

M R C T E C H N I C A L
eBulletin

RAISING STANDARDS FOR THE AUTOMOTIVE INDUSTRY



**FACTS AND
FIGURES 2025**

**VOLVO EX30
GLOBAL RECALL**

**MRC MALAYSIA
IN BRIEF 2025**

Thank you for reading this MRC Technical eBulletin issue #01/2026/012. If you have any questions regarding the content, or suggestion for improvement, please contact MRC Malaysia via



Steve Miller
Chief Executive Officer, MRC Malaysia

Introduction

Hello,

This MRC Technical eBulletin serves as a platform to share relevant technical updates, industry insights, and practical guidance for the automotive insurance sector in Malaysia. It aims to keep industry stakeholders informed of key developments and technical matters that support day-to-day operations.

In this edition, readers will find a Database at a Glance, MVI updates, recalls, as well as a summary of MRC Malaysia's activities and key achievements throughout 2025, providing an overview of recent developments and milestones.

MRC believes that continuous knowledge-sharing is essential to support the industry's progress, particularly as vehicle technologies and regulatory requirements continue to evolve. Through this bulletin, MRC hopes to contribute to a more efficient, sustainable, and competitive automotive insurance industry in Malaysia.

We would also like to take this opportunity to wish all who celebrate a Happy Chinese New Year. May the Year of the Horse bring prosperity, good health, and continued success.

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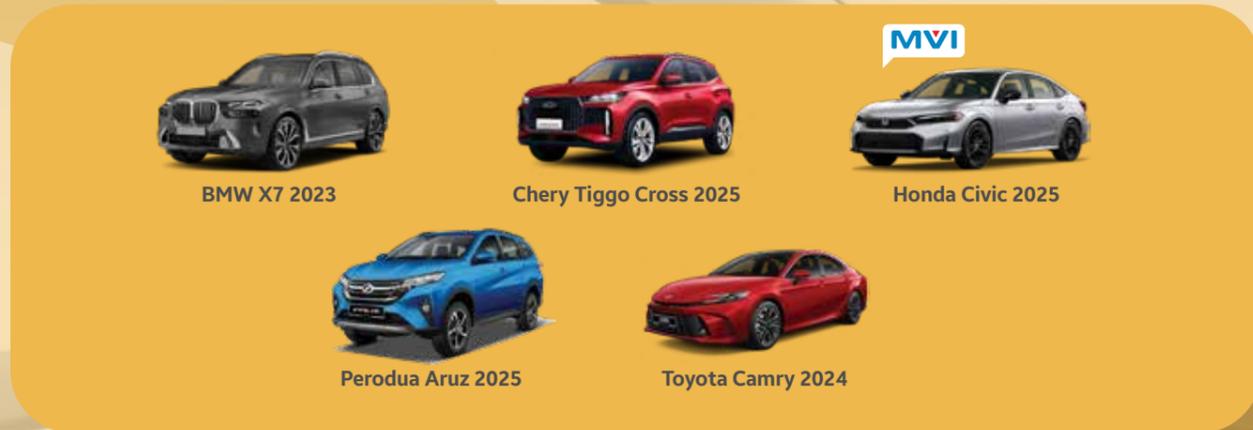
Volvo EX30 Global Recall Issued Over Potential Battery Fire Risk and The Road Transport Department list of recent product recalls.



