ASEAN NCAP 2021

Prof (Adjunct) Ir. Ts. Dr.

KAHIRIL ANWAR
THANK YOU TO ASEAN NCAP TEAM

A JOURNEY IN THE PURSUIT OF EXCELLENCE

GRAND PRIX
AWARDS 2020
ASEAN NCAP
AGENDA

16th FEBRUARY 2021

- MALAYSIA ROAD FATALITIES RESULT 2021
- OPPORTUNITY FOR COLLABORATION 2021
- DEVELOPMENT OF NEW TEST TRACK @ SEPANG SELANGOR
- ASEAN NCAP PLAN 2021
  - 10th YEARS ANNIVERSARY
## COMPARISON OF INJURY CATEGORIES FOR 2019 AND 2020

<table>
<thead>
<tr>
<th>Category</th>
<th>2019</th>
<th>2020</th>
<th>Diff</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal</td>
<td>6,167</td>
<td>4,634</td>
<td>-1,533</td>
<td>-24.9%</td>
</tr>
<tr>
<td>Severe Injury</td>
<td>3,022</td>
<td>2,840</td>
<td>-182</td>
<td>-6.0%</td>
</tr>
<tr>
<td>Light Injury</td>
<td>5,855</td>
<td>9,762</td>
<td>3,907</td>
<td>66.7%</td>
</tr>
<tr>
<td>Total</td>
<td>15,044</td>
<td>17,236</td>
<td>2,192</td>
<td>14.6%</td>
</tr>
</tbody>
</table>

Data from Royal Malaysia Police
## Comparison of Road User Category for Fatal Cases for the Year 2019 and 2020

<table>
<thead>
<tr>
<th>Category</th>
<th>2019</th>
<th>2020</th>
<th>Diff</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorcycle</td>
<td>3,959</td>
<td>3,118</td>
<td>-841</td>
<td>-21.2%</td>
</tr>
<tr>
<td>Car</td>
<td>1,253</td>
<td>888</td>
<td>-365</td>
<td>-29.1%</td>
</tr>
<tr>
<td>Pedestrian</td>
<td>394</td>
<td>266</td>
<td>-128</td>
<td>-32.5%</td>
</tr>
<tr>
<td>Lorry</td>
<td>182</td>
<td>135</td>
<td>-47</td>
<td>-25.8%</td>
</tr>
<tr>
<td>Others</td>
<td>108</td>
<td>56</td>
<td>-52</td>
<td>-48.1%</td>
</tr>
<tr>
<td>Bicycle</td>
<td>107</td>
<td>63</td>
<td>-44</td>
<td>-41.1%</td>
</tr>
<tr>
<td>4WD</td>
<td>82</td>
<td>78</td>
<td>-4</td>
<td>-4.9%</td>
</tr>
<tr>
<td>Van</td>
<td>55</td>
<td>29</td>
<td>-26</td>
<td>-47.3%</td>
</tr>
<tr>
<td>Bus</td>
<td>27</td>
<td>1</td>
<td>-26</td>
<td>-96.3%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>6,167</td>
<td>4,634</td>
<td>-1,533</td>
<td>-24.9%</td>
</tr>
</tbody>
</table>

Data from Royal Malaysia Police
Malaysia Road Deaths 1985 – 2017 & Reduction Target

Year 1995
RSRC, UPM was established

Year 2005
JKR was established

Year 2007
MIROS was established

Forecast Year 2020
10,716 deaths

Death* = μ + Y_{(t-1)} - Ω_{(t-1)}

Reduction 50%*

Target Year 2020
5,358 deaths

4,634 (2020)


**Based on United Nations Sustainable Development Goal of halving road fatalities by 50% in 2020 for all countries.
CONGRATULATION

☐ To ALL Best Safety Performance Winner
  ☐ AOP
  ☐ COP
  ☐ Safety Assist
  ☐ Overall

☐ Excellence Award
  ☐ Continuous Safety Improvement
  ☐ Most Viewed ASEAN NCAP You Tube
  ☐ New Manufacturer Safety Commitment
  ☐ Consistent 5-star
  ☐ The Most 5-star Brand (2019 - 2020)

CONGRATULATION

☐ Excellence Award
  ☐ ASEAN NCAP Vehicle Safety Ambassador
  ☐ Automotive Safety Pioneer
  ☐ Child Occupant Safety Champion
  ☐ Organization
OPPORTUNITY FOR COLLABORATION 2021 WITH MIROS
ENHANCEMENT OF MIROS PC3 PROPULSION SYSTEM

- From 2010, MIROS PC3 has been using 2.5L Engine for its propulsion.

- It’s time to upgrade to more powerful engine, probably 3.5L Engine to pull heavier vehicle (up to 3 tonne) and also able to conduct pole test.

- MIROS would like to call upon any manufacturer to work with MIROS for this new development.

- MIROS plan to complete this development by end of 2021.
WHAT IS MORE ON PC3

- Purchase of new equipment – World SID, Q6 & Q10 dummies – preparation towards new protocol for 2026 onwards.
- New roof from soaking room to the end of the track.
- New Building for Vehicle Setting (Mainly for vehicle under development).
- Others
6th UN Global Road Safety Week

- From 17 – 23 May 2021
- MIROS and ASEAN NCAP will organize minimum one road safety event per day.
- Focus on ASEAN Region, with all MIROS associates in the world.
- Join us, to do more for the world.
- More details on 1st March 2021.
Road Safety is a social issue that demands a solution using social methods i.e. collectively.

The latest road safety philosophy uses a safe system approach, where the responsibility to improve road safety should be borne by all parties.

Therefore MIROS would like to invite all parties to also contribute towards improving the level of road safety in Malaysia through joint research across various areas of expertise through the clusters -

MIROS’S RESEARCH CLUSTER

- MIROS'S RESEARCH CLUSTER
PROMOTING ADVANCED SAFETY TECHNOLOGY TO ASEAN

- OPEN to all car manufacturer wish to promote their advanced safety technology to public.
- MIROS will promote the advanced safety technology available in the vehicle via media release, videos and all type of possible promotion, possibly every month.
- Manufacturer to provide MIROS with the car (on the road) for minimum 1 year period.
- Win – Win collaboration, no charge to car manufacturer.
DEVELOPMENT ON NEW TEST TRACK

- MIROS is building 1 km test track for safety assist technology assessment and development (including ASEAN NCAP).
- Kick Off Target – 1st June 2021
- Ready by 6 months time.
- Location: 3 km from Sepang International Circuit (SIC)
- MIROS will build the test track from self funding, upon receiving financial support from government, the MIROS Headquarter will be established at the same side (with new crash test laboratory)
Achievement to date:
- 108 models crash tested.
- 135 rating were launched.
- Protocol 2021-25 – 1 model tested, soon to be launched.

8th December 2021

Location – 2 options
- New Test Track
- Others (Maybe Sepang International Circuit?)

DEMO – Yes, What Technology – All that Possible

Safety Decade Award
- Safest Brand of the Decade?

Details will be provided on 1st April 2021.
THANK YOU

SAFER CAR FOR ASEAN