



# BATTERY WORKSHOP AT HADERA ENERGYTECH 2018

May 29, 2018 – Hilton, Tel-Aviv, Israel

## Seminar Program Topics

EV batteries  
Grid Storage Batteries  
Battery Innovation – Beyond Li-Ion  
Battery Safety

## Who Should Attend?

Battery and energy storage users  
Pack assemblers  
Cell makers  
Energy storage suppliers  
Academic researchers  
Energy storage/Power R&D engineers  
Organization Safety managers  
Battery shippers and disposals  
E-Mobility industry members  
Others industry members

## Seminar Location

Hilton Tel-Aviv

## Seminar Schedule

May 29, 2018  
14.00 - 17.00

## Language

Hebrew (unless further notice)

## Presentation Hard Copy

By the end of the seminar, each participant will get the presentation hard-copy (we are not providing soft copies)

This Seminar is being held as part of the Hadera Energytech Event organized by Israel Defense

A seminar ticket costs 250\$ or NIS 1,000, and includes participation at the seminar, full pass to the Energytech lectures & exhibition, and lunch

Batteries have become the most important portable power source, and are essential components in virtually every sector that utilizes electronic and/or electrical equipment.

As the most important portable power source, batteries are omnipresent in virtually every sector that utilizes electronic/electrical equipment. Batteries presently power a wide array of products, ranging from portable electronic items, such as handheld calculators, transistor radios, smartphones, aerospace subsystems, stanley industrial power system to motor vehicle electrical system.

This seminar will include three parts: EV Batteries and Grid Storage Batteries; New Battery Technologies; and Safety.

First, we will review and highlight the latest developments of the two main drivers responding nowadays to the high demand for batteries: EV batteries and the Grid Storage batteries.

Then, we will discuss the Boeing Dreamliner battery safety event and learn specifics on the new and innovative battery technology arena:

- >> Lithium Ion Silicon based anode
- >> Li-Ion Solid Electrolyte
- >> Lithium Sulfur
- >> Lithium Metal
- >> High Voltage Li-Ion
- >> Li-Ion Air

Last but not least, we will learn about safety, battery safety - a sometimes forgotten topic when immersed in the race for energy density. For this matter, we will show an updated presentation on battery safety, including battery cycle life (acceptance, testing, assembly, use, transportation and disposal).

## About Shmuel De-Leon

This workshop is planned and taught by Shmuel De-Leon, who has over 25 years of experience in the field. Shmuel De-Leon is the Founder and CEO of Shmuel De-Leon Energy, Ltd. He is a leading international expert in the business of Power Sources, Energy storage and Ev's. Prior to founding the company, Shmuel held for over 20 years various positions as a power sources, engineering and quality control team manager. Shmuel holds BSc. in mechanical engineering from Tel-Aviv University and MBA in quality control and reliability engineering from the Technion Institute in Haifa, as well as an Electronic Technician's diploma.

## Training Schedule & Agenda

14:00 – 14:45 EV and Grid Storage batteries  
14:45 – 15:30 Grid Storage Batteries  
15:30 – 16:00 Battery Innovation Beyond Li-Ion  
16:00 – 17:00 Battery Safety

## Remarks:

- >> Cancellation of registration must be made in writing only.
- >> In case of cancellation of the seminar due to force majeure, speaker's preventions or lack of participants, those participants who registered and paid will be informed accordingly no later than 7 days before the event and their payment will be refunded no later than 30 days after the cancellation notice.
- >> In case of cancellation of the seminar up to 7 days before the seminar, claims for compensation for the event, travel, and/or accommodation costs are excluded.