



Outlook

A Policy Driven ASEAN Automotive Outlook

Titikorn L., ASEAN Manager

Global presence with regional expertise



- Offices
- Affiliates

Our Partnerships



OXFORD
ECONOMICS

Oxford Economics is one of the world's leaders in the field of macro-economic forecasting and provides many of the underlying global macroeconomic forecasts which underpin the LMC Automotive's vehicle forecasts.

J.D. POWER

J.D. Power is a global market information firm, whose independent and unbiased benchmark studies provide LMC with insights of the carmakers, products and consumers



JATO Dynamics provides LMC with the world's most timely, accurate and up-to-date information on vehicle specifications and pricing, sales and registrations, news and incentives

MARKLINES
www.marklines.com

Marklines, the world's leading on-line strategic automotive portal and B2B Gateway, provides strategic market strategy data, proprietary and custom B2B e-marketing solutions, customized market research, and actionable business intelligence with LMC.

CENO AUTO CONSULTING
Ceno

CENO Consulting develops automotive market retail intelligence for the Chinese market. Our alliance provides a comprehensive database of China's regional automobile market.

ACT
Research

ACT Research, the recognized leader in the provision of data and forecasts for the commercial vehicle industry in North America, co-publish with LMC the Global Commercial Vehicle Forecast.

Global Light Vehicle (LV) Sales 2017 & 2025



ASEAN5: High Compound Annual Growth Rate Low Vehicle Density and Large Population	World	2017	2025	CAGR
		95 mn	114 mn	2.3%

