

# ASEAN-KOREA Cooperation in E-Mobility

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# Table of Contents

**1. Current State of ASEAN–Korea EV Trade**

**2. Current ASEAN EV Industry and Challenges**

**3. Carbon Neutrality and E–Mobility Industry**

**4. Growth of E–Mobility in ASEAN**

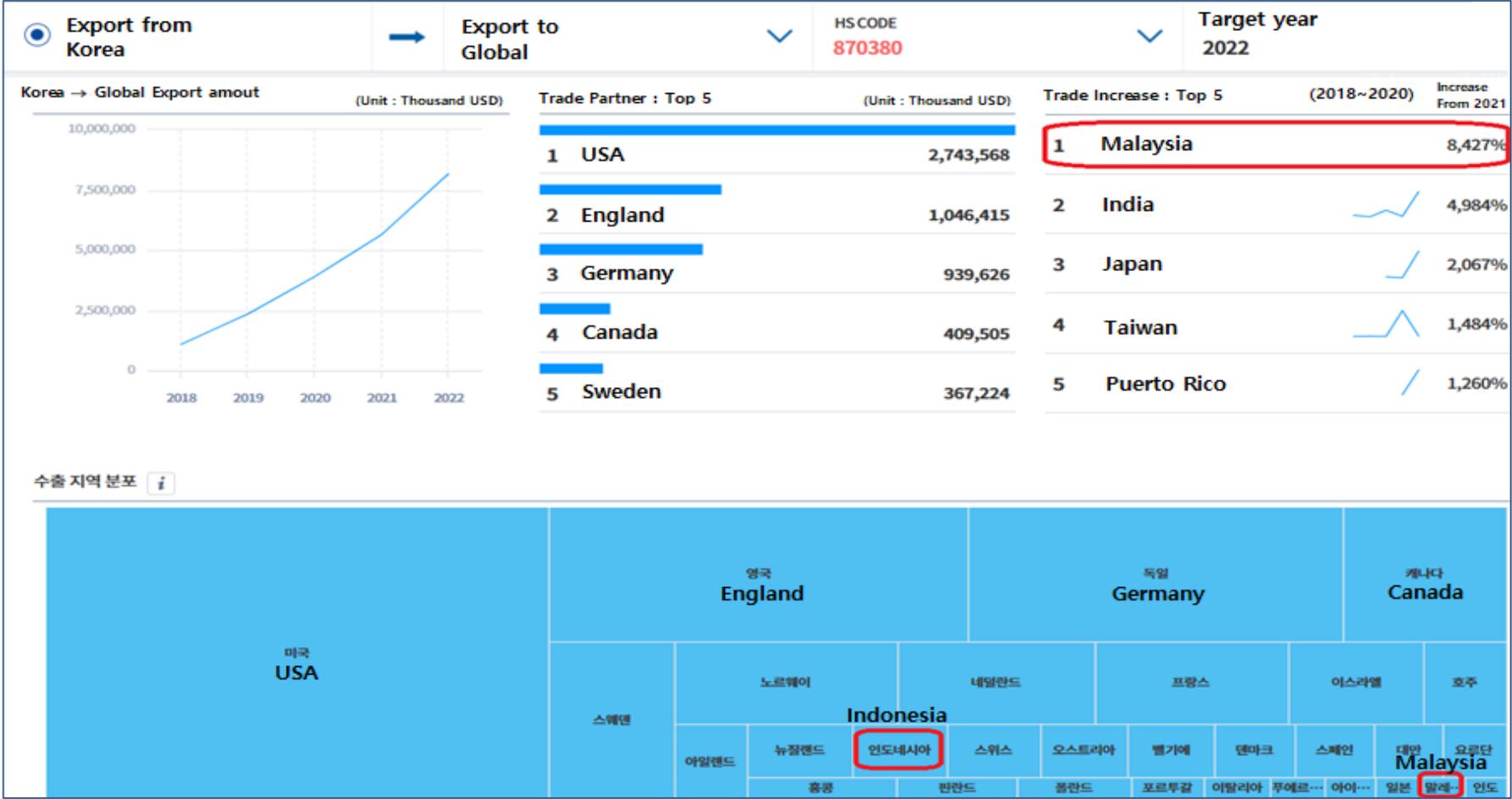
**5. Suggestions for A–K E–Mobility Cooperation**

## Major Export Destinations for Korean EVs



Source : KOTRA TriBig Statistical Analysis

## Current Korean EV trade with Global & ASEAN



Source : KOTRA TriBig Statistical Analysis

# 1. Current State of ASEAN-Korea EV Trade

## Korea & Thailand EV Trade (Rank 22)

태국의 수입지역 순위

순위	수입지역	수입금액(천\$)	비율(%)
-	한국	-	-
1	일본	106,203	86.47
2	독일	9,391	7.65
3	미국	3,259	2.65
4	폴란드	1,382	1.13
5	체코	886	0.72
6	영국	542	0.44
7	캐나다	467	0.38
8	튀르키예	325	0.26

※ 해당 교역통계는 각국의 신고 기준이므로 금액차이 발생

한국 기준 수출상위지역 (천\$)

