

Shmuel De-Leon Energy - Battery Weekly Newsletter

July 22, 2022, No. 655
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Battery market reports 2022

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Virtual Battery Trainings

Li-Ion Cells Manufacturing Virtual Seminar - 19-20/7/2022 - 7 hours training -

Program & Registration

9-11/8/2022 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

16-18/1/2023 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

Li-Ion Cells Manufacturing Virtual Seminar - TBD - 7 hours training - Program & Registration

Frontal Battery Training

7-8/9/2022 - 8th Li-Ion Cells Manufacturing Seminar - program & registration

25-26/10/2022 - 1st Europe EV & ESS Hands-On Battery Design and Production Seminar - Program and registration

November 2022 - Final dates TBD - 2nd EV Hands-On Battery and Production Seminar - program and registration

Special Offers

Shmuel De-Leon Energy support customer with Li-Ion cells supply problems via our Far East cell suppliers - Join our cells customers group and get a weekly update with cells allocations and offers. send us request to be added to our cells customers group.

<u>Shmuel De-Leon Energy provides an on-demand purchasing services for cells and batteries from all chemistries and vendors</u>

Shmuel De-Leon Energy provide a new Battery Daily News Service - Sign up fr free 30 days trial

We also sell chipset for PCM/BMS - Contact us with requirements.

Batteries and Super Capacitors news

ZapBatt Partners With Toshiba To Create Longer Lasting E-Bike Batteries

Rimac follows Tesla in developing 46mm battery cells, but at 'varied heights' beyond 80mm

Estonia's Skeleton to build Siemens-designed supercapacitor factory in Germany

Battery makers seek price hikes on lack of Russia rare metals

CATL scouts Mexico for EV battery plant to supply Tesla, Ford

<u>Hindalco</u>, <u>Israel's Phinergy partner to develop aluminium-air batteries for EVs in India</u>

Zinc8 considering new battery factory in Ulster

Automakers look to the South to build electric vehicle batteries

New sensors help improve battery life in electric cars

SK, Ford launch new battery JV

Britishvolt and H&T Battery Components collaborate on battery cans made in UK for automotive battery cell applications

H.C. Starck Invests in Nyobolt, an Ultra-fast Charging, Ultra-high Power Density Battery Business

VinFast EV factory wins North Carolina's top incentives package

New Li-Ion Chemistry Promises To Be the Holy Grail of EV Batteries

Log9 Materials: Making EV batteries in India, for India

Rosatom to open the production of lithium-ion batteries for electric vehicles in Moscow

Construction Starts on Volkswagen's 40GWh Battery Cell Gigafactory in Salzgitter, Germany

Solid State to acquire battery manufacturer for USD45 million

Thor Industries invests in lithium-ion battery maker

AMTE Power joins forces with Mahle Powertrain

EV Startup Canoo Has Second Battery Fire in Preproduction Tests

<u>EU a Step Closer to Adopt Expansive New Rules Covering Batteries for</u> Medical Devices

Samsung SDI, besides 4680 battery for Tesla, to develop 4695, 46120 batteries

Fire at Amsterdam recycling firm likely caused by incorrectly disposed of batteries

Battery Materials news

Zim Lithium Secured By China's US\$300Million Investment Toward Vision 2030

Inno Fire: Soelect develops lithium anode batteries, plans to build \$204M joint venture manufacturing plant

TES to Play Strategic Role in Australia's Battery Recycling Ecosystem

<u>SiTration Raises \$2.35 Million in Pre-Seed Funding to Revolutionize Battery</u> Recycling for Electric Vehicles



<u>NEI Corporation</u> offers a variety of cathode and anode electrode sheets that are suitable for a wide range of Li-ion and Na-ion applications. Customers can choose from standard, ready-to-ship tapes or customize to their own specifications. Get a quote today!

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

Easpring's Tie-Up With Qingtao Kunshan on Solid-State Batteries Sends Shares Higher

VW's Battery Unit Faces Supply-Chain Hurdles in Road to IPO

Heritage and 6K partner to make lithium-ion cathodes from recycled batteries

Chargers & BMS News

Swapping batteries: How India is moving ahead with adoption of EVs

Grid Storage Batteries News

FRV, Harmony break ground on 99-MW battery storage project in UK

Orix, KEPCO team up for 48-MW battery storage project in Japan

VW launches HPC park with 2nd life batteries in Zwickau

Norwegian oil and gas major Equinor buys US battery storage developer East Point Energy

Wärtsilä delivering 2GWh battery storage for Clearway Hawaii and California solar plants

\$300M battery storage project proposed for Prince Township

Fluence to supply 11.7-MW/34-MWh battery for German solar park



Date: 26-27 July 2022, Buenos Aires, Argentina, Organizer: Vostock Capital, Official Website

Congress and Exhibition "Lithium Latin America" is the only international professional platform for top-level networking of key industrial lithium producing enterprises, regulatory authorities, government, technology and equipment suppliers, and investors across Latin America, the US, Canada, and Europe.