North America

2017	2025	CAGR
21 mn	21 mn	0.2%

Europe

2017	2025	CAGR
21 mn	24 mn	2.1%

China

2017	2025	CAGR
29 mn	36 mn	2.7%

India

2017	2025	CAGR
4 mn	7 mn	7.8%

ASEAN5

2017	2025	CAGR
3 mn	4 mn	4.2%

South America

2017	2025	CAGR
4 mn	6 mn	4.3%

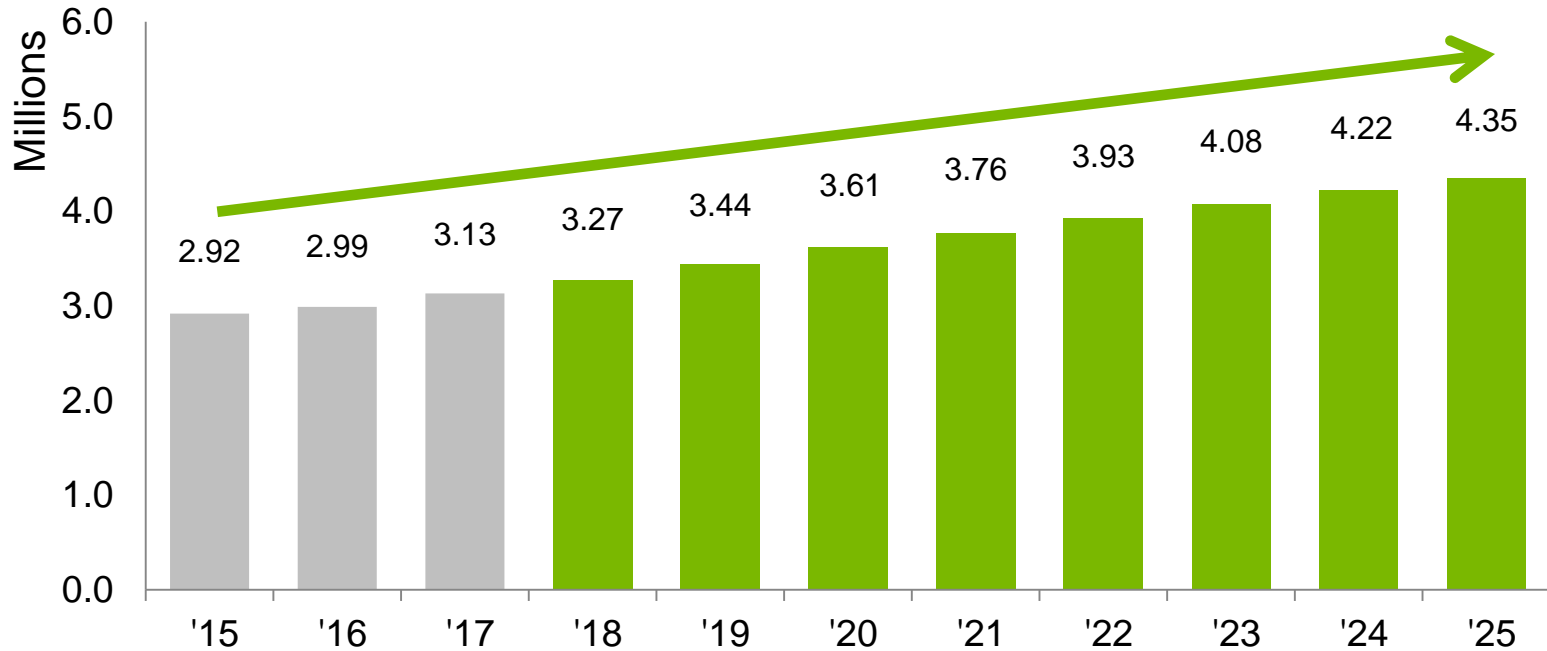
Others

2017	2025
4 mn	8 mn

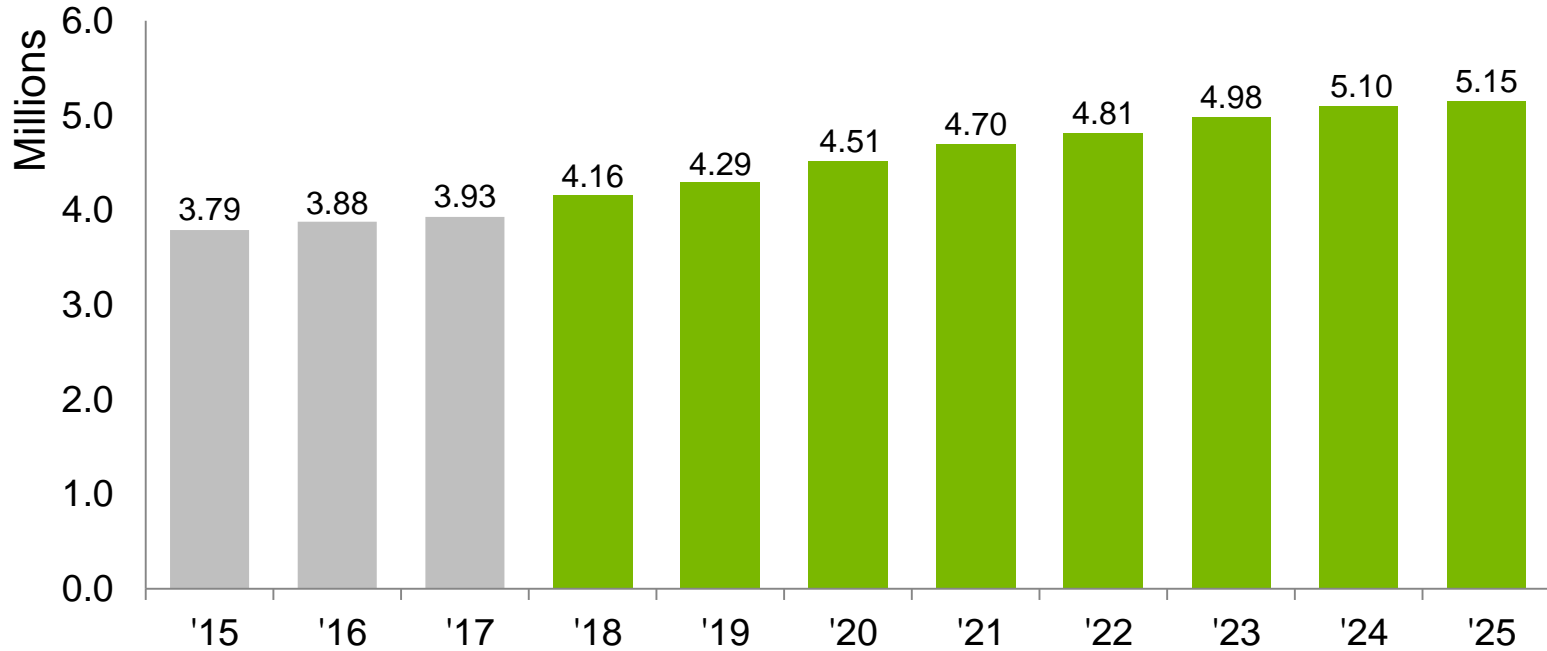
Asia-Pacific

2017	2025	CAGR
45 mn	55 mn	2.7%

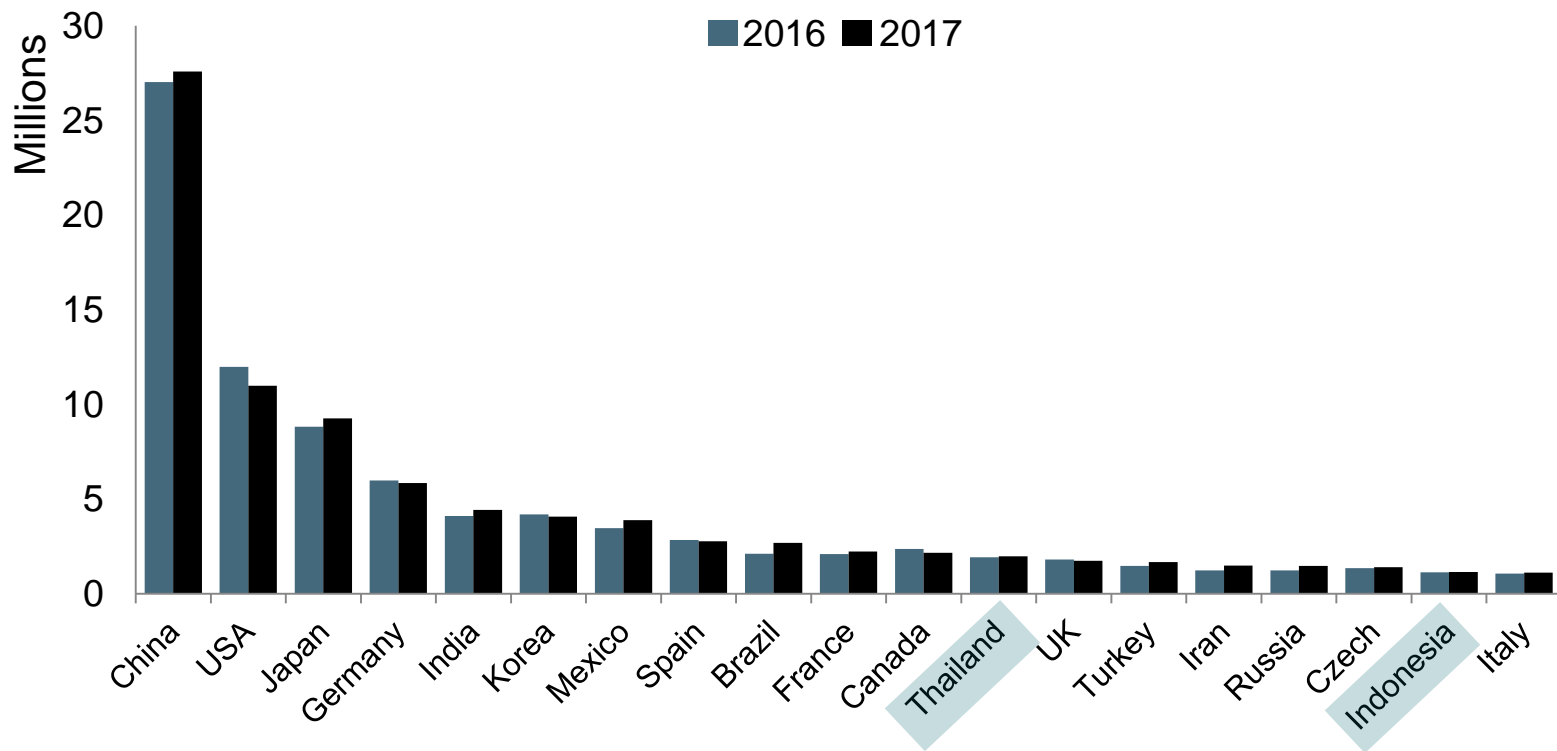
ASEAN Sales: Increasing Trend in LV Demand



