

Shmuel De-Leon  
Energy Ltd 

## Shmuel De-Leon Batteries, Super-Capacitors, Fuel-Cells & EV's Weekly Newsletter

November 29, 2019, No. 517

Sent to more than 150,000 Energy Storage industry members  
Serving the industry since 1/2010

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**NAATBatt**  
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### ***Battery Training***

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14/1/2020 Battery Safety Tutorial as part of AABC Europe, Wiesbaden.  
Germany [Program](#)

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21-22/1/2020 2nd Li-Ion Solid Electrolyte & Lithium Metal (Liquid & Solid  
electrolyte) Rechargeable Cells Manufacturing Seminar (USA). [Program](#)

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10/2/2020 Battery Safety Tutorial as part of NAATBatt 2020 Annual Meeting  
& Conference, Pasadena, CA, USA [Program](#)

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19-20/2/2020 2nd Solid Electrolyte Li-Ion Cells Production Technology  
Seminar Europe, Germany [Program](#)

## ***Special Offers***

Shmuel De-Leon Energy provides an on-demand purchasing services for cells and batteries from all chemistries and vendors: [Some of the cells we sell](#)

[Shmuel De-Leon Energy provide a new Battery Daily News Service - Sign up fr free 30 days trial](#)

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

[VIDEO — Sam Jaffe: Global Lithium-ion Battery Market Still Set to Double by 2020](#)

[NHTSA probing Tesla for defects that cause battery fires](#)

[Guoxuan to Invest USD783 Million to Expand Lithium Battery Capacity](#)

[BMW opens Battery Competence Centre in Munich](#)

[EnerDel Secures Order With Workhorse Group to Supply Batteries for its C1000 Electric Delivery Vehicle](#)

[CNH Industrial and Microvast hatch joint plan to develop vehicle batteries](#)

[Energizer Moving VT Battery Manufacturing Facility to Former Rayovac Plant](#)

[China's lithium-ion battery production up 7.7% YoY in Jan-Sep](#)

[Guoxuan High-Tech to add 7GWh lithium battery capacity in Tangshan](#)

[Snorkel starts production of its first-ever lithium-ion battery access platforms](#)

[LG Chem CEO vows to support battery parts makers](#)

[KULR Technology to Collaborate with Global Tier-1 Power Tool Manufacturer for New Line of Performance Products](#)

[Elon Musk says he chose Berlin over U.K. for Tesla battery factory due to Brexit](#)

[Kraken Announces Major Subsea Battery Milestone With Ocean Infinity](#)

[Battery maker Energizer planning 440 jobs at Johnson County facility](#)

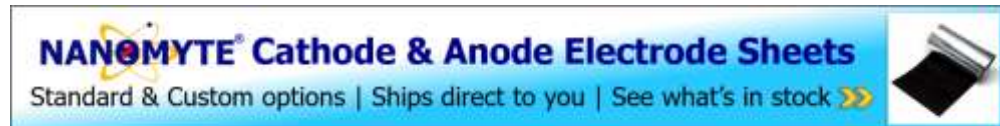
[EESstor Corporation Enters into Letter of Intent to Acquire FWG Ltd.](#)

[Firm reveals plans for Africa's first lithium-ion gigafactory to supply the energy storage and EV markets](#)

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

[AMG to built Lithium Hydroxide refining plant in Germany](#)

[Breakthrough Rechargeable-Battery Tech Is Coming out of Yonkers](#)



**NANOMYTE® Cathode & Anode Electrode Sheets**  
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[NEI Corporation](#) supplies cathode and anode electrode sheets for lithium-ion batteries in packages of 2, 5, and 10 sheets. Standard sheets are ready-to-ship or can be customized to your specification. Request your quote today!

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

[Nikola develops new battery technology](#)

[Lithium thin-film battery boosts energy density](#)

[NCM 811 Almost Account For A Fifth Of EV Li-Ion Deployment In China](#)

[BYD and Toyota to establish battery R&D company](#)

[Beyond lithium: alternative materials for the battery boom](#)

## ***xEV`S News***

[California to cap electric vehicle rebates at \\$60,000](#)

[New details on Tesla Gigafactory 4 near Berlin](#)

[GM trims battery costs, aims to make profitable EVs](#)

## ***Chargers News***

[Panasonic develops new battery management technology](#)

[Tata Nexon EV charging specifications revealed](#)

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

[Is the LG Chem RESU battery right for your home?](#)

[Hit by drought and power cuts, Zimbabwe steps up battery storage](#)

[Oil giant Total to build 'Nordics' largest battery' at wind farm](#)

[SRP boosting solar battery storage that can power 100K homes](#)

[Battery plans and solar farms creating a buzz](#)

## ***Fuel Cells News***

[New HiL Simulator for Fuel Cell Controllers: NovaCarts Fuel Cell](#)



Shmuel De-Leon Energy will organize the [8th Israeli Battery Conference & Seminar](#) in Kefar-Saba, Israel, 16-18/12/2019.



