

MOBILISING TECHNOLOGY TO ADVANCE ROAD SAFETY

EU-VIETNAM DIALOGUE ON ROAD SAFETY

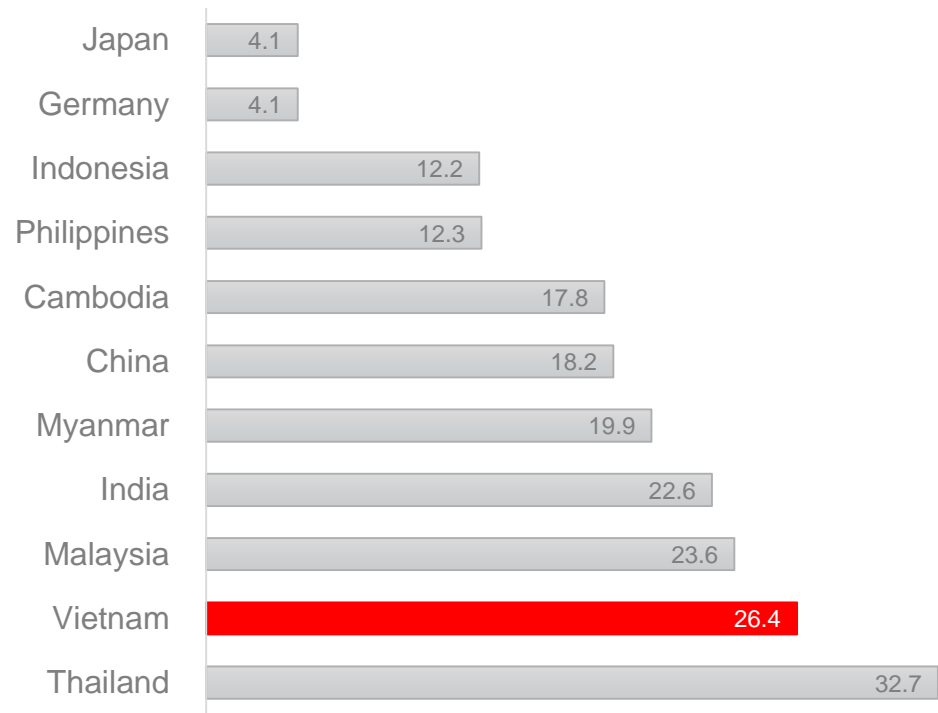
Presenter: Mr. Guru Mallikarjuna – Managing Director of Bosch Vietnam

Date: 08 April 2021

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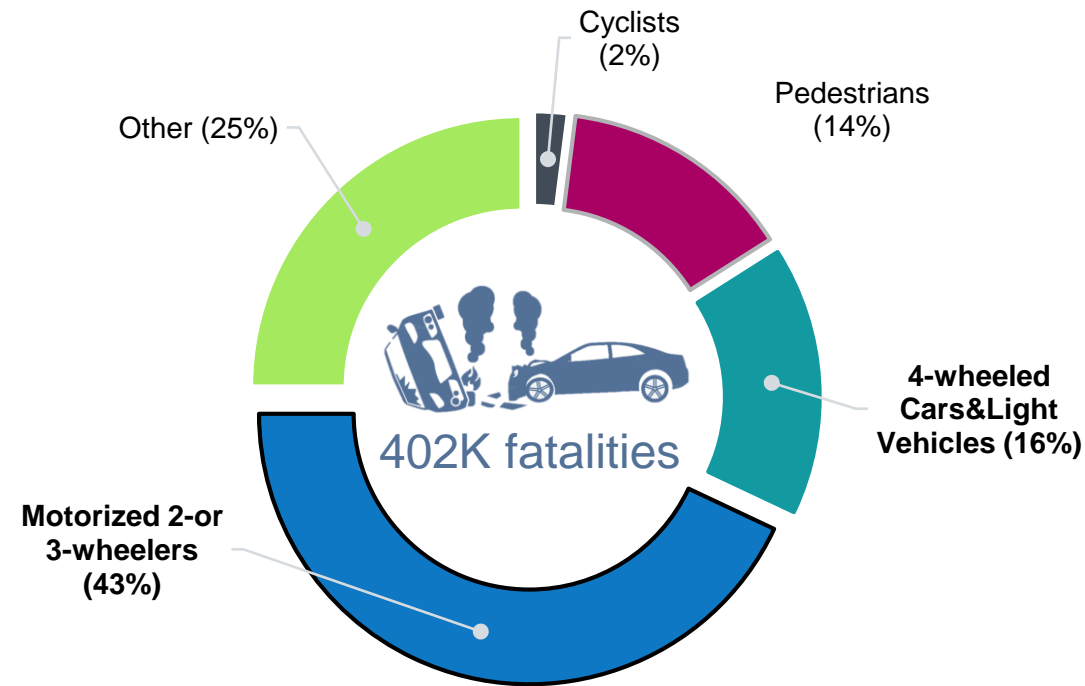
Key Facts on Traffic Fatalities

