

# Bulletin

## Industry Divisions



Reference No. EV Seminar recording/jk-09-23

Date: 07/09/2023

### VACC Electric Vehicle Seminar



Dear Member

Due to popular demand, VACC has released a recording of the recent electric vehicle seminar hosted at VACC house for those who could not attend on the night.

Recharge on an electrifying presentation delivered by Dirk Fuchs, founder of Electric Mobility LLC.

Recently Dirk originally from Germany but now residing in Colorado USA, spoke about opportunities, risks, preparedness, and the importance of adequate training when dealing with electric vehicles and high voltage systems. Those who attended on the night left with much to ponder about the future and where the automotive industry was heading. Many expressed, it was one of the most engaging and interesting two-hour seminars they had attended.

If you are looking to learn more about electric vehicles from a service and maintenance perspective, then this is a must! I highly encourage you to share the key learnings with your staff ensuring they too are aware of the inherent dangers associated with electric vehicles. One thing is for sure, when working on electric vehicles, education and training should be your number one priority.

The following learning objectives were covered on the night:

- **High Voltage Safety**
  - Understand the use of Personal Protection Equipment (PPE).
  - Explain High Voltage hazards and risks.
  - Describe the High Voltage system.
  - Understand the function of High Voltage system components such as HV Battery,
  - Inverter, Electric Motor, Charger, DC/DC Converter, and all auxiliary systems.
  - Explain Potential Equalization (bonding).
  - Explain the Vehicle Intake process and all needed safety measures.
  - Describe the determination of the state of the HV Battery.
  
- **High Voltage Certified Disconnecting Procedure**
  - Understand all steps to safely disconnect a high Voltage system.
  - Explain the verification of zero potential.
  - Explain passive and active discharge.
  
- **High Voltage Service and Diagnostics**
  - Understand diagnostic methods on an electrical vehicle.
  - Explain the use of a manufacturer diagnostic tool.
  - Explain CO Monitoring and the proper use of a Thermal imaging Camera.
  - Describe Battery Management and Diagnose Live Data
  - Understand High Voltage Connector and the important of low resistance.

If you are interested in purchasing the electronic copy of Dirk's presentation, please follow the instructions below to purchase a copy. Cost is \$30.28 incl. GST.

Click the link [here](#) for your registration.

Login Instructions:

1. Open your confirmation email
2. Click on the View Event button
3. Sign in using your Google, Facebook or Apple account, or you may need to create an Eventbrite account.
4. Click on the Join Now button
5. Enter password, see confirmation email for password.

*Please note: All seminar participants will be receiving a complimentary copy.*

**John Khoury**  
Industry Policy Advisor