[AABC Europe 2020 conference, Wiesbaden, Germany – 12-16/1/2020](#)



Amprion and Shmuel De-Leon Energy will organize the [Amprion Forum Battery Event](#) to present Amprion company and products to invited attendants. 20/1/2020, Fermont, CA, USA



NAATBatt 2020, the 11th annual meeting of NAATBatt International, will be held February 10-13, 2020, at the Langham Huntington Pasadena hotel in Pasadena, CA. The program will focus on the advanced battery market in North America across multiple applications, including motive, ESS, military, consumer and industrial. The latest market trends, forecasts and

technologies will be reviewed by leading experts in advanced battery markets and technologies. See: <https://naatbatt.org/2020conference/>



Join the most insightful and innovative conference in Europe and be part of the newest technological advancements in electric motor technologies.

*Automotive IQ* is due to hold the: [8th International Conference Advanced E-Motor Technology 2020](#), between the **10-13 February 2020** in Titanic Chaussee Berlin in Germany.

At the conference you will learn about:

- Learn about the **latest testing methods** and **optimization workflow** for **e-motor design**
- Get to know ways to **optimize energy management** and increase **range of autonomous EVs**
- Hear achievements shared by the industry committed to being **fully electric** with lessons learned and case studies from OEMs and Tier1 suppliers
- Meet leading OEMs from Europe and Asia and hear their views on the **e-motor architecture** and **design**
- Get to know **leading car makers** and e-motor manufacturers and hear about their **latest innovations** in the space

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## 11th Int'l Rechargeable Battery Expo

# BATTERY JAPAN

[BATTERY JAPAN 2020](#) is the Japan's largest B-to-B trade show for rechargeable battery industry to be held in Tokyo. The show scale has been increasing year after year and we are expecting to welcome 1,600\* exhibitors & 70,000\* visitors from all over the world. (\*incl. concurrent shows)  
Exhibit & Visit the show to expand your business in Japan and Asia!



f-cell+HFC April 1+2, 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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[International Battery Seminar & Exhibit conference 2020, Orlando, FL, USA – 30/3-2/4, 2020](#)

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The Battery Technology Show & Future of Electric & Hybrid Vehicles, 21-23 April 2020

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 Show Europe conference 2020, Stuttgart, Germany – 28-30/4/2020](#)

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RRC Power Solutions GmbH and Shmuel De-Leon energy are pleased to invite you to participate in the [3rd Medical battery conference](#), which will take place at the Hotel Columbus, Seligenstadt, Germany on May 4-5, 2020. The Conference for Medical batteries will meet to discuss and provide a platform for technological innovations and business opportunities with the latest updates in that fields in Germany and abroad. The conference is held once a year and is the leading and the only Medical Battery dedicated conference, bringing together participants from leading private and public battery and companies, start-ups, investors, academics and businesses that are interested in the Medical battery field.

Conference Web Site: <http://www.medicalbatteryconference.com/>

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The 11<sup>th</sup> International Conference on Lead-Acid Batteries [LABAT'2020](#) will be held 9-12 June 2020 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'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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[49th Power Sources Conference](#), 15-18 June 2020, 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 eleventh International Flow Battery Forum will be held in Düsseldorf, Germany from 30<sup>th</sup> June – 2<sup>nd</sup> July 2020. The IFBF is the major international conference covering all aspects of flow battery research, development, technology, manufacturing and commercialization. Volterion and John Cockerill will be hosting visits to flow batteries after the conference. **The call for papers opens on 1 December 2019:** <https://flowbatteryforum.com/call-for-papers/>

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Battery Cells & System Expo 2020 - \_A major exhibition and conference for the advanced battery industry launches on 8th - 9th July 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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**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)



**The Battery Technology Show, 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.

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

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