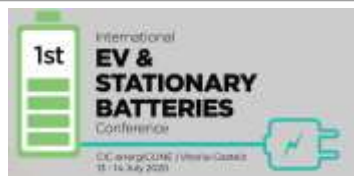
21-23/10/2020 - InterBattery is the only marketplace where world's leading battery manufacturers such as Samsung SDI, LG Chem and SK Innovation attend at the same time, and showcase their products capabilities. Exhibitors can meet both domestic and international key buyers and therefore make new business deals. Asia's No.1 Battery Show, InterBattery 2020, provides you the diversity of concurrent events, differentiated services such as Biz-matchmaking, accommodation, 24/7 online promotions. Join the InterBattery 2020, where more than 200 companies, 30,000 buyers attend. <http://interbattery.or.kr/en/>

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[AABC USA](#) Conference, 2-5/11/2020, San-Francisco. CA. USA

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[1st EV & Stationary Battery Conference](#), Vitoria, Spain 23-24/11/2020 - 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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[Battery Cells & System Expo 2020](#) - A major exhibition and conference for the advanced battery industry launches on 1st-3rd December 2020 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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ACI's European Electric Vehicle Batteries Summit will be taking place in Rotterdam, the Netherlands on 9th – 10th December 2020.

The conference will look at [\*\*'Advancing Battery Performance While Driving Down Production Costs: Unleashing The Power of Electric Mobility'\*\*](#).

For more information or to register your attendance contact Marcin Janecki at [mjanecki@acieu.net](mailto:mjanecki@acieu.net) or phone +48 61 646 7047.

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AABC Europe 2021 Conference - 17-21/1/2021, Wiesbaden, Germany

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The Battery Technology Show, 23-24 February 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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## 12th Int'l Rechargeable Battery Expo **BATTERY JAPAN**

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.)



The Battery Technology Show & Future of Electric & Hybrid Vehicles, 13 April 2021

Co-located with WCX in Detroit, 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.

[www.batterytechnologyusa.com](http://www.batterytechnologyusa.com)



**BATTERY CONFERENCE AND EXHIBITION**

*The Battery Experts Forum 27/4-29/4/2021 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)*



The 5th FENIBAT will gather in Londrina, Paraná, Brazil, from May 23 to 25, 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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The 14th China International Battery Fair (CIBF2020), organized by China Industrial Association of Power Sources, was originally planned to be held in Shenzhen Convention & Exhibition Center from May 25 to 27, 2021. 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 19-21, 2021, and the exhibition venue, booth number and area of exhibitors will remain unchanged.

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49th Power Sources Conference, 7-10 June 2021, 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 11<sup>th</sup> International Conference on Lead-Acid Batteries LABAT'2021 will be held 8-11 June 2021 in the magnificent Golden Sands resort on the Bulgarian Black Sea coast ([www.labatscience.com](http://www.labatscience.com)). LABAT is a globally recognized scientific forum gathering leading battery experts, technologists and academic researchers from all over the world. LABAT'2021 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 exhibition fair will present a perfect opportunity to showcase your new products and services.

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## **Energy Storage North America & Intersolar North America | July 14-16, 2021**

The premier solar + storage events come together for the first time in Long Beach, CA—connecting installers, developers, utilities, technology providers, policy makers, and key stakeholders from around the world to advance the clean energy future. Learn more: <https://www.esnaexpo.com/sdl/>.

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

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