



Department of Alternative
Energy Development and Efficiency

MINISTRY OF ENERGY

Motorised Two-Wheelers in Thailand

Makati Diamond Residences, Manila, Philippines

27th November 2017

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Engineer

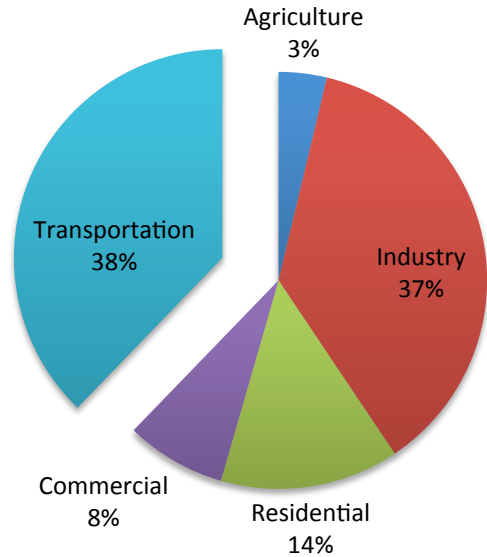
Department of Alternative Energy Development And Efficiency
Ministry of Energy, Thailand



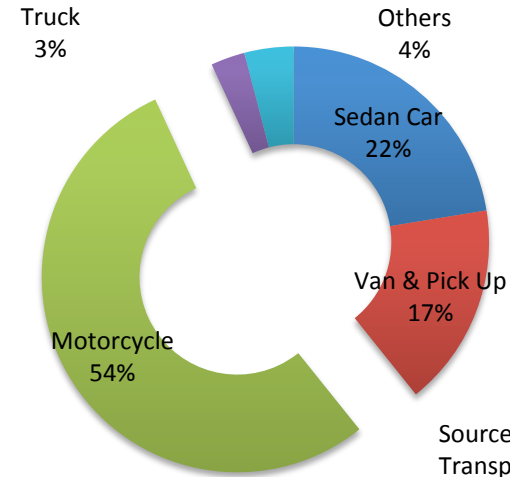
1. Status of Motorised Two-Wheelers in Thailand
2. Challenges on Motorised Two-Wheelers in Thailand
3. Electric Vehicle in Thailand