Database Release at a Glance

SEPTEMBER 2025

New Vehicle Released



5

MODELS

12

DERIVATIVES

8,879

TOTAL LINE ITEM ATTACHED

Manufacturer's Price Updates



10

TOTAL VEHICLE MANUFACTURERS

2,814

TOTAL PARTS PRICE CHANGES

1,269

TOTAL NEW PARTS

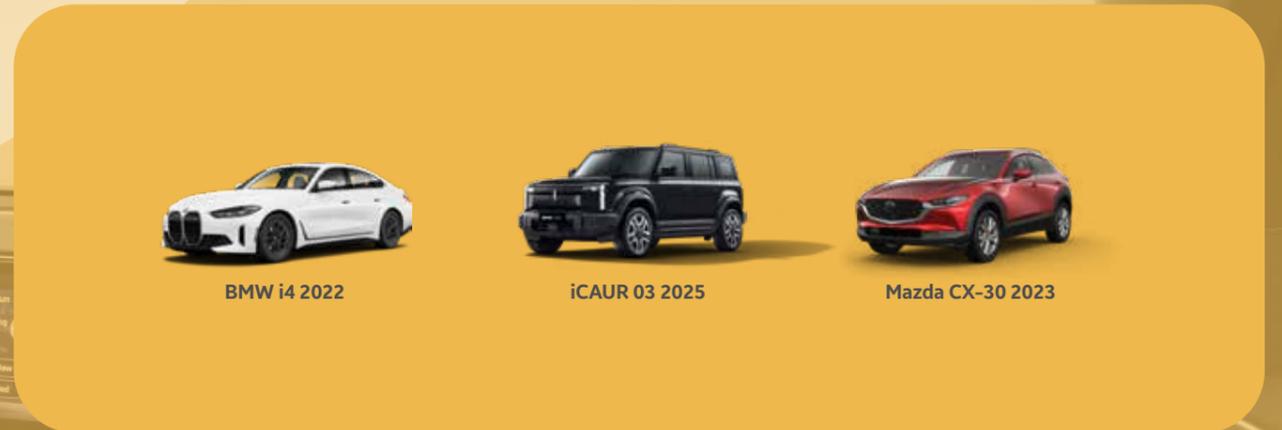
12,342

TOTAL SUPERSESSION

Database Release at a Glance

OCTOBER 2025

New Vehicle Released



3

MODELS

10

DERIVATIVES

6,357

TOTAL LINE ITEM ATTACHED

Manufacturer's Price Updates



13

TOTAL VEHICLE MANUFACTURERS

4,362

TOTAL PARTS PRICE CHANGES

4,504

TOTAL NEW PARTS

12,344

TOTAL SUPERSESSION

Database Release at a Glance

NOVEMBER 2025

New Vehicle Released



BYD Atto 3 2025



Lexus RC 2014



Toyota Corolla Cross 2022-2024



Toyota Corolla Cross 2024



Toyota GR Yaris 2025



5

MODELS

7

DERIVATIVES

4,609

TOTAL LINE ITEM ATTACHED

Manufacturer's Price Updates



14

TOTAL VEHICLE MANUFACTURERS

1,142

TOTAL PARTS PRICE CHANGES

5,873

TOTAL NEW PARTS

16,495

TOTAL SUPERSESSION

Database Release at a Glance

DECEMBER 2025

New Vehicle Released



Perodua Traz 2025



Proton eMAS 5 2025



Proton Saga 2025



3

MODELS

7

DERIVATIVES

3,699

TOTAL LINE ITEM ATTACHED

Manufacturer's Price Updates



17

TOTAL VEHICLE MANUFACTURERS

105,819

TOTAL PARTS PRICE CHANGES

347,026

TOTAL NEW PARTS

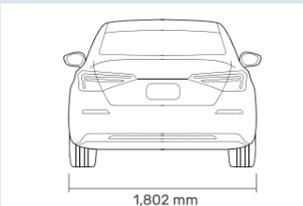
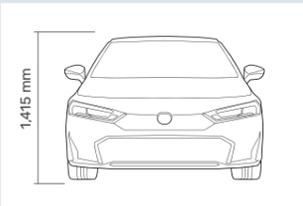
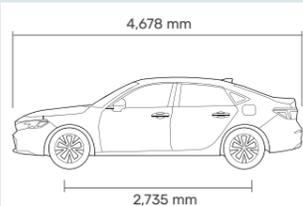
4,935

TOTAL SUPERSESSION

VEHICLE

Manufacturer : Honda
 Model : Civic
 Year : 2025 On
 MVI Code : HD213, HD214,
 HD215 & HD216
 MRC Times : TC027
 Version : MVI261201_R1

DIMENSION



VEHICLE SPECIFICATIONS

| Variant | 1.5 E | 1.5 V | 1.5 RS | 2.0 e:HEV RS |
|-------------------|--------------------------------------|------------|--------------------|------------------------|
| Price | RM 133,900 | RM 144,900 | RM 149,900 | RM 167,900 |
| Engine | 16-valve DOHC, Turbocharged with VVT | | | 16V DOHC DVVT |
| Capacity | 1,498 cc | | 1,993 cc + 1.1 kWh | |
| Power | 180 hp | | 141 hp/181 hp | |
| Torque | 240 Nm | | 189 Nm/315 Nm | |
| Transmission Type | CVT Automatic | | | Single Ratio Automatic |
| MVI Code | HD213 | HD214 | HD215 | HD216 |
| TTS Code | TC027 | | | |

