

## List of Abbreviations and Acronyms

2W	Two-wheeler
AC	Alternating Current
AIST	National Institute of Advanced Industrial Science and Technology
APAEC	ASEAN Plan of Action for Energy Cooperation
ASEAN	Association of Southeast Asian Nations
B2	2% biodiesel blend
B5	5% biodiesel blend
B10	10% biodiesel blend
B20	20% biodiesel blend
BAU	Business as Usual
BEV	Battery Electric Vehicle
BIT	Bandung Institute of Technology, Indonesia
BPS	Indonesia Central Agency on Statistics
CAGR	Compound Annual Growth Rate
CBU	Completely Built Unit
CES	Clean Energy Scenario
CH <sub>4</sub>	Methane
CKD	Completely Knocked Down
CNG	Compressed Natural Gas
Co	Cobalt
CO <sub>2</sub>	Carbon Dioxide
COP 26	26 <sup>th</sup> Conference of the Parties, UNFCC
CREVI	Comprehensive Roadmap for the Electric Vehicle Industry
DAKN	National Agricommodity Policy, Malaysia
DC	Direct Current
DISCOM	Distribution Companies, India
DOTr	Department of Transportation, Philippines
E2W	Electric Two-wheeler

E5	5% Ethanol Blend
E10	10% Ethanol Blend
E15	15% Ethanol Blend
E20	20% Ethanol Blend
EAS	East Asia Summit
eMC	Electric Motorcycle
ENTEC	National Energy Technology Centre
ERIA	Economic Research Institute for ASEAN and East Asia
EU	European Union
EV	Electric Vehicle
EVCS	EV and Charging Station
EVIDA	Electric Vehicle Industry Development Act, Philippines
FAME	Faster Adoption and Manufacturing of Electric Vehicles, India
FCVs	Fuel-cell Vehicles
FDI	Foreign Direct Investment
FE	Fuel Economy
FIT	Feed-in Tariff
FY	Fiscal Year
GAIKINDO	Association of Indonesian Automotive Industries, Indonesia
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GJ	Gigajoule
GWP	Global Warming Potential
HUST	Hanoi University of Science and Technology, Viet Nam
ICE	Internal Combustion Engine
IEA	International Energy Agency
IMF	International Monetary Fund
IPCC	Intergovernmental Panel on Climate Change
IVC	India Vision Case
KMUTT	King Mongkut's University of Technology Thonburi, Thailand
ktoe	Kilotonne of Oil Equivalent
LEAP	Low Emissions Analysis Platform

LEV	Light Electric Vehicle
LNG	Liquefied Natural Gas
LPG	Liquefied Petroleum Gas
LT-LEDS	Long-term Low Greenhouse Gas Emission Development Strategy
MAA	Malaysia Automotive Association
MARii	Malaysia Automotive Robotics and IoT Institute
MEMR	Ministry of Energy and Mineral Resources
MOF	Ministry of Finance
MOI	Ministry of Industry
MPOB	Malaysian Palm Oil Board
N <sub>2</sub> O	Nitrous Oxide
Nd	Neodymium
NDC	Nationally Determined Contribution
NEP	National Energy Plan
NITI	National Institution for Transforming India
NSTDA	National Science and Technology Development Agency
NTPC	National Thermal Power Corporation
NV	Number of Vehicles
PBOI	Philippine Board of Investments
PDOE	Philippine Department of Energy
PHEV	Plug-in Hybrid Electric Vehicle
PLN	Indonesian State Electricity Company
PUVMP	Public Utility Vehicle Modernization Program
R&D	Research and Development
RE	Renewable Energy
RUPTL	Indonesia National Electricity Supply Business Plan
SDG	Sustainable Development Goal
SDS	Sustainable Development Scenario
STEPS	Stated Policies Scenario
TAT	Turnaround Time
TCO	Total Cost of Ownership
TISI	Thai Industrial Standards Institute

TTW	Tank-to-Wheel
t/y	Tonne per Year
UGM	Universitas Gadjah Mada, Indonesia
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
US	United States
US-EPA	United States Environment Protection Agency
USGS	United States Geological Survey
VAMA	Vietnam Automobile Manufacturers' Association
VAT	Value-added Tax
VKT	Vehicle Kilometre of Travel
WTT	Well-to-Tank
WTW	Well-to-Wheel
xEV	Electrified Vehicle
ZEV	Zero-emission Vehicle