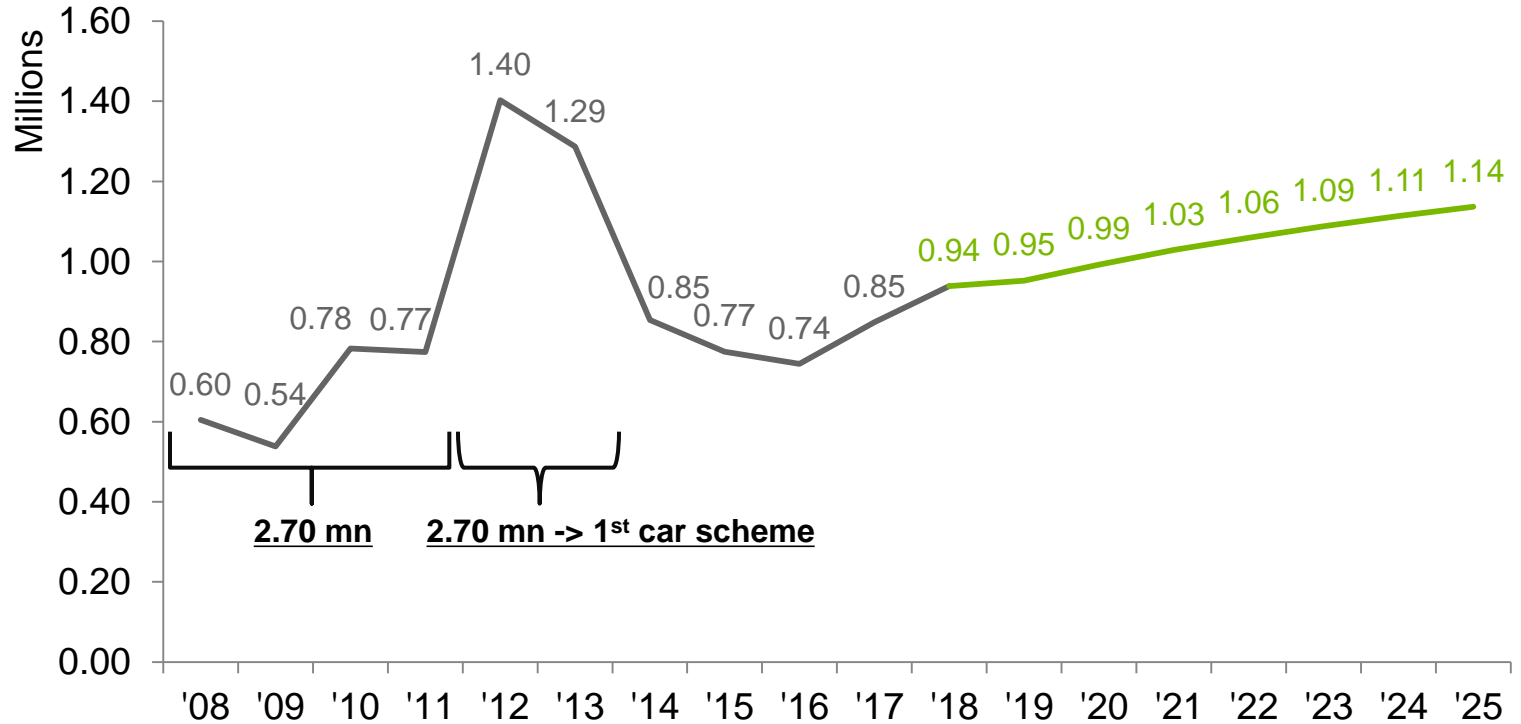
ASEAN Production Surplus Sales



Countries with Output of More Than 1 million units

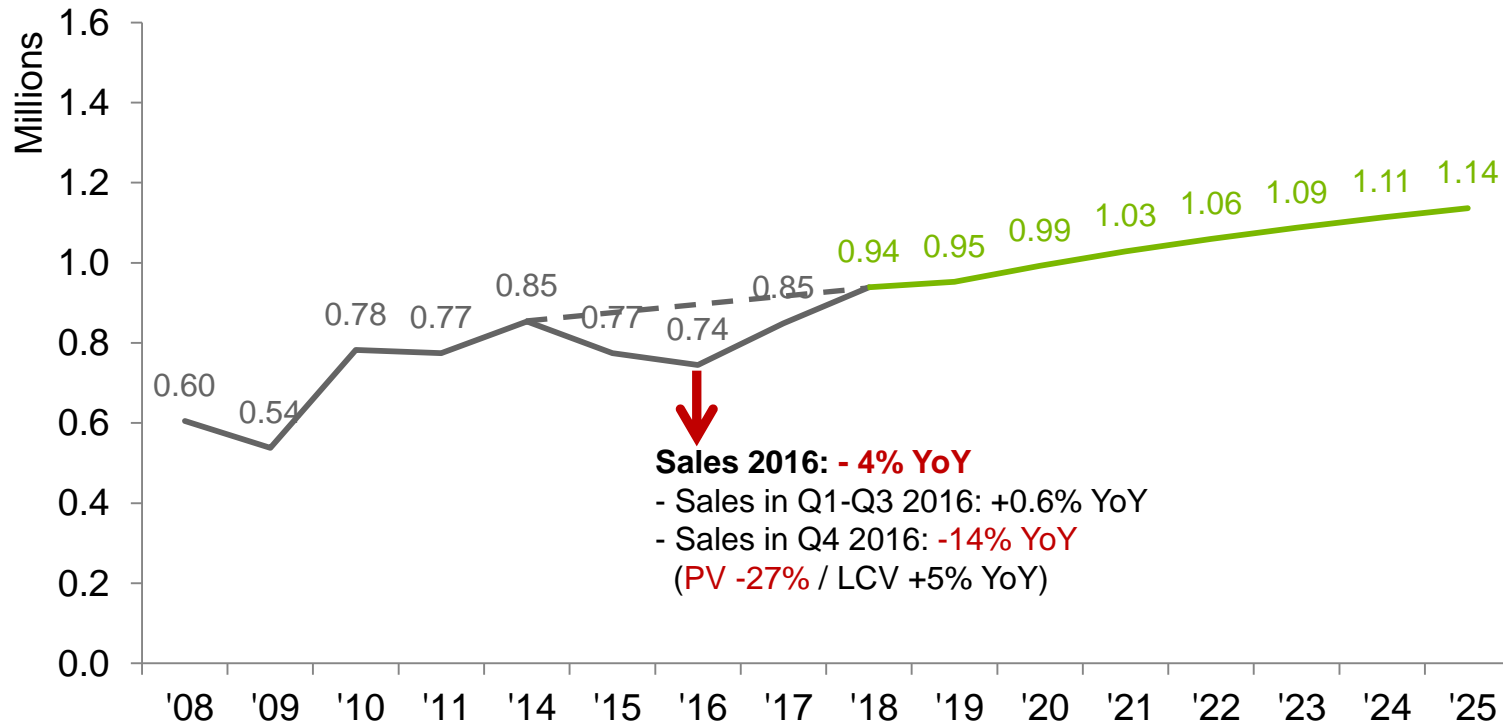


Thai Annual Sales Exceed 1 million units in 2012 -2013

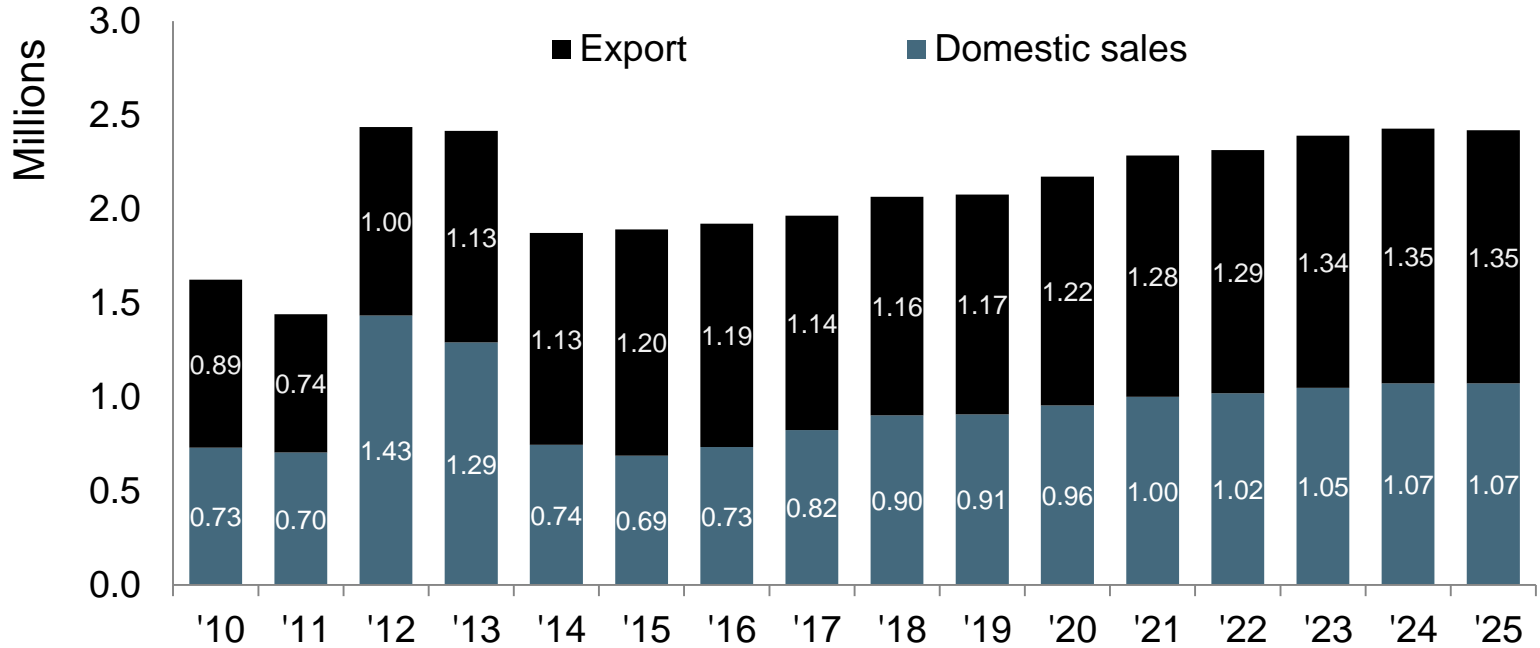


Thai Sales Back On Track

- On a YoY basic, April 18 sales is the 16th consecutive month of growth.



