



## Shmuel De-Leon Energy - Battery Weekly Newsletter

July 24, 2020, No. 551

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[Battery Industry Upcoming updated list](#)  
[Battery market reports 2020](#)

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### ***Battery Safety Virtual Training***

6/8/2020 Battery Safety training - Virtual (2 hours) - 16:00 AM Central  
Europe Time, 11:00 AM EST USA Time - [Program](#) - [Registration](#)

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### ***Battery Training***

27/7/2020 Battery Safety Tutorial as part of Florida International Battery  
Seminar, Fort-Lauderdale FL, USA [Program](#)

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13/10/2020 Battery Safety Workshop as part of The Battery Show Europe  
2020 - Stuttgart, Germany [Program](#)

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23-24/10/2020 Battery Seminar, Le Bourget Du Lac, France [Program](#)

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26-27/10/2020 Battery Seminar, Appenzell, Switzerland [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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17-19/11/2020 7th Li-Ion cells Manufacturing Seminar + Battery Safety Workshop, Rochester, NY, USA [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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2.2021 TBD 3rd Li-Ion Solid Electrolyte & Lithium Metal rechargeable cells manufacturing Seminar, Livermore, CA, USA [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***

[BMW Signs \\$2.3 Billion Battery Order With Goldman-Backed Firm](#)

[KULR Commercializes Battery Safety Technology for Volta Energy Products](#)

[Samsung, Hyundai continue exploring solid-state car batteries](#)

[Apple Could Be Exploring Wireless Charging Battery Cases](#)

[GM quietly announces EV pickup with nearly 650-km battery range](#)

[Successful reuse of EV batteries helps 'build confidence in 2nd life concept'](#)

[BMW intends to have EVE Power as second local battery supplier for China market](#)

[Korean battery maker drama threatens Ford's all-electric F150 truck, US jobs](#)

[CATL Ready To Supply New LFP Battery Cells For China Bound Model 3](#)

[Assault on battery: EnerSys subjects NexSys PURE battery to series of "extreme](#)

[endurance” tests](#)

[UK’s next-gen warplane could tap battery power](#)

[APB Corp Readies Production of All Polymer Battery](#)

[Varta starts building new Li-Ion battery factory](#)

[Bosch and Gardena establish Battery Alliance](#)

[Rosatom unit to deliver batteries to Bulgaria's Technoimport](#)

[Gotion High-Tech starts constructing eighth battery manufacturing base](#)

[Implantable battery milestone toward Leviticus Cardio U.S. LVAD Trial](#)

[UK’s first battery gigaplant moves a step closer with signature of landmark MoU](#)

[Renowned Lithium Battery Company Wins Prestigious Contract with General Dynamics Land Systems](#)

<https://www.renewableenergymagazine.com/storage/uka-s-first-battery-gigaplant-moves-a-20200717>

[Gotion is building new battery factory thanks to VW](#)

[Panasonic denies ‘13 million battery cell per day’ production at Tesla Gigafactory Nevada](#)

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

[PGMs to play a greater role in lithium-ion battery development, says PTM](#)

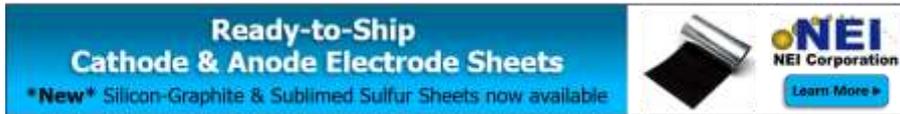
[POSCO Chemical: Future Value to Rise on Aggressive Investment](#)

[USABC awards \\$2.4M contract to WPI for development of low-cost/fast-charge batteries for EV applications](#)

[Russian scientists identified energy storage mechanism of sodium-ion battery anode](#)

[A new breakthrough in lithium-silicon batteries](#)

[New EU project to boost battery development](#)



[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!

[SK Holdings invests additional \\$83 mn in top Chinese copper foil maker](#)

[Cobalt-free battery promises higher energy density, cheaper cost](#)

[alpha-Encorp's Pre-Lithiated Anode Boosts Battery Performance](#)

[VW warns Korean battery row could lead to 'catastrophic' supply disruption](#)

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

[FEV launches new solutions for high voltage battery testing](#)

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

[Five reasons why lithium ion batteries are best for data centres](#)

[Solar Giant Sunrun Sees Vivint Deal as Key to Battery Growth](#)

[Revolutionizing Large-Scale Energy Storage: Better Multivalent Metal Batteries](#)

[51MWh vanadium flow battery system ordered for wind farm in northern Japan](#)

[Tesla batteries deal another blow to Australia gas plants with record 150MW output](#)

[LG Chem, SolarEdge Partner on Storage Solution](#)

[Enel targets 1GW of battery deployment alongside major renewables push](#)

[Redflow and carbonTRACK collaborate to add Virtual Power Plant functionality to flow batteries](#)

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[International Battery Seminar & Exhibit conference 2020, Orlando, FL, USA – 27/7-30/7, 2020](#)

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f-cell+HFC September 9+10, 2020 The Hydrogen and Fuel Cell Event being held at the prominent Vancouver Conference Centre. 50+ International Speakers, Trade Fair, Workshops and a celebrated Evening Event are included. Participate as a Sponsor, Exhibitor, or as a Visitor at this Canadian highlighted networking event. Follow us on social media #fcellhfc and watch the options grow on our website [www.hyfcell.com](http://www.hyfcell.com)

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**25<sup>th</sup> International Congress for Battery Recycling ICBR 2020, September 16 – 18, 2020, Salzburg, Austria**

ICBR 2020 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. <https://www.icm.ch/icbr-2020>

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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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From October - TDB, Soteria Battery Innovation Group and NAATBatt will be co-hosting a workshop on Lithium-ion battery safety in Greenville, South Carolina. The workshop will kick off with a half-day battery safety training by Shmuel De-Leon Energy, followed by a full day outlining today's issues and potential solutions. The meeting will bring together different perspectives throughout the industry from the material level to the end user.

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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 500+ suppliers. 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 - Messe Munich, Germany 20-22/10/2020

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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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The Battery Technology Show Virtual Expo - 21-22 October 2020  
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.  
<https://www.batterytechnologyshow.com/virtualevents>

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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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**Energy Storage North America & Intersolar North America | January 12-14, 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 and unlock a special offer for Shmuel de-Leon readers: <https://www.esnaexpo.com/sdl/>.



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



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)



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, 2020. 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.



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)

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## BATTERY EXPERTS FORUM

### *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)*

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[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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[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.



[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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