VEHICLE FEATURES

| | | | | |
|--|---|--|---|---|
| AEB AUTONOMOUS EMERGENCY BRAKING ALL VARIANTS | VSC VEHICLE STABILITY CONTROL ALL VARIANTS | LKA LANE-KEEPING ASSIST ALL VARIANTS | ACC ADAPTIVE CRUISE CONTROL ALL VARIANTS | FOA FRONT DEPARTURE ALERT ALL VARIANTS |
| SRS AIRBAGS ALL VARIANTS | DAA DRIVER ATTENTION ALERT ALL VARIANTS | HSA HILL-START ASSIST ALL VARIANTS | EBD ELECTRONIC BRAKE FORCE DISTRIBUTION ALL VARIANTS | AHB AUTO HIGH BEAM ALL VARIANTS |
| PADDLE SHIFT 1.5 V & 1.5 RS ONLY | Honda CONNECT ALL VARIANTS | EPB ELECTRONIC PARKING BRAKE ALL VARIANTS | LANEWATCH CAMERA 1.5 V, 1.5 RS & 2.0 RS ONLY | REAR SEAT REMINDER SYSTEM ALL VARIANTS |

CRASH SAFETY RATING



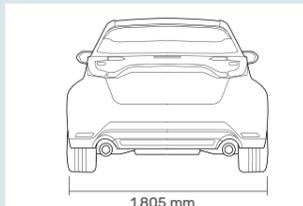
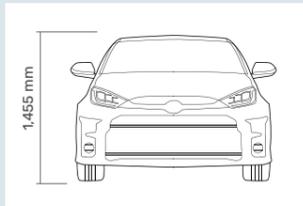
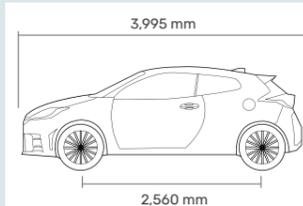
Overall Score
83.47



VEHICLE

Manufacturer : Toyota
 Model : GR Yaris
 Year : 2025
 MVI Code : TY512 & TY513
 MRC Times : TY270
 Version : MVI261201_R1

DIMENSION



VEHICLE SPECIFICATIONS

| Variant | GR Yaris MT | GR Yaris AT |
|-------------------|--|-------------------|
| Price | RM 315,600 | RM 325,600 |
| Engine | 12-valve DOHC, Turbocharged with Direct Injection and Dual Variable Valve Timing | |
| Capacity | 1,618 cc | |
| Power | 296 hp | |
| Torque | 400 Nm | |
| Transmission Type | Manual 6 Speed | Automatic 8 Speed |
| MVI Code | TY512 | TY513 |
| TTS Code | TY270 | |

VEHICLE FEATURES

| | | | | |
|---|---|---|---|--|
| SPORT ACCESSORIES PACKAGE ALL VARIANTS | AWD ALL WHEEL DRIVE ALL VARIANTS | SRS AIRBAGS ALL VARIANTS | BSD BLIND SPOT DETECTION ALL VARIANTS | AEB AUTONOMOUS EMERGENCY BRAKING ALL VARIANTS |
| LDW LANE DEPARTURE WARNING ALL VARIANTS | FCW FORWARD COLLISION WARNING ALL VARIANTS | LED HEADLAMP ALL VARIANTS | FRONT DOOR AUTO PINCH ALL VARIANTS | AHB AUTO HIGH BEAM ALL VARIANTS |
| ACC ADAPTIVE CRUISE CONTROL ALL VARIANTS | HUDs HEAD-UP DISPLAY ALL VARIANTS | VSC VEHICLE STABILITY CONTROL ALL VARIANTS | EPS ELECTRIC POWER STEERING ALL VARIANTS | APPLE CARPLAY ALL VARIANTS |

CRASH SAFETY RATING

ASEAN NCAP
NOT TESTED

OTHER NCAP



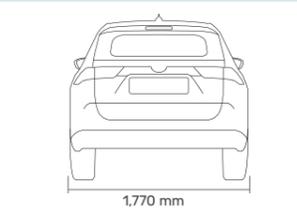
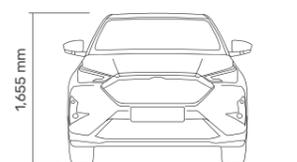
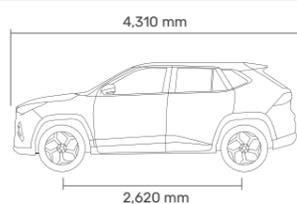
*BASED ON STD YARIS 2020