Thailand as an Export Base



Eco Cars – Thailand's second pillar

Minimum production requirement; 100k units per year



Toyota - Yaris / Yaris Ativ



Honda - Brio and Brio Amaze



Mitsubishi Mirage and Attrage



Suzuki - Swift, Celerio and Ciaz

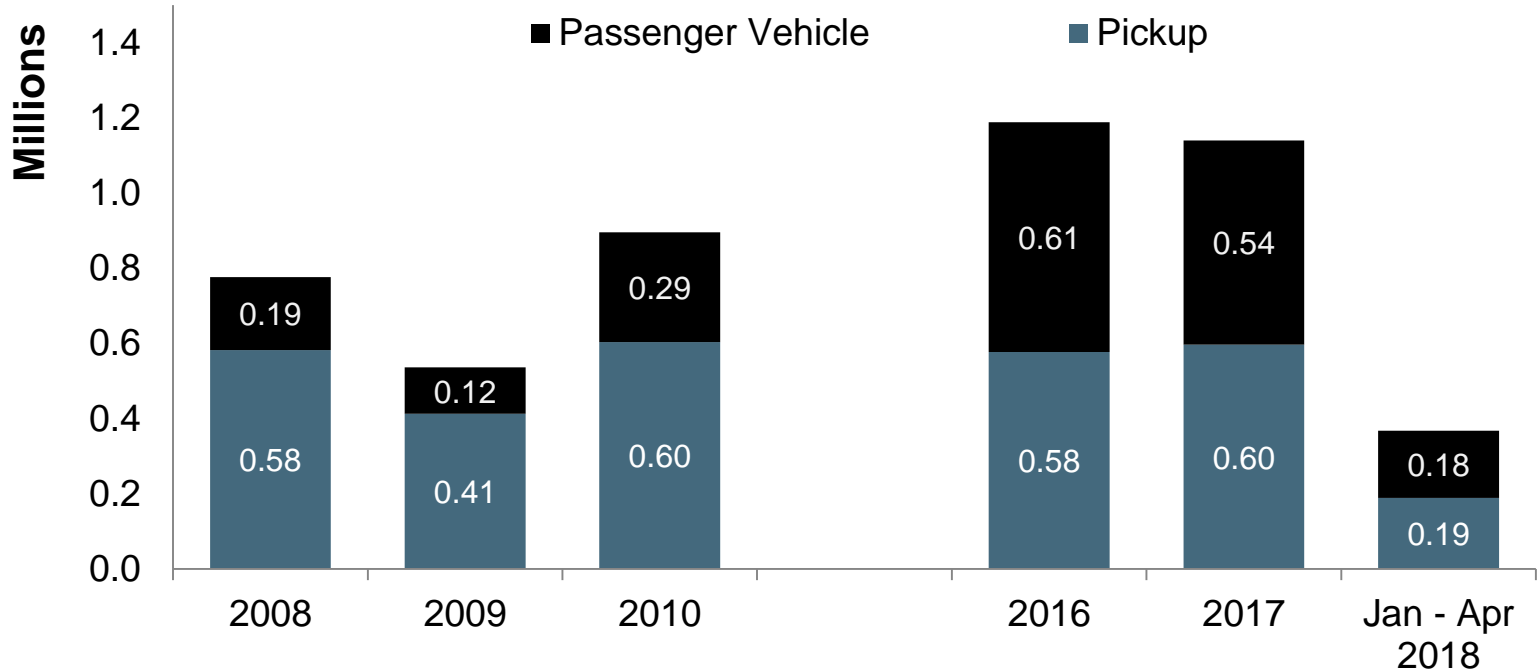


Mazda - Mazda2

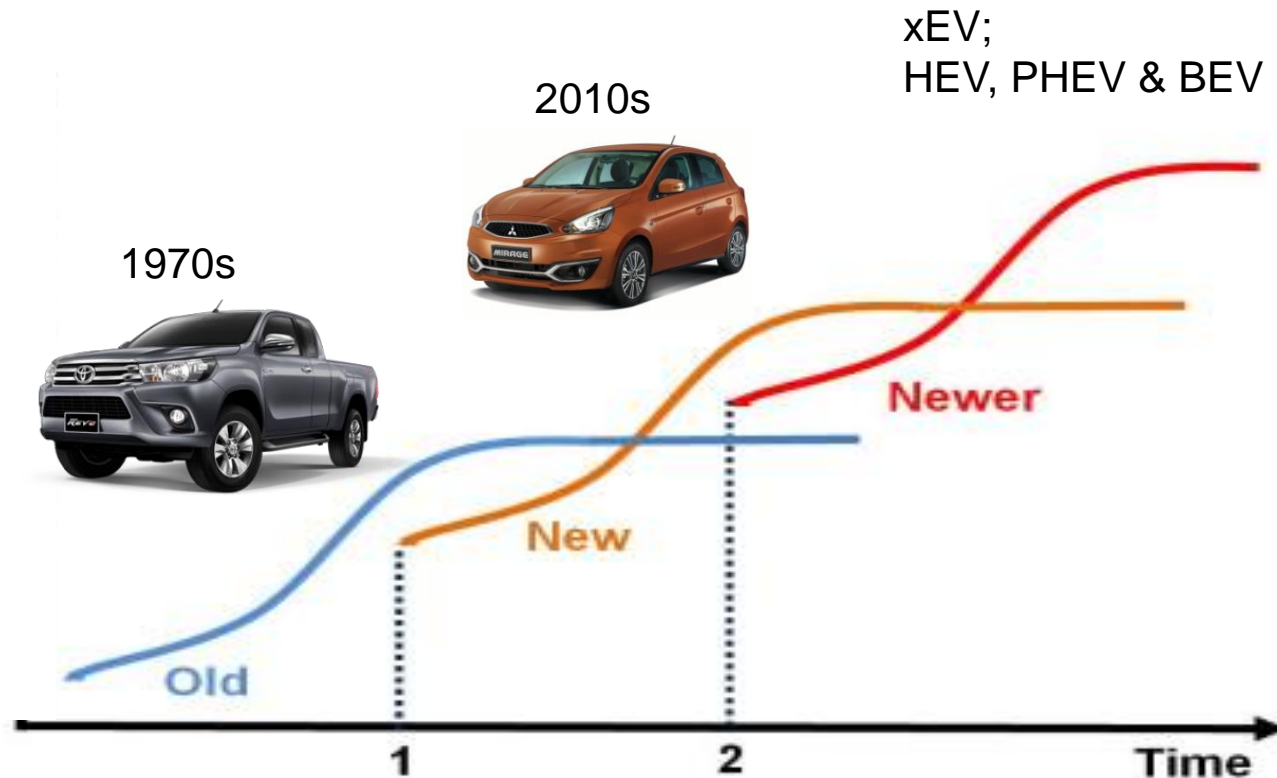


Nissan - March, Almera and Note

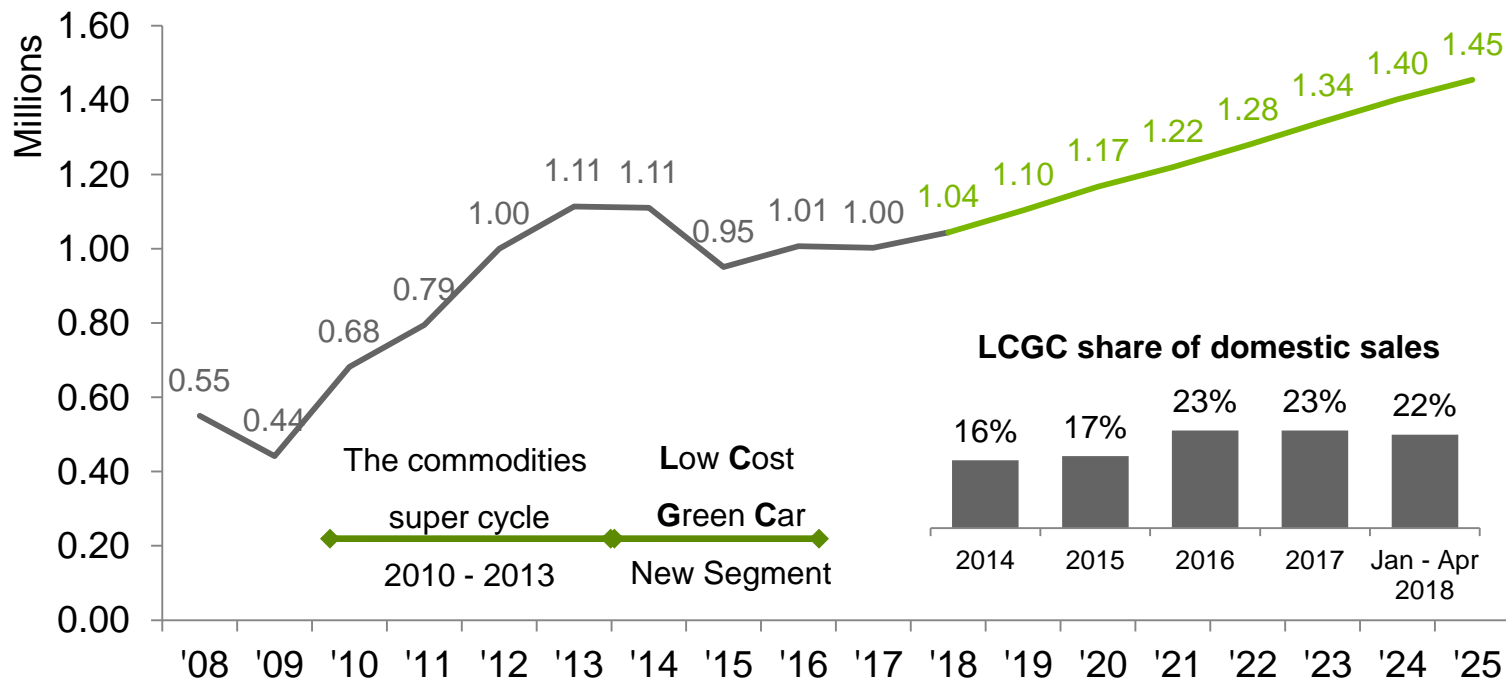
Thailand Export Structure Change



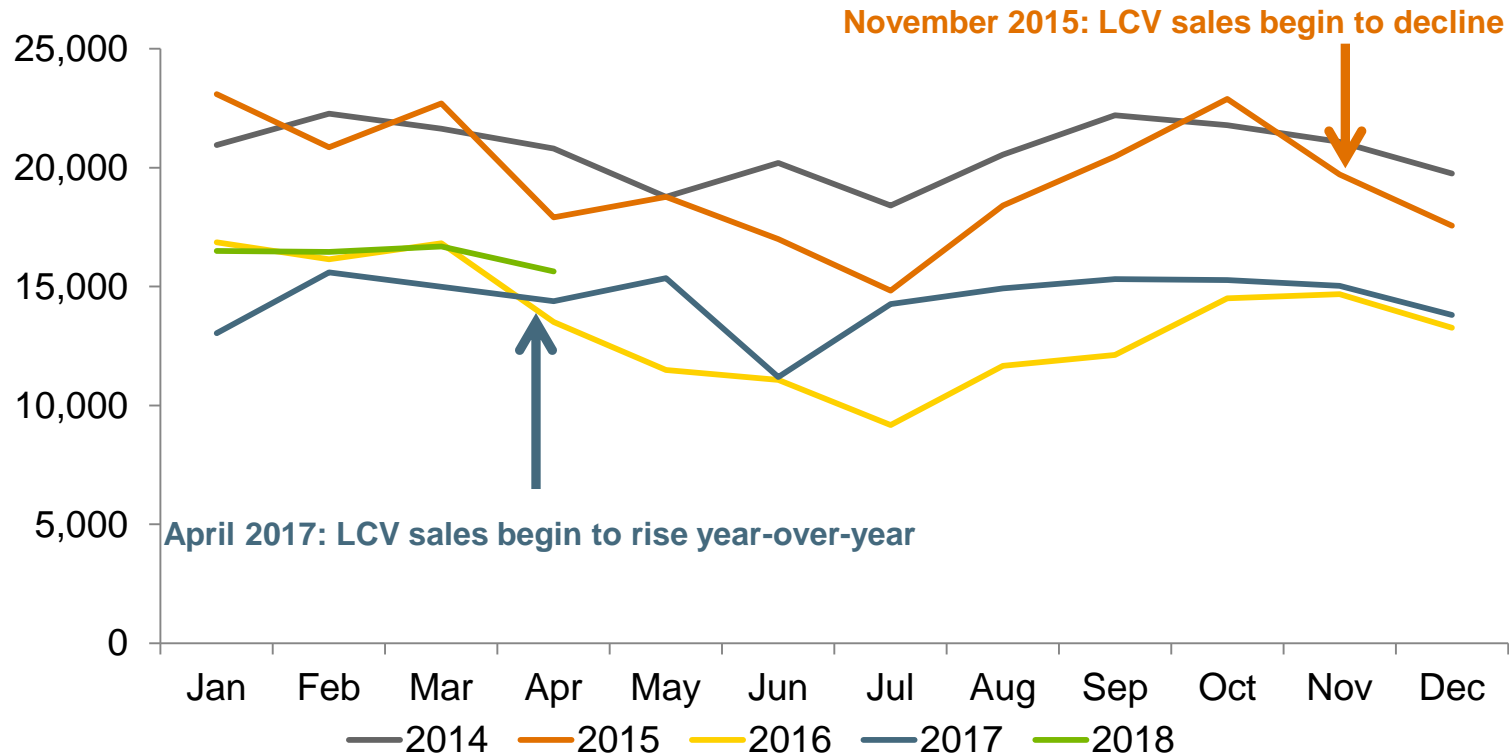
Thailand – maintaining the S Curve



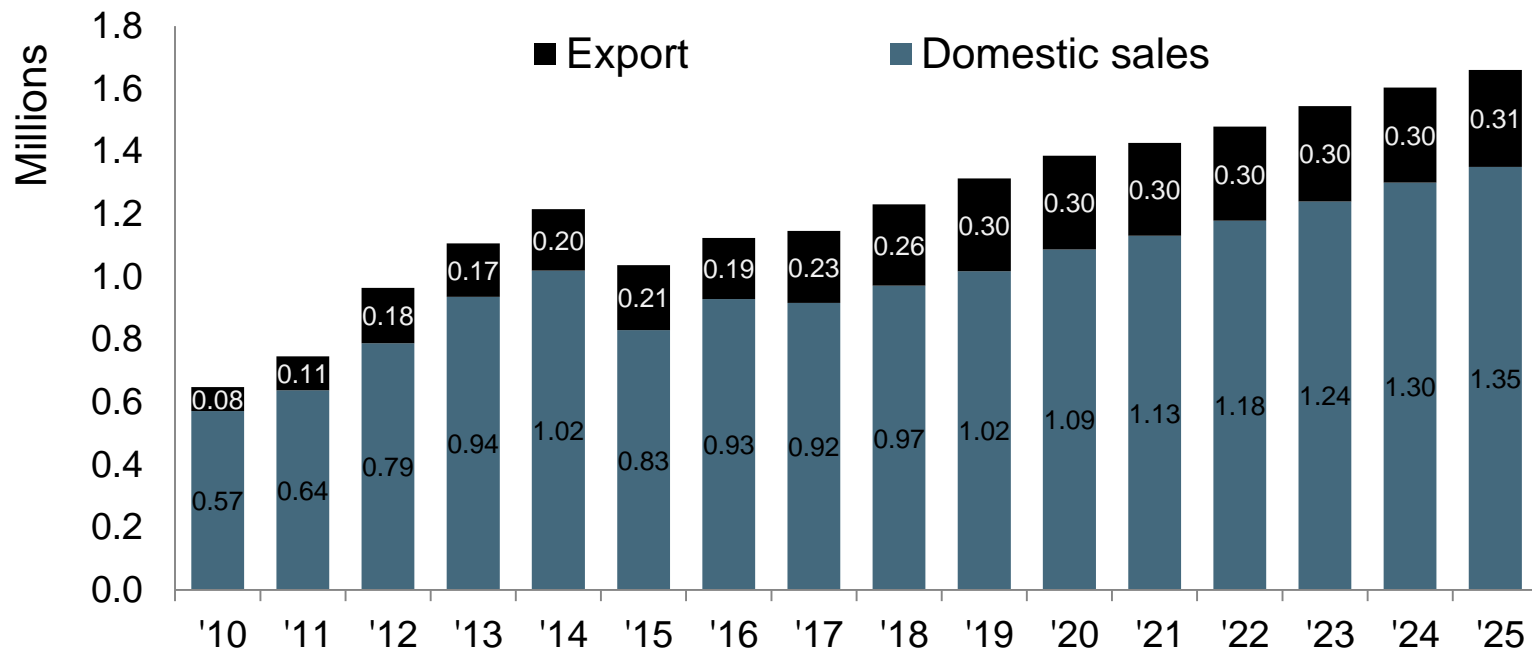
Indonesia Sales: Largest Market in ASEAN