Request more information here



Solid State battery summit 2022 - August 2-3, 2022 - Chicago, IL, USA



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 4th International Symposium on Magnesium Batteries (MagBatt IV) will take place from September 6 to 8, 2022 in Ulm, Germany. As always we will welcome some of the world's top battery speakers. This time we extend the program with calcium, zinc and aluminum batteries.

Web: https://www.postlithiumstorage.org/en/magbatt-iv



The highlight industry event for battery and H/EV professionals is back! **The Battery Show** and **Electric & Hybrid Vehicle Technology Expo** returns to Novi from **September 13-15, 2022**, and it's your chance to meet 750+ exhibitors showcasing the latest solutions from across the battery and EV

supply chains. Registration is now live, click the link to get your free pass.

Link: https://register.thebatteryshow.com/zKVWBI



The 6th World Energy Storage Day- Global Conference and virtual Expo (GCE), which will be held on 22 September 2022. WESD is a global movement initiated by various apex trade bodies working to promote and adopt energy storage, e-mobility & green hydrogen technologies for a sustainable future. This event is one of the largest open global event in this domain. The program highlights include: Country roundtable, Technology workshop, Partner seminar, Virtual tour, Start-up pitch, Product launch, Networking lounge, Virtual expo, Media corner



The 12th Battery Safety Summit 2022 - October 17-19, 2022



<u>Batteries Event 2022</u> will take place in Lyon, France, 18-22/10/2022. Our ambition: to be a must-attend event for those who want to meet with high

level representatives and have a clear vision of the profound transformations to come, made possible by the massive growth of the battery industry in Europe. We will welcome you in Lyon, from October 18 to 21, at Palais des Congrès. We expected +500 attendees, 100 international speakers and +60 booths.

Site: https://batteriesevent.com/

Linkedin: https://www.linkedin.com/in/batteries-event-lyon-france-

896140146/

Twiter: @BatteriesEvent



3rd Future Battery Forum 20212

Topic: "Next level: Establishing the battery society"

Date: 03 - 04.11.2022

Location: Estrel Convention Center, Berlin, Germany

 Target groups: users, battery systems & cell manufacturers and their suppliers

Hybrid conference: 500+ people on site and 2,000+ virtually

Floorplan

• Details: <u>www.futurebattery.eu</u>



AABC USA - 5-8 December 2022

Int'l Rechargeable Battery Expo BATTERY JAPAN

16-17 March 2023 - Battery technologies are the key to achieving carbon neutrality by 2050 as they will largely contribute to the popularisation of renewable energy and EVs. BATTERY JAPAN gathers a broad range of technologies, components, materials, and devices for rechargeable batteries development & production. The show attracts professionals from all over the world.

Exhibit and visit BATTERY JAPAN to meet industry professionals face to face.

>> Exhibiting Info Request (FREE)

>> Visitor Ticket Request (FREE)



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.



International battery seminar & exhibit 2023 - March 20-23/2023



InterBattery2023, first launched in 2013 in Seoul, Korea, is Korea's leading battery exhibition showcasing various new products and technologies of battery industry. InterBattery 2023 attracts more than 400 exhibitors(domestic/overseas) and 1,200 booths including global top corporates of battery manufacturers such as Samsung SDI, LG Energysolution, SK On, CATL. CHARGE Your Business through InterBattery 2023! The link for our website is: http://interbattery.or.kr/en/



The Battery Show Europe: 23-25/5/12/2023 - 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 Europe - 19-22 June 2023



<u>Battery Cells & System Expo 2023</u> - A major exhibition and conference for the advanced battery industry launches on 28th-29th, June, 2023 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.



After a very successful post-pandemic event last May, the sixth FENIBAT Expo + Conference will gather in Londrina, Brazil, the whole South American Battery industry with its suppliers from all over the world in October 2023. It will include the second FENILITIO, focused on Li-ion and all nascent chemistries. The 700 expected attendants will find a renewed FENIBAT, with more than 20 presentations and over 120 brands Exposition in a new venue, the pleasant and wide space of the Village Events Londrina. The FENIBAT + FENILITIO, the biggest battery event in Latin America, is a must-attend show for all suppliers of the battery industry interested in the South American market. www.fenibat.com - fenibat@fenibat.com - +55 43 999 37 49 11



<u>49th Power Sources Conference</u>, TBD 2023, 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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