VEHICLE

Manufacturer : Perodua
 Model : Traz
 Year : 2025
 MVI Code : PE215 & PE216
 MRC Times : TC025
 Version : MVI261201_R1

DIMENSION



VEHICLE SPECIFICATIONS

| Variant | 1.5 X | 1.5 H |
|-------------------|---|-----------|
| Price | RM 76,100 | RM 81,100 |
| Engine | 16-valve DOHC, Naturally Aspirated with Variable Valve Timing | |
| Capacity | 1,496cc | |
| Power | 105 hp | |
| Torque | 138 Nm | |
| Transmission Type | CVT Automatic | |
| MVI Code | PE215 | PE216 |
| TTS Code | TC025 | |

VEHICLE FEATURES

| | | | | |
|---|--|--|---|---|
| SRS AIRBAGS ALL VARIANTS | BSD BLIND SPOT DETECTION ALL VARIANTS | AEB AUTONOMOUS EMERGENCY BRAKING ALL VARIANTS | LKA LANE-KEEPING ASSIST ALL VARIANTS | FCW FORWARD COLLISION WARNING ALL VARIANTS |
| AHB AUTO HIGH BEAM ALL VARIANTS | POWER TAILGATE H VARIANTS ONLY | 360-DEGREE CAMERA H VARIANTS ONLY | HSA HILL-START ASSIST ALL VARIANTS | AUTOMATIC CLIMATE CONTROL H VARIANTS ONLY |
| EPS ELECTRIC POWER STEERING ALL VARIANTS | LED PROJECTOR ALL VARIANTS | ABS ANTI-LOCK BRAKING SYSTEM ALL VARIANTS | VSC VEHICLE STABILITY CONTROL ALL VARIANTS | APPLE CARPLAY ALL VARIANTS |

CRASH SAFETY RATING



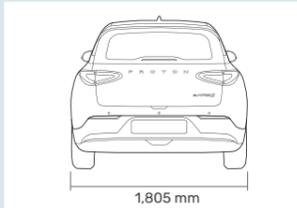
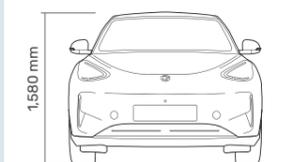
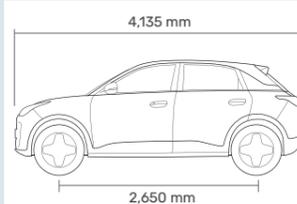
Overall Score
86.86



VEHICLE

Manufacturer : Proton
 Model : e.MAS 5
 Year : 2025 On
 MVI Code : EM003 & EM004
 MRC Times : TC022
 Version : MVI261201_R1

DIMENSION



VEHICLE SPECIFICATIONS

| Variant | Prime | Premium |
|------------------|------------------------|-----------|
| Price | RM 59,800 | RM 72,800 |
| Battery Type | Lithium Iron Phosphate | |
| Battery Capacity | 30.12 kWh | 40.16 kWh |
| Motor Power | 77 hp | 114 hp |
| Motor Torque | 130 Nm | 150 Nm |
| EV Range | 225 km | 325 km |
| MVI Code | EM003 | EM004 |
| TTS Code | TC022 | |

VEHICLE FEATURES

| | | | | |
|--|---|--|---|------------------------------------|
| AEB AUTONOMOUS EMERGENCY BRAKING ALL VARIANTS | VSC VEHICLE STABILITY CONTROL ALL VARIANTS | LDW LANE DEPARTURE WARNING ALL VARIANTS | FCW FORWARD COLLISION WARNING ALL VARIANTS | LED PROJECTOR ALL VARIANTS |
| SRS AIRBAGS ALL VARIANTS | FRONT DOOR AUTO PINCH ALL VARIANTS | 360-DEGREE CAMERA ALL VARIANTS | ACC ADAPTIVE CRUISE CONTROL ALL VARIANTS | AHB AUTO HIGH BEAM ALL VARIANTS |
| POWER TAILGATE ALL VARIANTS | HSA HILL-START ASSIST ALL VARIANTS | NAVIGATION SYSTEM ALL VARIANTS | ISOFIX ALL VARIANTS | APPLE CARPLAY ALL VARIANTS |