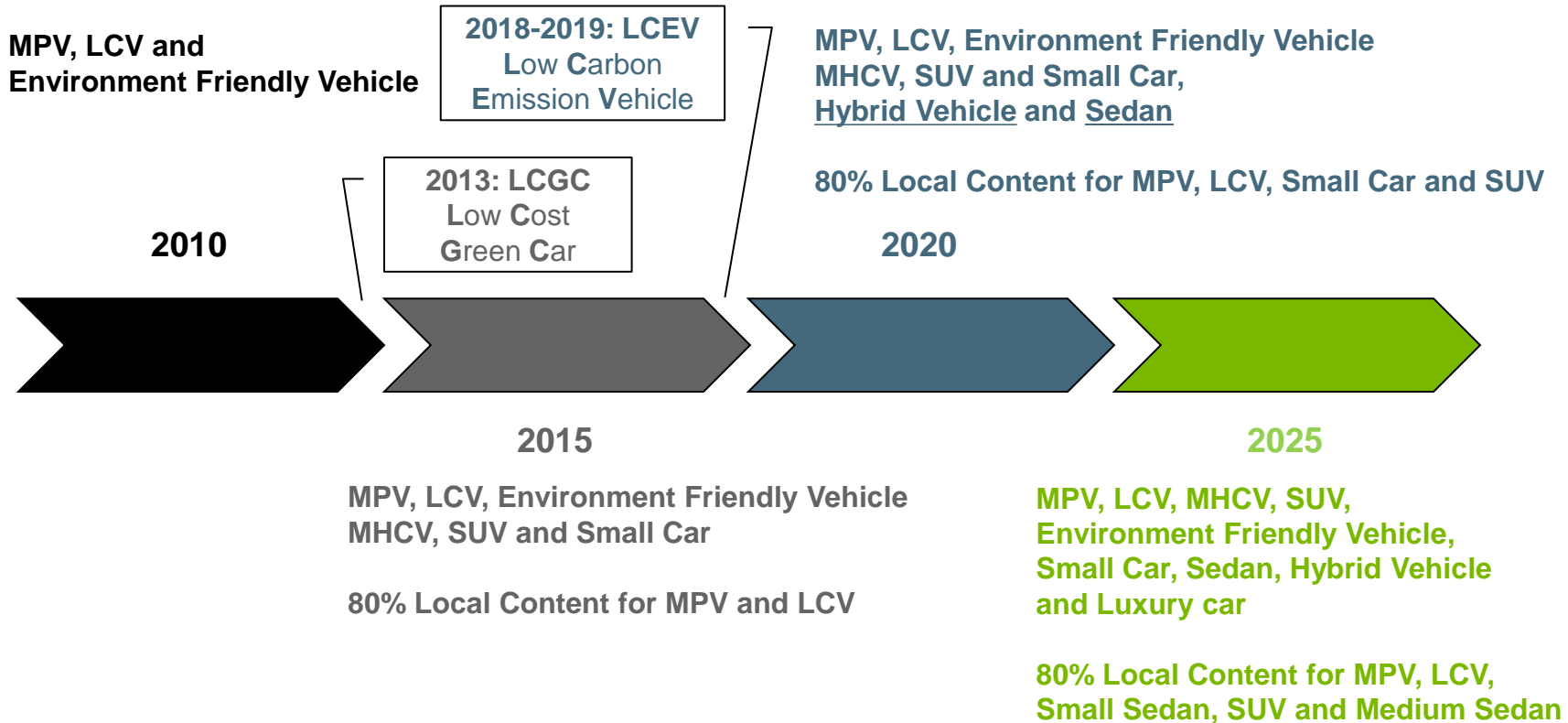
Tight Auto Loans Pressure PV but LCV Saw Growth



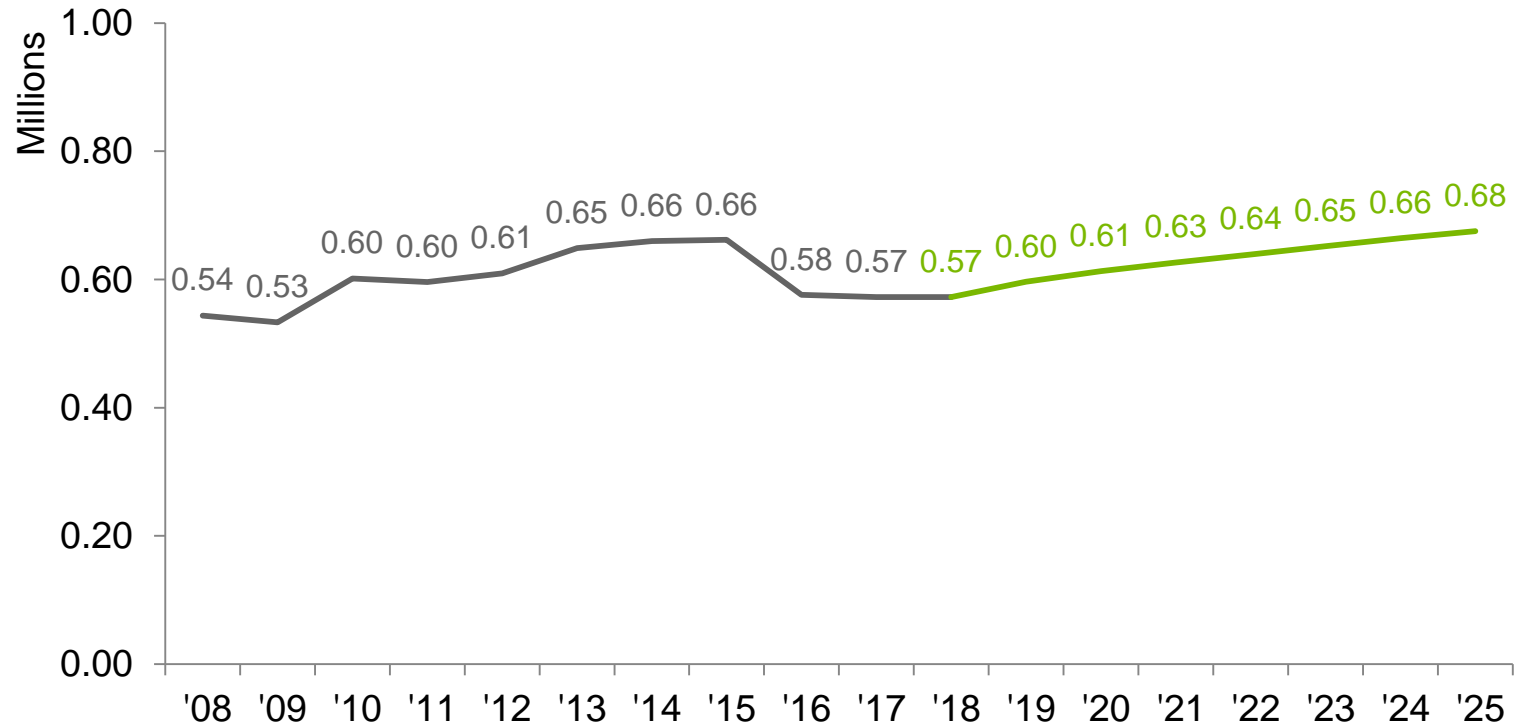
Indonesia: Limited Export Due to Unfavorable Tax Structure



