

# Collision Repair Training Workshop

**automechanika**  
KUALA LUMPUR

1 – 3.8.2024

Kuala Lumpur,  
Malaysia

## Collision Repair Training Workshop

Malaysia's automotive market is undergoing a transformation driven by new energy vehicles and technological advancement. The country's New Industrial Master Plan (NIMP 2030) supports the growth of the electric vehicle industry through policies, incentives, regulations, and standards harmonization.

Smart mobility, electrification, digitalization, and sustainability are guiding the transition of the automotive industry, with the uptake of electric vehicles driving innovation and sustainable development. Automechanika Kuala Lumpur will reflect these trends to foster the shift towards a greener and more advanced automotive industry.

This year, the Collision Repair Training Workshop of **Automechanika Kuala Lumpur** will collaborate with a renowned institution of excellence, specializing in automotive education and training, **ESnet Academy** to explore the knowledge of the EV subsystem basics, functions technical specifications, and most importantly, hands-on training in diagnostic and troubleshooting techniques using a diagnostic scan tool.

Additionally, the workshop covers the basic requirements and best practices for setting up an electric vehicle workshop (servicing and body & paint) to reduce the hazards and risks associated with high-voltage systems.

### Key takeaways from the workshop:

- Learn modelling of individual in-vehicle sub-systems
- Integration of sub-models into full EV functional models
- Understand physical sub-systems – motor, battery, controllers, and so on
- Build learning of important technical specifications and diagnostic

### Workshop agenda

**Fair Date** 1 – 3.8.2024

**Opening Hours** 10:00 – 17:00 (1 & 2 Aug); 10:00 – 12:00 (3 Aug)

**Venue** Workshop, Hall 4, Kuala Lumpur Convention Centre, Malaysia

### Attendance Profile

- Government officials and representatives from departments related to the automotive industry
- Automotive industry professionals involved in OE and aftermarket, Service provider (service center, auto refitter/tuner/garage/workshop/service center/petrol), independent workshops, body and paint, repair and maintenance, car care, auto parts shop
- Workshop owners, automotive repair technicians, and mechanics
- Employees of automotive academies, colleges, and training centers
- Trade association
- Personnel from insurance companies, including insurance adjusters and officers
- Automotive trainers, coaches, and instructors

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**Fee\***

- RM 300 / 1 day course
- RM 500 / 2 days course°
- Coffee & tea, lunch is included

- \*- Registration fee is required and subject to 8% SST
- °- The HRDCorp claimable programme is only applicable for the 2 days programme  
An additional 4% administration fee is chargeable for HRDCorp claims
- \*- Group ticket offer is available for a single purchase of two tickets or more
- ✓ Simultaneous interpretation (English/Mandarin) is available
- ✓ Certification of Attendance (Digital) will be issued to the attendees

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**Organiser**

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**Strategic Partner**

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**Knowledge Partners & Sponsors**

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**Supporting Association / Organisation**

马来西亚汽车修理厂商总会  
PERSEKUTUAN PERSATUAN PEMILIK BENGKEL KERETA MALAYSIA  
THE FEDERATION OF AUTOMOBILE WORKSHOP OWNERS' ASSOCIATION OF MALAYSIA

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For Malaysian companies:  
Tel: +60 3 7803 2276  
[auto@messeww.com](mailto:auto@messeww.com)

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**Trainers & Speakers Line-up**

Day 1, 1 August 2024 (Thursday):

Time	Activity
10:00 – 10:30	<b>Registration &amp; reception with refreshments</b>
10:30 – 10:40	<b>Collision Repair Training Workshop Overview and Agenda</b>
10:40 – 11:15	<p><b>Part 1: Specialized Training and Certification</b></p> <p>Electric vehicles (EVs) become more prevalent on the roads, collision repair technicians are increasingly required to undergo specialized training to safely and effectively repair them. This training covers essential topics such as high-voltage electrical systems, proper handling of EV battery packs, and learning new repair methods tailored to the unique attributes of electric vehicles.</p> <p><b>Trainers: Mr. Cheong Weng Hong, Mr. Chan Kah Yoong, ESnet Academy</b></p>
11:15 – 11:45	<p><b>Part 2: Construction and working principles of High Voltage components in an electric vehicle</b></p> <p>The electric vehicle system works and the functions of the high voltage components which include the safety and hazards.</p> <p><b>Trainers: Mr. Cheong Weng Hong, Mr. Chan Kah Yoong, ESnet Academy</b></p>
11:45 – 12:00	<b>Coffee and tea break</b>
12:00 – 12:45	<p><b>Hands-on demonstration</b></p> <p>The Electric Vehicle training platform, we will demonstrate how the driving mode, regenerative braking mode and charging system work in an electric vehicle.</p> <p><b>Trainers: Mr. Cheong Weng Hong, Mr. Chan Kah Yoong, ESnet Academy</b></p>
12:45 – 13:00	<b>Question and Answer session</b>
13:00 – 14:00	<b>Lunch break</b>
14:15 – 15:45	<p><b>Part 3: Electric Vehicle Servicing and Repair: Basic Requirements and Safe Approaches</b></p> <p>The workshop basic tools, equipment, trained management and technician qualification for operating electric vehicle business and that includes safety policy and public insurance coverage in the servicing and body &amp; paint sector.</p> <p><b>Trainers: Mr. Cheong Weng Hong, Mr. Chan Kah Yoong, ESnet Academy</b></p>
15:45 – 16:00	<b>Coffee and tea break</b>
16:00 – 17:15	<p><b>Part 4: Best practice of dealing with accident electric vehicle recovery</b></p> <ul style="list-style-type: none"> <li>- Risk assessment, accident towing and body &amp; paint basic requirement for handling electric vehicle repair</li> <li>- Best practices to be adopted by the automotive stakeholders when dealing with accident electric vehicle recovery, sales, services and body repair.</li> </ul> <p><b>Technical Consultant: Mr. Daniel Loh Hock Yew, ESnet Academy</b></p>
17:15 – 17:30	<b>Question and Answer session</b>