2016 Energy Consumption in Thailand

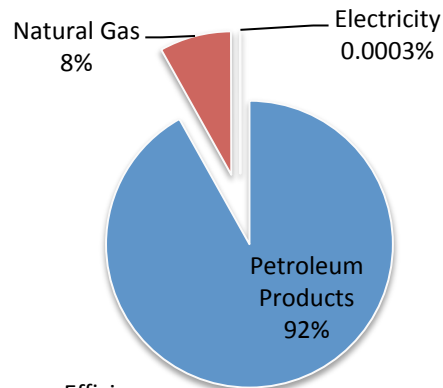


Type of Vehicle Registration in Thailand



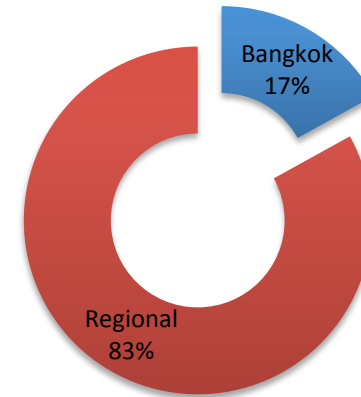
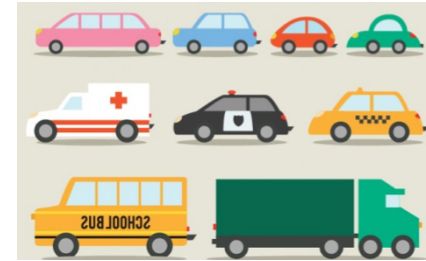
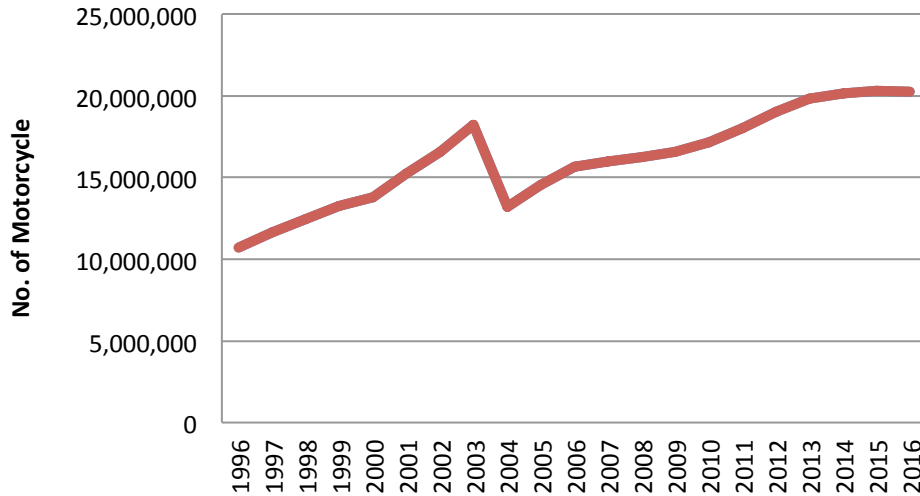
Source: Department of Land Transport at July 2017

Type of Energy in Transport Sector in 2016





Number of Registration Motorcycle



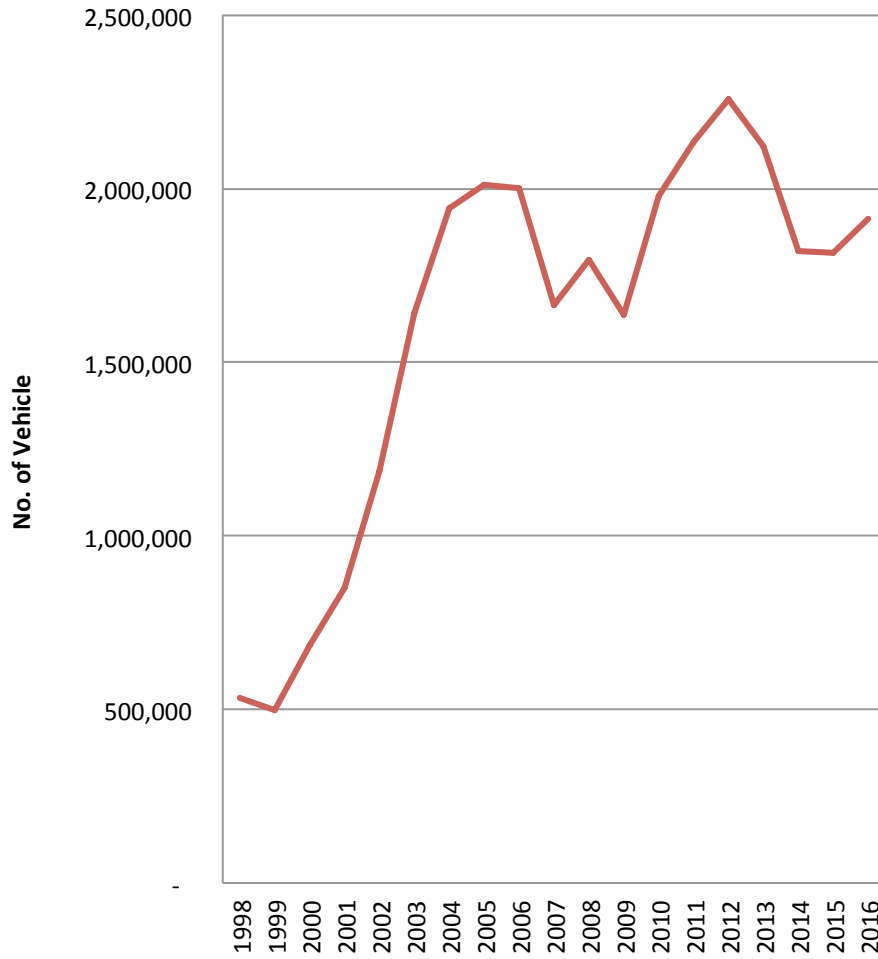
- In 2016 there is around 20.5 million motorcycle on the street
- Motorcycle took 35% share of transport in Thailand
- From 2007 there is an increase of 3% rate on new motorcycle registration
- In 2016 there was 1,324 Electric motorcycle register in the system (0.005%)