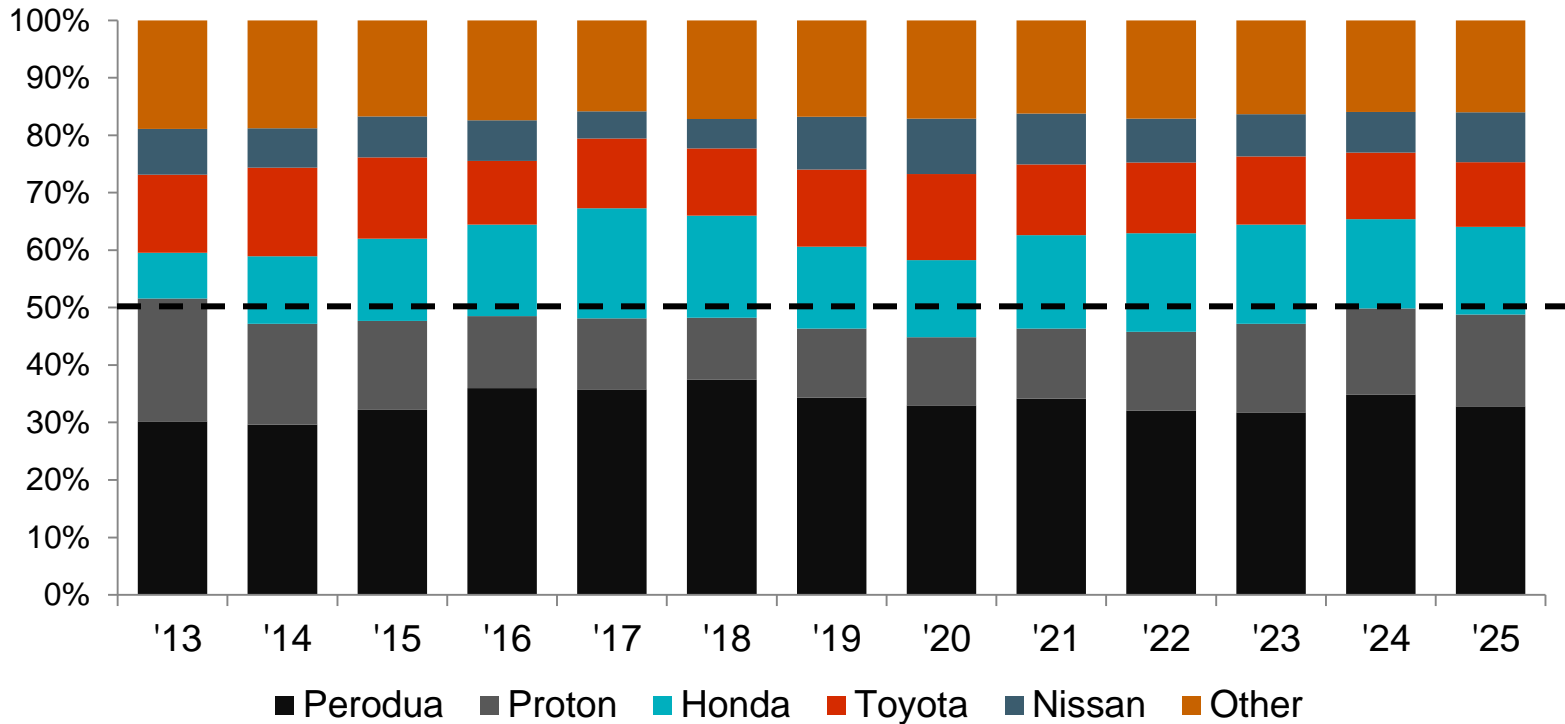
Indonesia Automotive Industry Roadmap



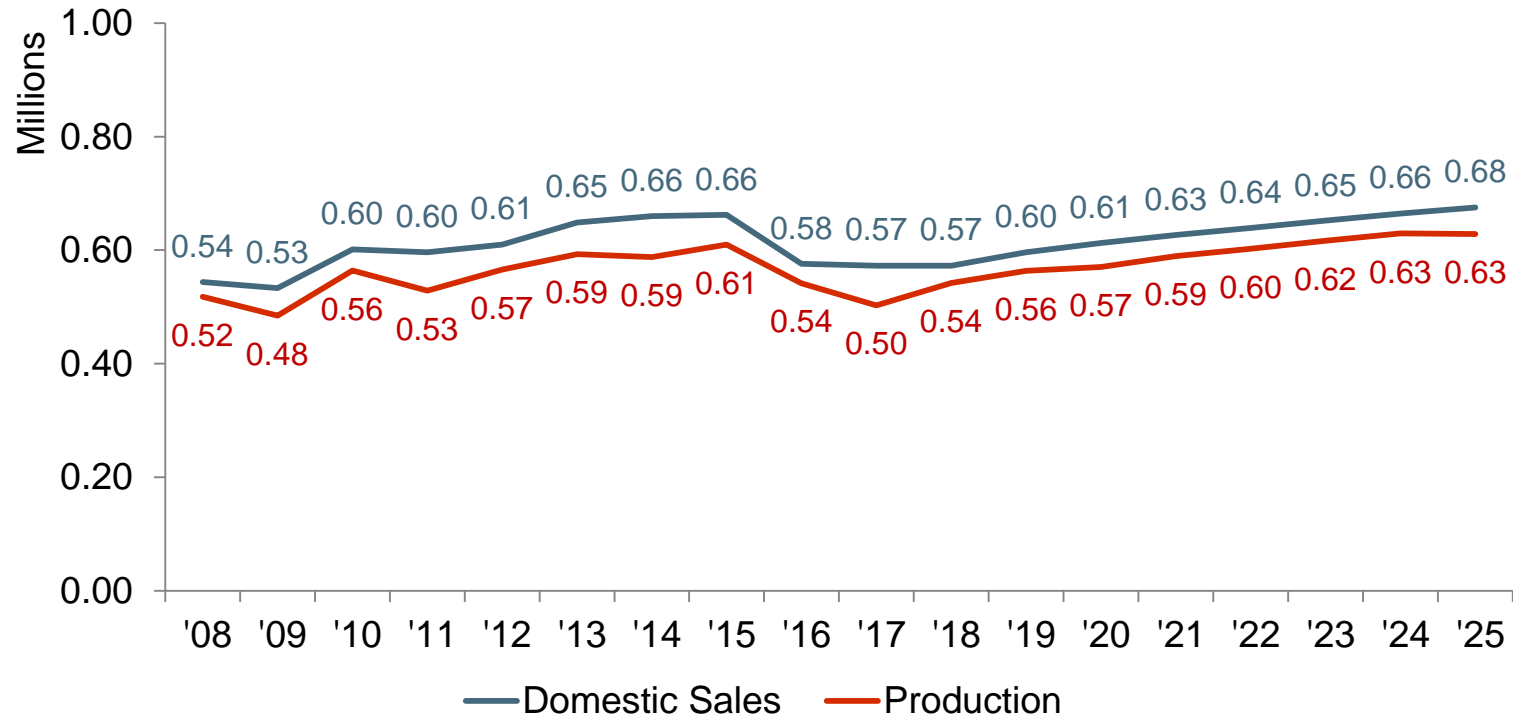
Malaysia: Mature Market



Malaysia: National Brands and Non-National Brands



Malaysian Production Lower Than Domestic Sales





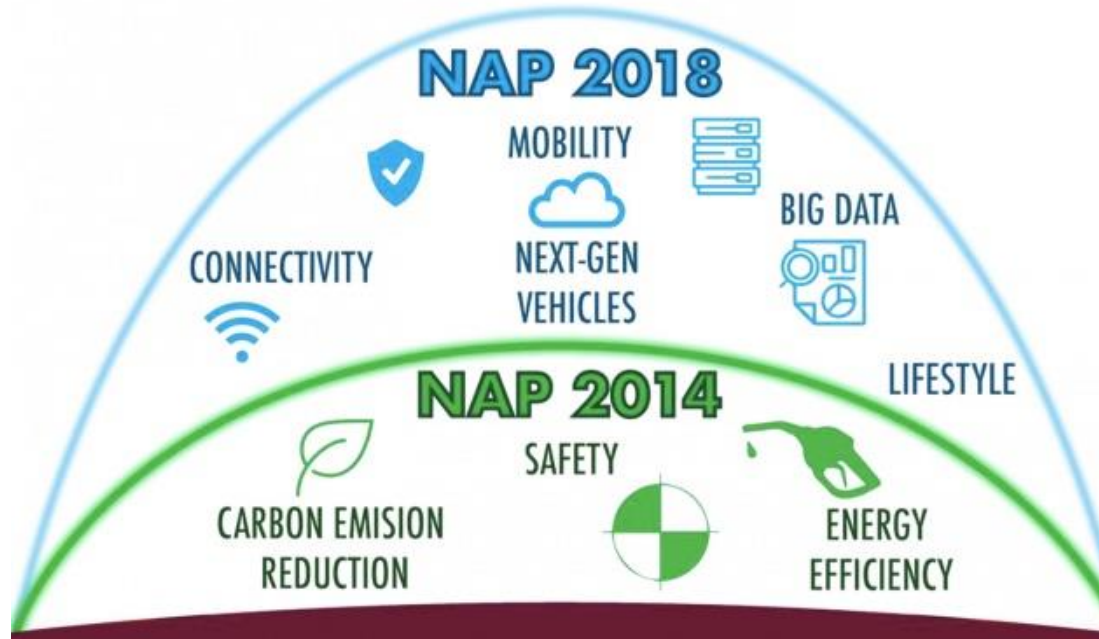
Malaysia: Energy Efficiency Vehicles (EEV)

- EEV is key policy under NAP 2014 (National Automotive Policy)
- Customized incentives based on investments. EEV specs do not require xEV.