Road Traffic Deaths per 100,000 population (2016)



Sources: Global Status Report on Road Safety, WHO estimations (2018)

Fatalities by Road User Type (WHO South-East Asia 2016)



Countries included: Bangladesh, Bhutan, India, Indonesia, Maldives, Myanmar, Nepal, Sri Lanka, Thailand, Timor-Leste

Motorcycle riders account disproportionately for deadly accidents

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Traffic Fatalities in Perspective

18 PEOPLE
PER DAY

558 PEOPLE
PER MONTH

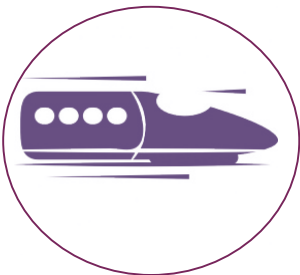
6700 PEOPLE
PER YEAR

EQUIVALENT TO

1
BUS

2
LARGE AIRPLANES





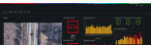
12
HIGH-SPEED TRAINS



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Bosch's commitment to improve Road Safety

Technology Development

- Passive Safety Systems 
- Active Safety Systems 
- Advanced Driver/
Rider Assistance System 
- Fully Autonomous Driving 
- Intelligent transportation systems & management 

Accident Research

- Analysis of accident data to identify traffic safety measures
- Benefit evaluations of current and future vehicle technologies
- *25% off all deadly 2W accidents can be avoided with Motorcycle ABS (M-ABS)*