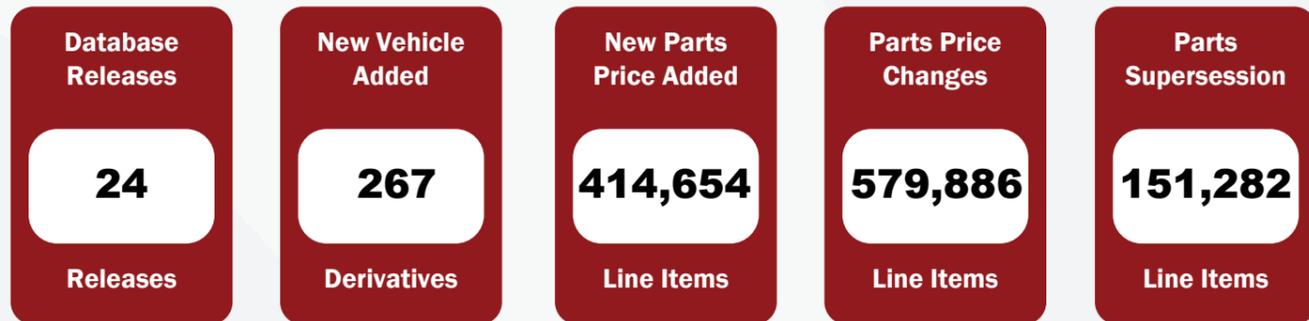
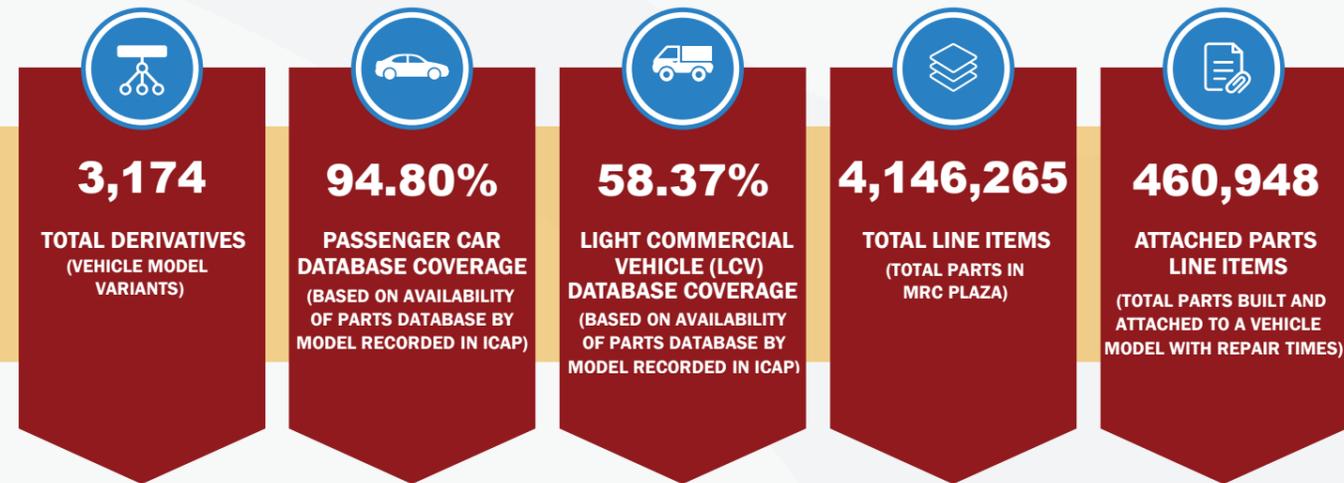
CRASH SAFETY RATING

ASEAN NCAP
NOT TESTED



... Facts and Figures 2025

In 2025, our performance recorded a notable improvement compared with the previous year, indicating positive overall progress within the industry. This positive trend reflects stronger outcomes across key areas. During the year, 4 new vehicle manufacturers were added including XPeng, MG, Proton e.MAS and iCAUR, bringing the total number of vehicle manufacturers in our automotive database to 46. In addition, vehicle specific real times were expanded to 1,375 vehicle derivatives, covering 43.3 % of the overall repair times database. The attached figure provides a general overview of this performance development.