Source: Department of Land Transport





Number of new 2 wheel vehicle register each year in Thailand



Source: Department of Land Transport

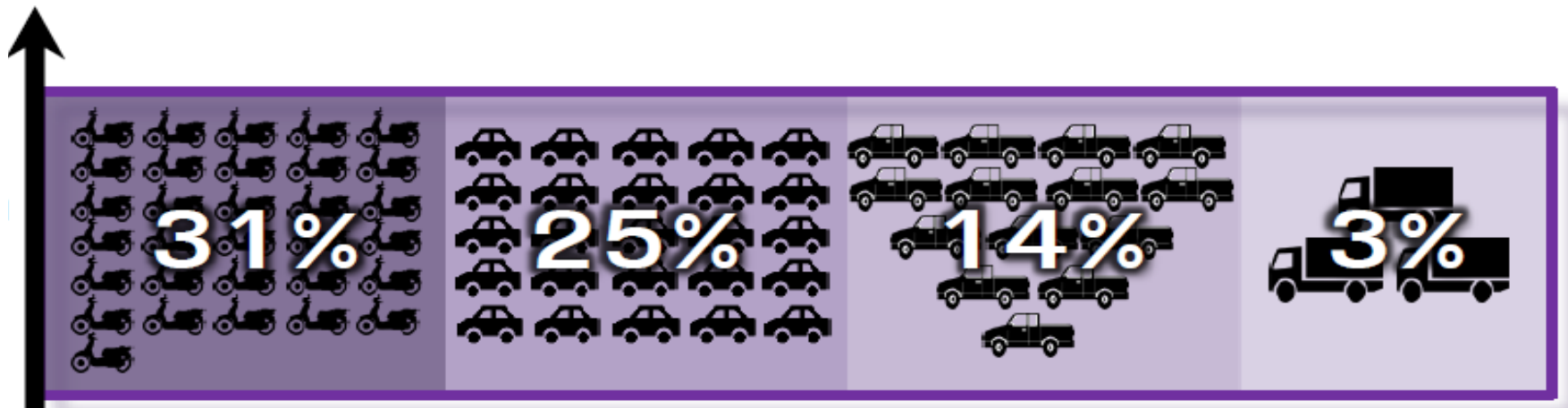
Why is it popular?

- Cheap compare to other type of vehicle
- Flexible in Bangkok traffic
- Require less space for parking
- Career





- ✧ Mostly are safety policies to avoid accident
 - Helmet
 - Ride on the right lane (not on footpath)
 - Restrict area
- ✧ Pollution and Noise
- ✧ Modify without permission



Source: Traffic News



- ❖ Limited data to analyse the motorcycle consumption/usage in Thailand
- ❖ Deny from motorcycle manufacturer
- ❖ Technology
- ❖ Rider habit
- ❖ Integration





- ❖ Getting the Infrastructure ready for EV
- ❖ Charging Station
- ❖ EV Tuk-Tuk and EV Buses
- ❖ Setting MEPS (Minimum Energy Performance Standards) and HEPS (High Energy Performance Standard) on electric motorcycle and charger
- ❖ Shift mode



Thank You



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