Advisor & Partner



DECADE OF ACTION FOR
ROAD SAFETY 2011-2020

Supported by **Bosch**

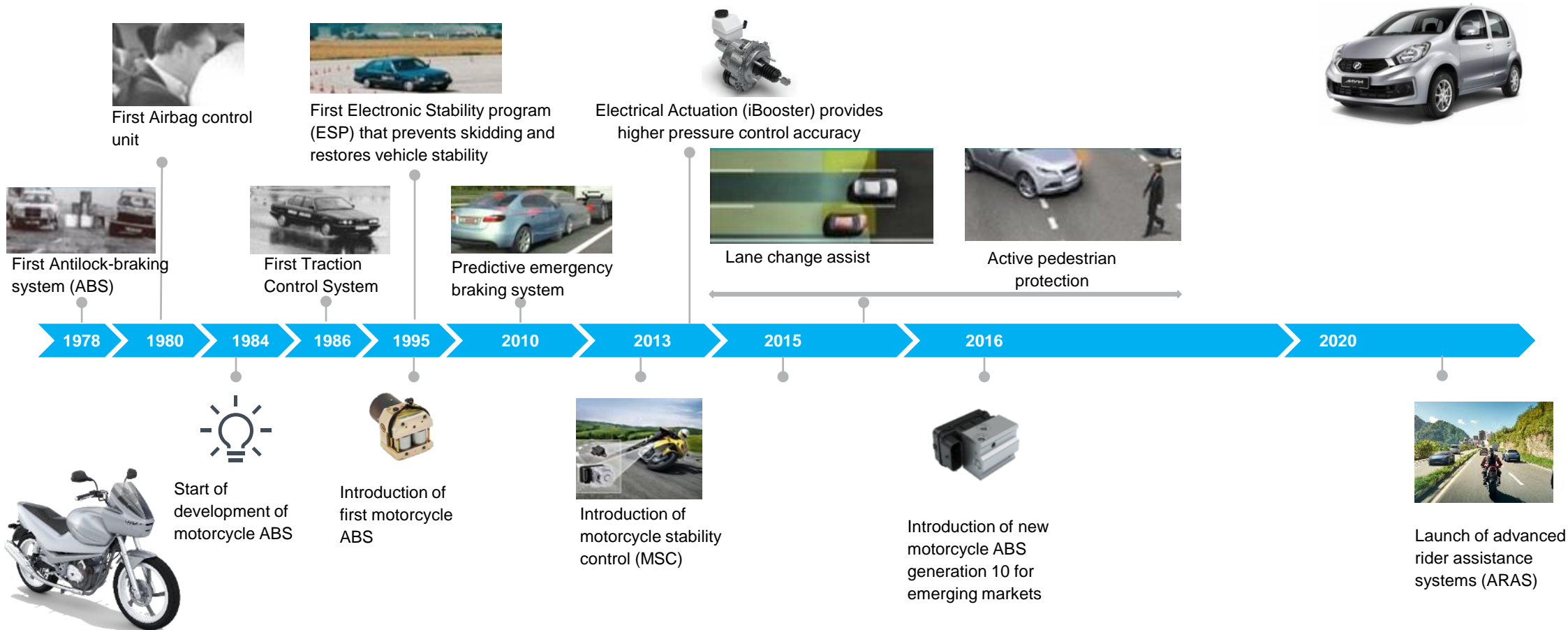


ASEAN
NCAP



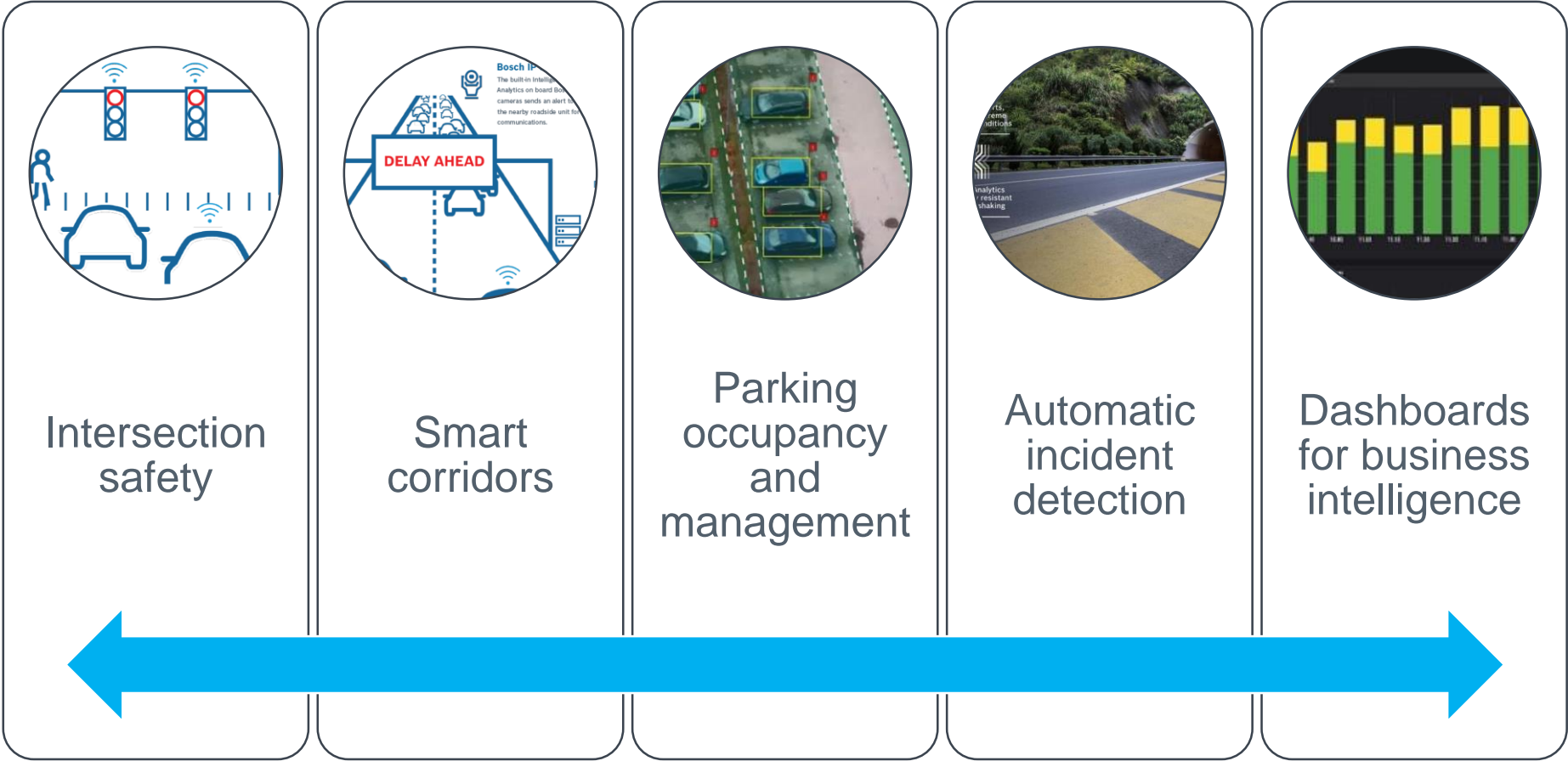
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Decades of experience in vehicle safety technologies