HAIRUL ABDUL MAJID
Chief Automotive Technologies Officer
MRC Malaysia

MRC RESEARCH TEAM
From left :Jamil, Yamani, Rizal, Hisyam, Jamiun, Hakeem, Hamizan, Farashiella, Hazzim, Ummi Hani and Norshamira.



... Recalls

Volvo EX30 Global Recall Issued Over Potential Battery Fire Risk, Malaysia Units Affected.

Volvo has issued a global safety notice involving selected EX30 electric vehicles due to a potential battery fire risk. In Malaysia, Volvo Car Malaysia (VCM) confirmed that certain EX30 Single Motor Extended Range and Twin Motor Performance models sold between 2024 and 2025 are affected. The issue is linked to the 69 kWh NMC battery pack, where defective cells may overheat under high charging conditions.

VCM stated that the occurrence is extremely rare, affecting approximately 0.02% of identified vehicles globally, with no injuries or fatalities reported. As a precaution, affected owners are advised to limit charging to 70% using the vehicle's infotainment system while a formal recall is being arranged.

VCM will notify affected owners directly and confirm that all officially sold EX30 units in Malaysia are covered by an 8-year or 160,000 km battery warranty. Volvo maintains that the risk remains minimal and that owners may continue using their vehicles by following the recommended charging guidelines.



Recalls Highlight

The Road Transport Department (JPJ) has issued another list of product recalls for 5,155 vehicles from two vehicle manufacturers in Malaysia. The recalls have been made to rectify various safety-related defects that could potentially pose a risk to users.

JPJ Director-General, Dato' Aedy Fadly Ramli, said the recall involves 5,123 units of the Kia Rio UB (2010–2017), which are suspected to be at risk of short circuit in the Hydraulic Electronic Control Unit (HECU) that could potentially leading to a fire.

Additionally, 32 Mercedes-Benz vehicles, including the S 580 e, GLC 300 4MATIC, EQS 500, AMG SL 43, EQE 53, and EQS 53 produced between 2023 and 2025 are being recalled due to improperly installed fuse boxes.

The following are the make and model of affected vehicles, as published by JPJ:

| KIA | | | | |
|-----|------------|---------------------|------------------|---|
| No. | Model | Year of Manufacture | Vehicle Quantity | Issue |
| 1. | KIA Rio UB | 2010-2017 | 5,123 | Affected vehicles may experience an electrical short circuit, which could cause a fire on the Hydraulic Electronic Control Unit (HECU) circuit board. |

| MERCEDES | | | | |
|----------|-------------------------|---------------------|------------------|---|
| No. | Model | Year of Manufacture | Vehicle Quantity | Issue |
| 1. | MERCEDES S 580 e | 2023-2025 | 9 | The pre-fuse box might not have been reworked correctly |
| 2. | MERCEDES GLC 300 4MATIC | 2023-2025 | 2 | |
| 3. | MERCEDES EQS 500 | 2023-2025 | 4 | |
| 4. | MERCEDES AMG SL 43 | 2023-2025 | 1 | The pre-fuse box might not have been reworked correctly, if necessary, replace it |
| 5. | MERCEDES S 580 e | 2023-2025 | 1 | |
| 6. | MERCEDES EQE 53 | 2023-2025 | 9 | |
| 7. | MERCEDES EQS 53 | 2023-2025 | 6 | |

MRC Malaysia In Brief 2025

ADAS AWARENESS & CALIBRATION

Raising awareness on ADAS technologies and the importance of proper calibration as part of the repair process. This ongoing program was conducted throughout the year. This program was also attended by students from IKM Lumut and IKM Besut.



MRC ANNUAL INSURANCE INDUSTRY AWARDS 2024

April 2025

Honouring the dedication and achievements of our 2024 award recipients. The event, held at Impiana KLCC Hotel, was attended by insurers, loss adjusters, takaful operators, software houses, and other key industry players.



YDSM GRADUATION

February 2025

Celebrating the graduation of dedicated students under the Yayasan Diraja Sultan Mizan who are also under MRC Training and Job Placement Program.



LOCALLY RESEARCH VEHICLE SPECIFIC REAL TIMES PROJECT

This project is to enhance accuracy by aligning actual measurements, parts, components, and methods. This ongoing program was conducted throughout the year, including research on:

- Proton S70 (April 2025)
- Smart #1 (June 2025)
- Smart #3 (July 2025)
- Chery Tiggo Cross (Nov 2025)



LAUNCH OF GENESIS PRE ACCIDENT VALUE REPORT

April 2025

Held at Impiana KLCC Hotel, this initiative by MRC Malaysia in collaboration with AutoGrab aims to provide a reliable valuation of a vehicle's fair market value prior to an accident.