Segment	Description	Curb weight (kg)	Fuel Efficiency (L/100km)
A	Micro Car	< 800	4.5
	City Car	801-1000	5.0
B	Super mini car	1001-1250	6.0
C	Small Family car	1251-1400	6.5
D	Large family car	1401-1550	7.0
	Compact executive car		
E	Executive car	1551-1800	9.5
F	Luxury Car	1801-2050	11.0
J	Large 4x4	2051-2350	11.5
Other	Other	2351-2500	12.0

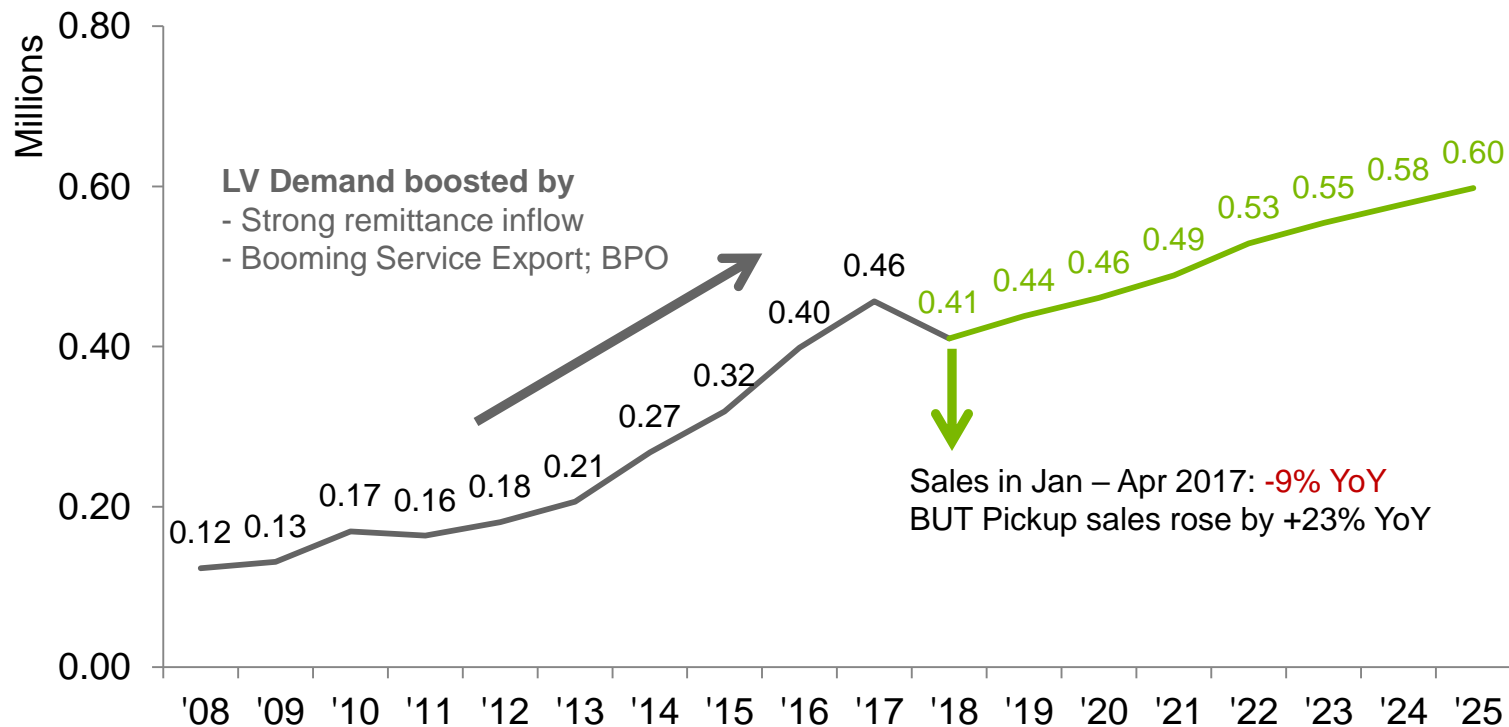
Malaysia: NAP 2018 Could Be Delayed

- NAP 2018 - Connectivity, Mobility, Next-Generation Vehicles, Big Data and Lifestyle.



*Source: <https://paultan.org>

Philippines: Pull-forward Purchases in 2017



Philippines: Support Electrification and CV

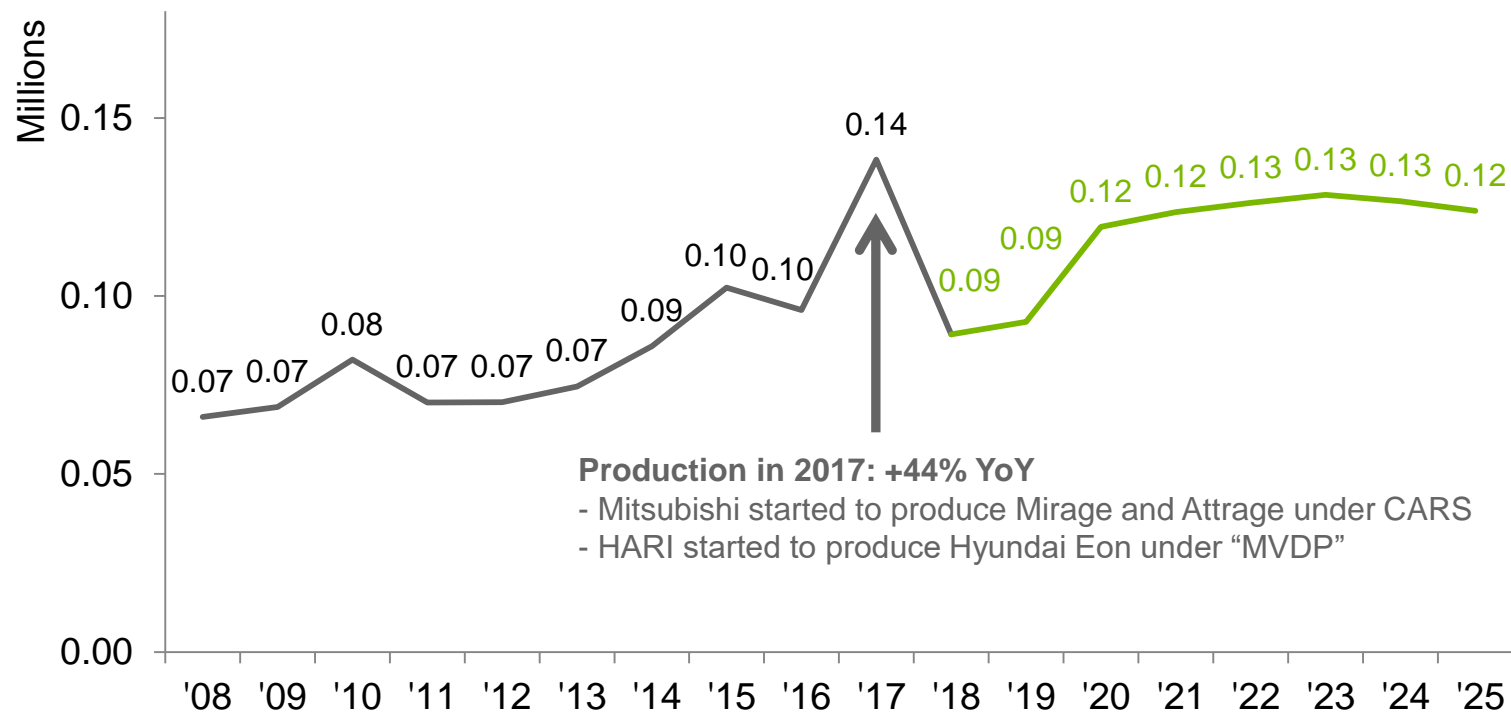


Net Manufacturer's/ Importer's Selling Price	Excise Tax before January 2018
Up to PHP 600,000	2%
600,000 – 1.1 mn	PHP 12,000 + 20% of value in excess of PHP600k
1.1 mn – 2.1 mn	PHP112,000 + 40% of value in excess of PHP1.1 mn
> 2.1 mn	PHP512,000 + 60% of value in excess of PHP2.1 mn

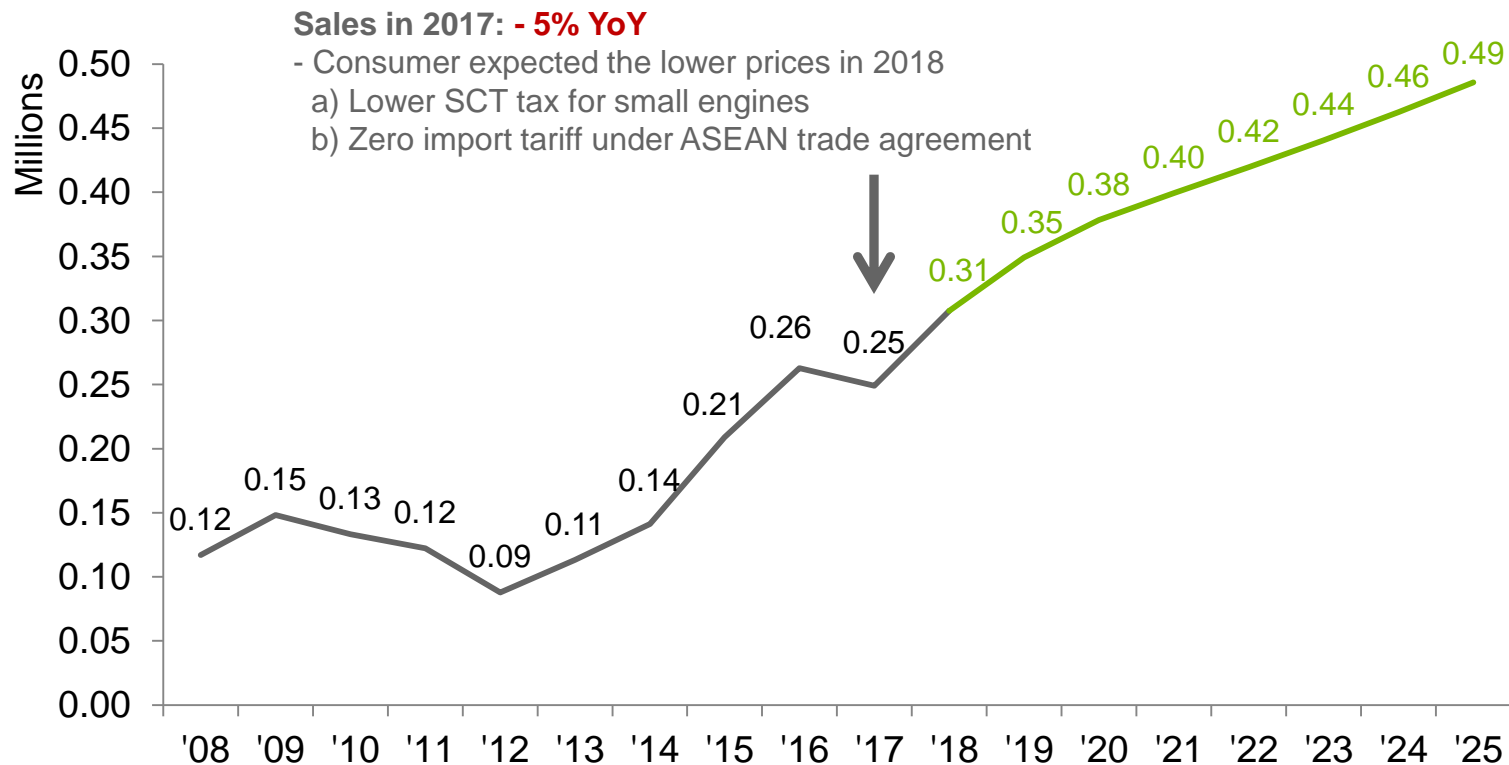
Net Manufacturer's/ Importer's Selling Price	New Excise Tax from January 2018		
	ICE	Hybrid Vehicle	Pickup and BEV
Up to PHP 600,000	4%	2%	0%
600,000 – 1.0 mn	10%	5%	0%
1.0 mn – 4.0 mn	20%	10%	0%
> 4.0 mn	50%	25%	0%