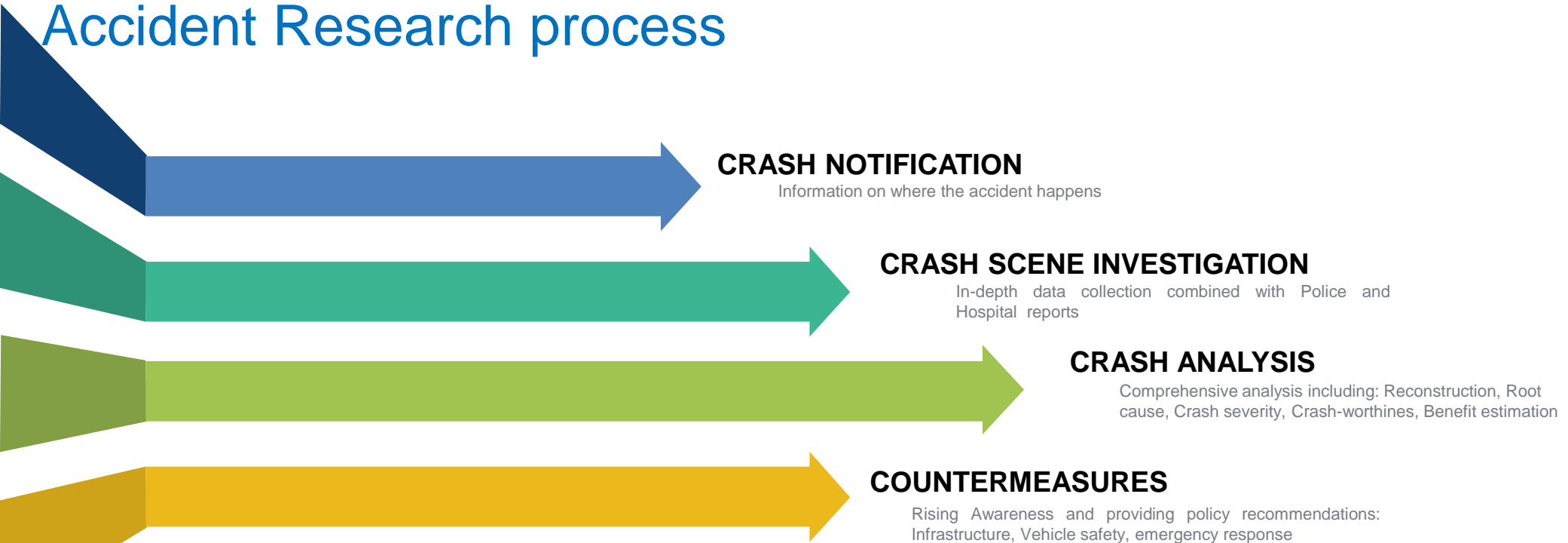
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Intelligent transportation systems