ESTIMATING & REPAIR METHODOLOGY

Providing motor insurance personnel with the knowledge and skills to enhance performance and efficiency in meeting the demands of the industry. This ongoing program was conducted throughout the year and also attended by various claim personnel including from loss adjuster firms.



AUTOMOTIVE B&P OPERATION & MANAGEMENT | PROTON | EAST COAST

May 2025

MRC Malaysia participated in the session, highlighting operational issues and coordination with external parties such as insurance adjusters, JPJ and PUSPAKOM.



IFTAR RAMADHAN

March 2025

Organised by the esteemed MRC Sports Club at Hotel Concorde Shah Alam for all MRC Malaysia's staff.



VEHICLE MANUFACTURER VISIT

This ongoing program was conducted throughout the year, featuring visits by the CEO of Bateriku.com, representatives from the EON Group, and visits to Yamaha Motor, Maserati Malaysia, Hyundai Malaysia, Bermaz Auto, Daihatsu Malaysia, Stellantis Malaysia, Subaru, ProNet, Proton, Perodua, BMW Malaysia, Jetour Automobile, UD Trucks and Sime Beyond Auto.



EV/HYBRID TRAINING PROGRAM

This ongoing program was conducted throughout the year, offering various levels of training in collaboration with Esnet Academy, Perbadanan Usahawan Nasional Berhad, and EMPTA.



MRC Malaysia In Brief 2025

IBIS GLOBAL SUMMIT 2025

June 2025

MRC Malaysia proudly participated in the IBIS Global Summit 2025, held at the iconic Swissôtel The Bosphorus in Istanbul, Türkiye, with the theme: "Shaping the Future: Leadership Through Collaboration."



VEHICLE FORENSICS LABORATORY

September 2025

MRC Research Team attended the launch of Malaysia's first Vehicle Forensics Laboratory at Cyberjaya, managed by Cyber Security Malaysia. The ceremony was officiated by the Minister of Digital, YB Tuan Gobind Singh Deo.



ASEAN NCAP VEHICLE SAFETY COURSE

July 2025

MRC and UTeM researchers collaborated in the ANCHOR 5 project and presented the progress update at the ASEAN NCAP Vehicle Safety Course, hosted by Ho Chi Minh City University of Technology in Vietnam.



RCAR ANNUAL CONFERENCE

September 2025

MRC Malaysia attended the RCAR Annual Conference 2025 held in Milan, Italy. MRC Malaysia has also presented two research papers on vehicle valuation and effect of ADAS technology to insurance. In addition, Steve Miller, CEO of MRC Malaysia, has been elected as a member of the RCAR Steering Committee.



THE EV REVOLUTION

October 2025

MRC Malaysia participated in the Panel Discussion on Electric Vehicles hosted by Insurance Services Malaysia (ISM) at Azman Hashim Auditorium, Kuala Lumpur. This insightful event focused on how the rise of EVs is reshaping the insurance and takaful industry.



MRC INTERNATIONAL TRAINING ON ELECTRIC VEHICLES

August 2025

Organised by MRC Malaysia, an EV technologies training program was held in Chongqing, China, enhancing participants' technical knowledge and hands-on skills in EV technologies.



ASM-CAS-IAAU ACTUARIAL CONFERENCE

November 2025

MRC Malaysia participated in this conference, where the focus shifted to the actuarial and underwriting implications of EV adoption. The dialogue offered deep insights into how actuarial practices must evolve to accommodate the complexities of EV risk assessment and pricing.



ANCHOR 5 COLLABORATION WITH ALLIANZ

August 2025

MRC and UTeM researchers collaborated with Allianz in their support for a section of the ANCHOR 5 study, which enable verification processes and enhanced the result.



ANCHOR 5 COLLABORATION WITH ETIQA

August 2025

MRC and UTeM researchers collaborated with Etiqa in their support for a section of the ANCHOR 5 study, which enable verification processes and enhanced the result.



STAFF YEAR END GIFT EXCHANGE

December 2025

In conjunction with the year end festive celebration, MRC Malaysia organised a staff luncheon and gift exchange event at Sunway Resort Hotel.