Philippines: No More Production of Euro 3 & Older Models

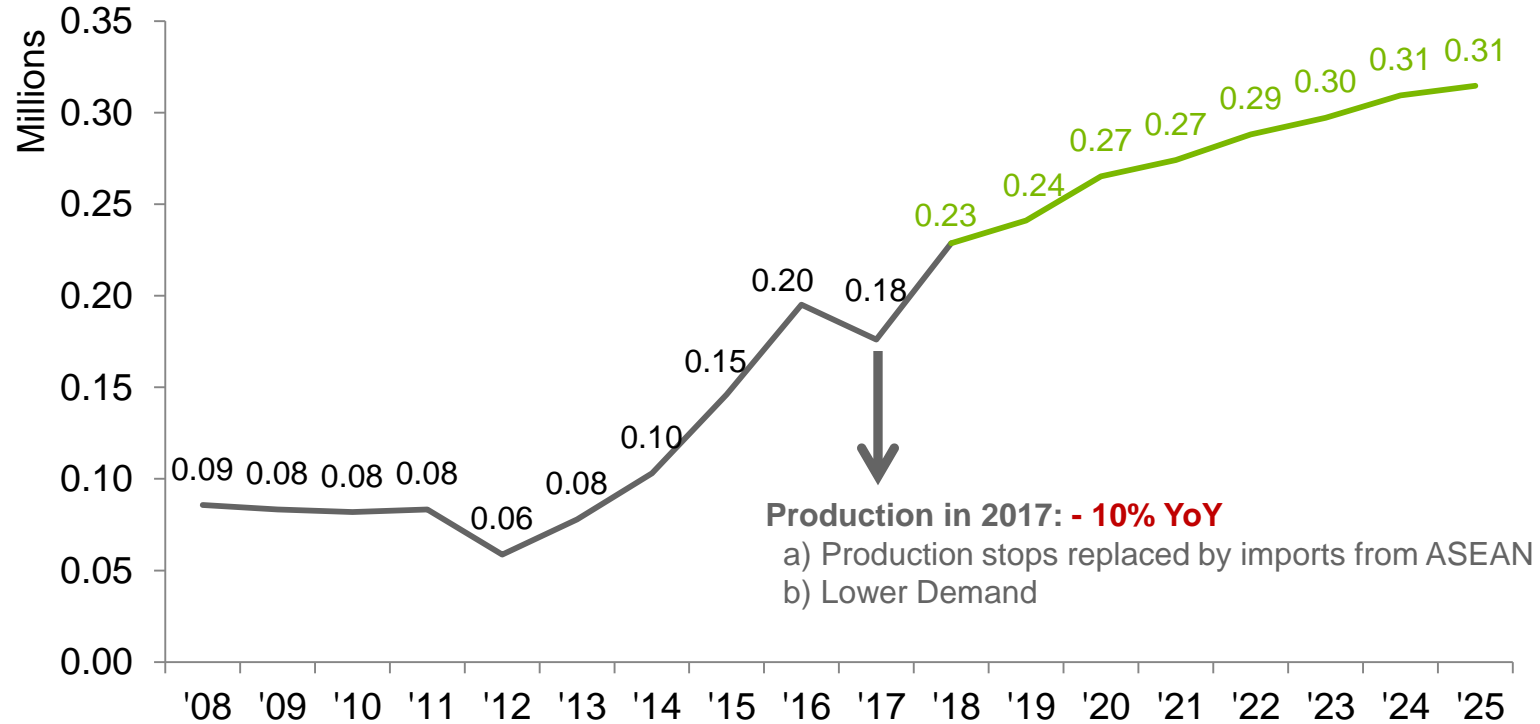
- 2017 production boosted by CARS program.



Vietnam: Anticipation of Zero Tariff Led to 2017 Sales Drop



Vietnam Production: Decree 116 (Non-Tariff Barrier)

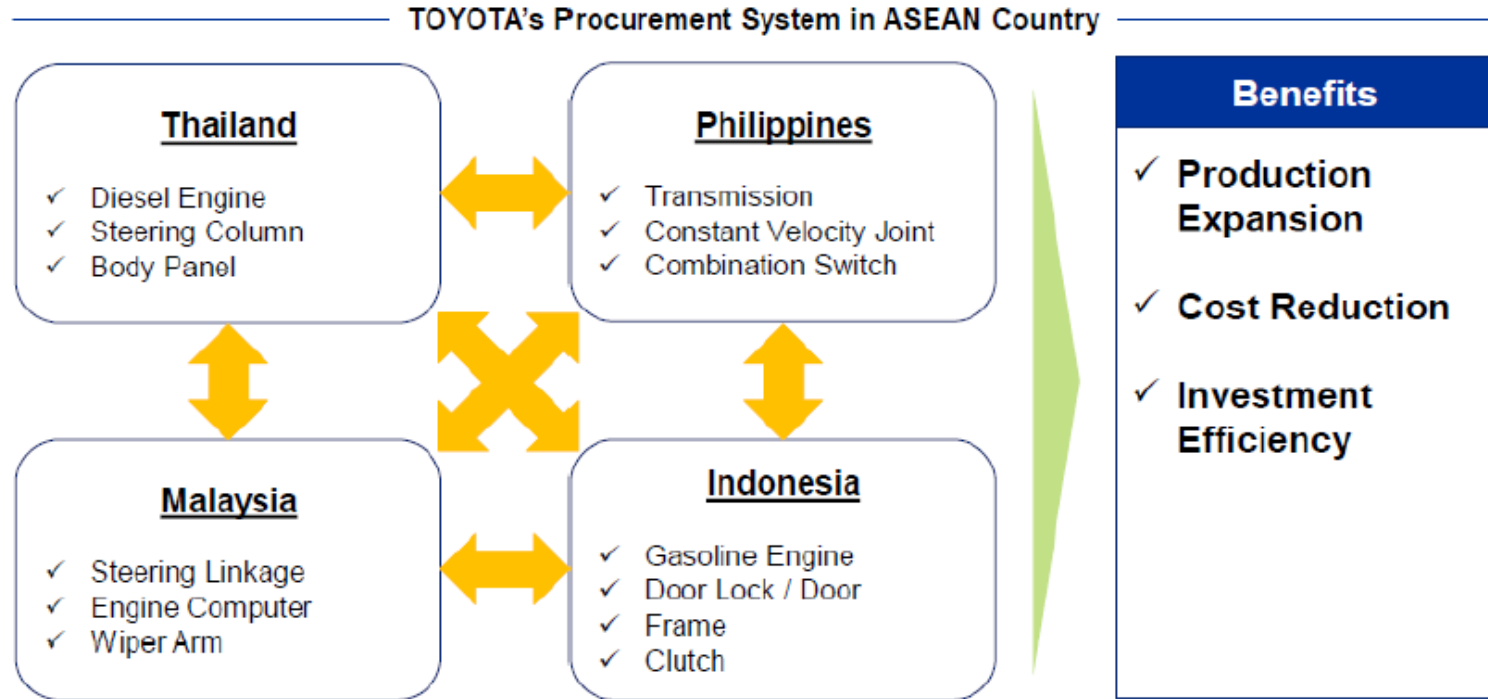


Vietnam Government Supports Local Industry



Time	Detail
January 2016	Government changed import tariffs calculation from “CIF” to “Wholes sales prices”
April 2016	THACO announced to capacity expansion to 100,000 units per year for Mazda
September 2017	Vingroup announced production of made-in-Vietnam Car or “VinFast” Plant Capacity: <ul style="list-style-type: none">- 300,000 units for Motorbike (start production in 2018)- 250,000 units for Sedan and SUV (start production in Q3 2019)
October 2017	Government planned to cut import tariffs for auto components to support local car makers.
	Government announced Decree 116: <ul style="list-style-type: none">- Require VTA issued by a foreign authorized agency or government- Every batch of CBU Imports must be tested and inspected.
January 2018	- Automakers stopped exporting cars to Vietnam
March 2018	- Automakers resumed exporting cars to Vietnam and increased CBU model prices.

Collaboration Among ASEAN: Toyota's IMV Project



Source: Hideo KOBAYASHI (2015), *Current State and Issues of the Automobile and Auto Parts Industries in ASEAN*, ERIA Discussion Paper Series.



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Thank you