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Accident Research process



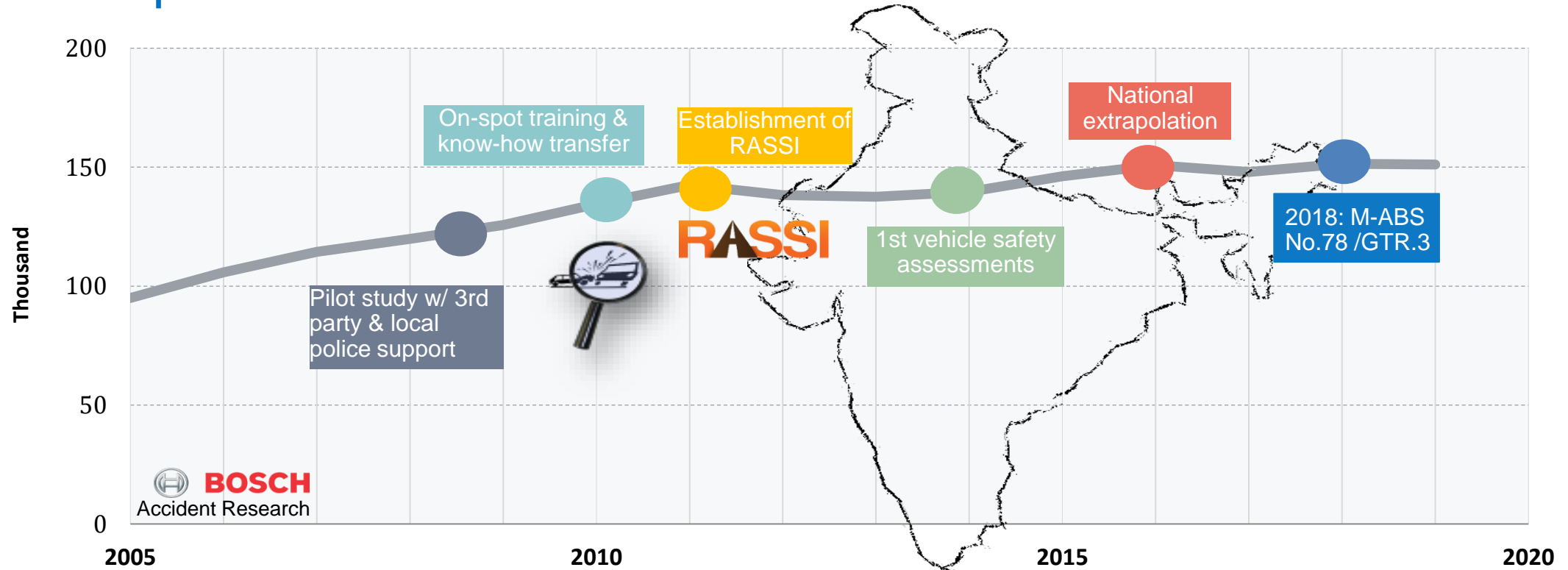
¹⁾ Source: Bosch Accident Research CR/AEV; RBEI/ESA; Forecast estimated based on results from studies and other measures; 100% installation rate

Sufficient level of data is required to draw effective road safety countermeasures