**Day 2, 2 August 2024 (Friday):**

<b>Time</b>	<b>Activity</b>
10:00 – 10:30	<b>Registration &amp; reception with refreshments</b>
10:30 – 11:00	<b>Innovative Electric Vehicle Training Platform</b> - To introduce the advanced EV training platform and how the new innovative platform can facilitate real life vehicle training - The modified EV Training platform from a real electric vehicle to illustrate the training topics related to power system, transmission system, braking system, electrical system, battery management system and charging - BYD Exclusive 5-pieces training bench platform (online live/ pre-recorded)  <b>Speaker: Mr. Ray Yeong Keng Soon, Lofty Greentech Sdn Bhd</b>
11:00 – 11:30	<b>New Energy Vehicles Diagnostic and Maintenance</b> - Current status of Workshop with Electric Vehicles repair and maintenance - Transform aftermarket workshop to EV compatible workshop - EV repair and maintenance operation procedure: Is every part high voltage? - 3 main components, battery pack, inverter and electric motor  <b>Trainer: Mr. Alfred Wong, Product Marketing Manager, Launch Malaysia</b>
11:30 – 11:45	<b>Coffee and tea break</b>
11:45 – 12:45	<b>Hands-on demonstration: New Energy Vehicle Maintenance &amp; Detection with EV diagnosis add-on kit and scan tool</b>  <b>Trainer: Mr. Alfred Wong, Product Marketing Manager, Launch Malaysia</b>
12:45 – 13:00	<b>Question and Answer session</b>
13:00 – 14:00	<b>Lunch break</b>
14:15 – 15:45	<b>Body and Paint: Greener, Smarter and Safer Painting Practices</b>  <b>Demonstration session:</b> Dry and Wet sanding <b>Trainer: 3M</b>  <b>Safety with Proper PPE</b> <b>Trainer: ISQ Holdings Sdn Bhd (3M)</b>
15:45 – 16:00	<b>Coffee and tea break</b>
16:00 – 17:00	<b>Green solution: Dent repair</b>
17:00 – 17:15	<b>Question and Answer session</b>

## **Registration (non-HRDCorp Claimable Course)**

For the HRDCorp Claimable programme, participants are eligible to attend a two-day training course. Registration must be made through the Automechanika Kuala Lumpur online platform before the July 21st, 2024 closing date.

**Link:** <https://form.evenesis.com/automechanikakualalumpur2024/ticketpurchase>

ESnet Academy will be managing the entire HRDCorp grant and claim application process. ESnet Academy will provide you with the necessary documentation for the HRDCorp grant application.

The applicant must settle either RM360 or RM560 upfront through the Automechanika Kuala Lumpur online platform to initiate the HRDCorp grant application process. Please ensure that your company is a registered HRDC employer and provide the name of the Person-In-Charge (PIC) at your company who is responsible for the HRDC grant application.

After the training is completed and HRDCorp has reimbursed the payment, Automechanika Kuala Lumpur will refund either RM300 or RM500 to your company online. The remaining RM60 is a non-refundable administrative charge.

- Fee \***
- RM 300 / day tax included
  - RM 500 / 2 days tax included°
  - Coffee & tea, lunch is included

\*- Registration fee is required and subject to 8% SST

°- The HRDCorp claimable programme is only applicable for the 2 days programme. An additional 4% administration fee is chargeable for HRDCorp claims.

\*- Group ticket offer is available for a single purchase of two tickets or more

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<b>Registration Form</b>	
<b>Fees &amp; quantity</b>	<b>Day 1 course, RM300/pax, _____ ticket(s)</b> <b>Day 2 course, RM300/pax, _____ ticket(s)</b> <b>Two day course, RM500/pax, _____ ticket(s)</b>
<b>Candidate Name</b>	
<b>Candidate Nric number</b>	
<b>Candidate contact number</b>	
<b>Candidate Email</b>	
<b>Company Name</b>	
<b>Company address</b>	
<b>Company Email</b>	
<b>Company's Bank Account No. (for refund)</b>	
<b>Person who is-charge of HRDCorp Application</b>	
<b>Contact number</b>	