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Good practice in India: Data-driven countermeasures

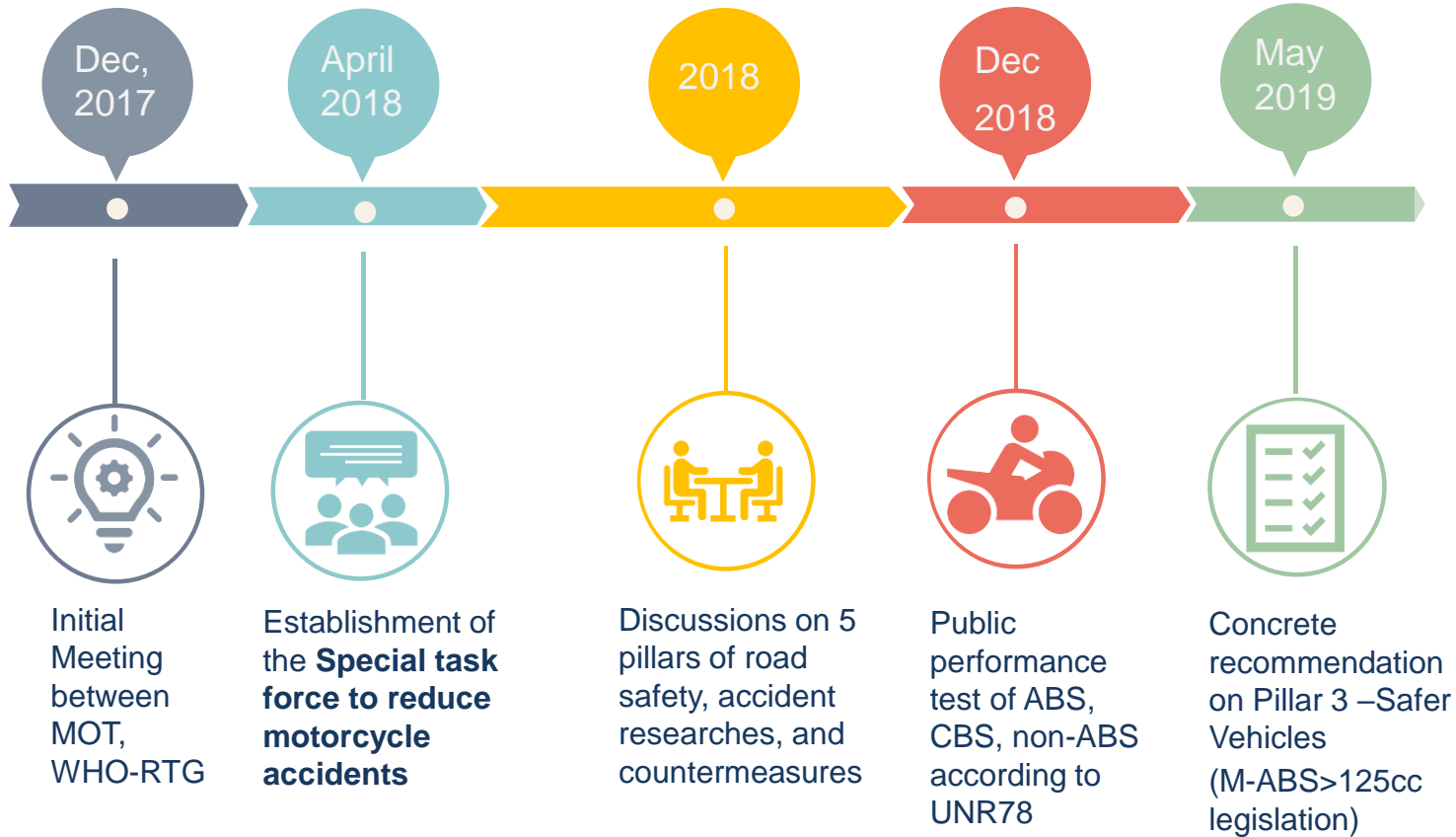


Source: Bosch Accident Research; forecast estimated based on results from studies and other measures; 100% installation rate

It takes time and collective efforts to build good quality Accident database

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Good practice in Thailand: The special Task force to reduce motorcycle accidents



- **MOT led the Special Task Force** with stakeholders from the Gov, Embassy, Universities, NGOs, & Associations
- **5 pillars** of UN Decade of Action for Road Safety were intensively discussed
- The **Task Force** provided concrete countermeasures and policy recommendations, backed by scientific researches and experiments

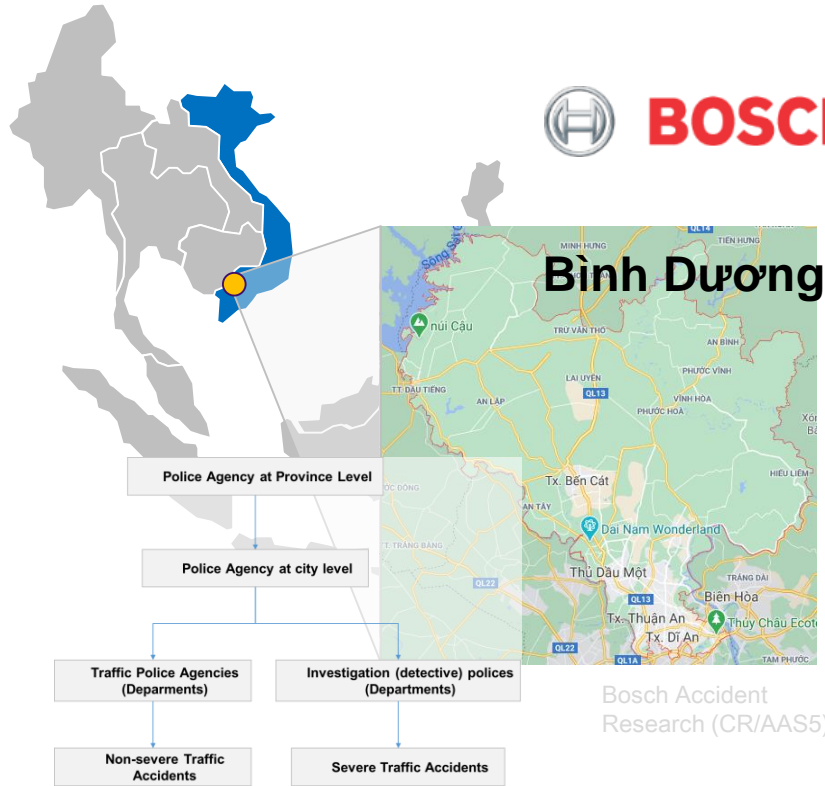
**Working together is
the key**



RTG: Royal Thai Government

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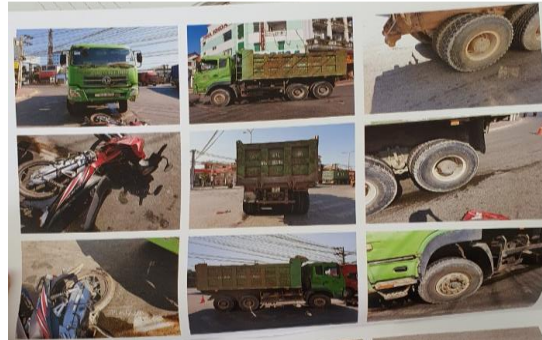
Bosch Accident Research: Project in Vietnam



BOSCH



Vietnamese - German University



- Since Oct. 2020
- Supported by the National Traffic Safety Committee (NTSC) and Binh Duong police
- 6 example cases received
- Baseline coding done
- Good police documentation
- Limited access to on-spot investigation

Bosch Accident
Research (CR/AAS5)

First step to understand Accident report system in Vietnam

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Summary & Recommendations

Road Safety a topic that needs high attention

Evidence based data collection needed
for having scientific-based implementation of road safety measures

Adopt technologies that are proven to save lives

Working together is the key