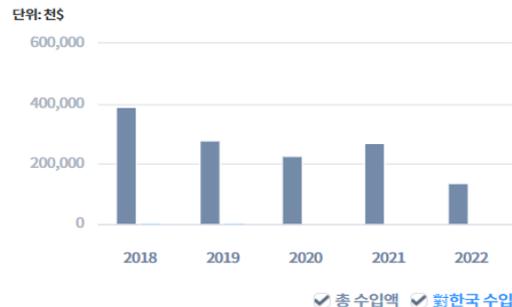


태국의 수출입 추이

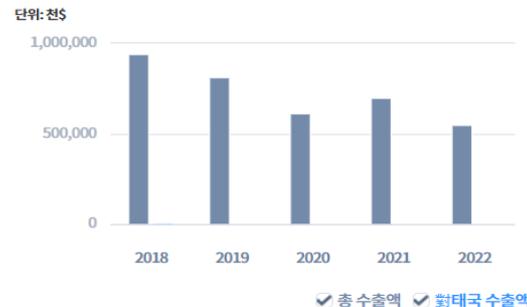


한국과의 교역통계 (조회 품목 기준)

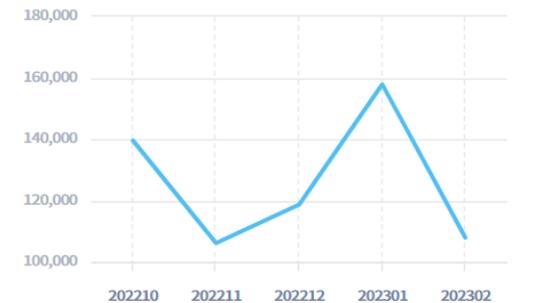
태국 수입액 현황



한국 수출액 현황



해당품목 최근 6개월 수출금액 추이



## Korea & Indonesia EV Trade (Rank 27)

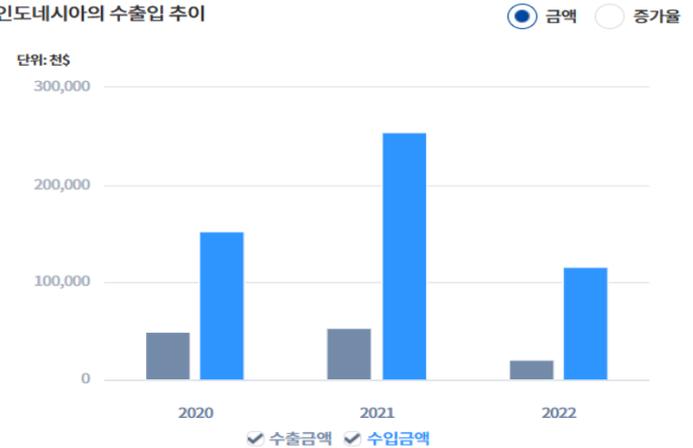
인도네시아의 수입지역 순위

순위	수입지역	수입금액(천\$)	비율(%)
-	한국	-	-
1	일본	103,771	96.10
2	미국	1,663	1.54
3	독일	1,556	1.44
4	튀르키예	389	0.36
5	폴란드	336	0.31
6	영국	70	0.06
7	브라질	69	0.06
8	스웨덴	59	0.05

※ 해당 교역통계는 각 국의 신고 기준이므로 금액차이 발생



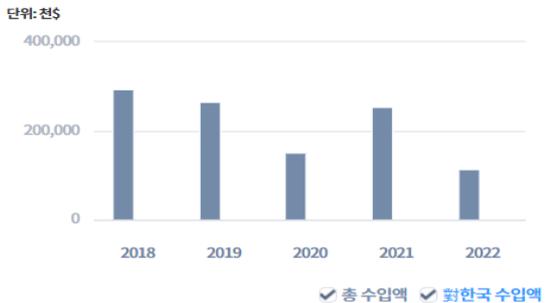
인도네시아의 수출입 추이



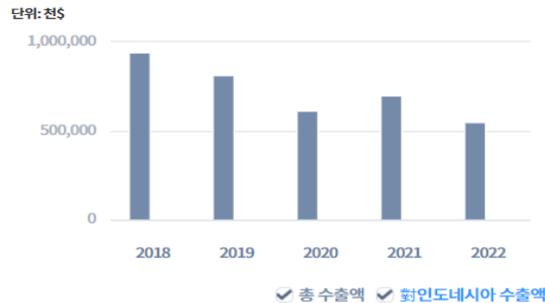
UN Comtrade 기준

### 한국과의 교역통계 (조회 품목 기준)

인도네시아 수입액 현황



한국 수출액 현황



해당품목 최근 6개월 수출금액 추이



# 2. Current ASEAN EV Industry and Challenges

## Distribution of Promising EV Markets



Numbers of Importing Countries (Pink square)  
Total Importing value (Blue square)

## 2. Current ASEAN EV Industry and Challenges

01.

EV demand growth hindered by low Income

02.

Lack of charging infrastructure

03.

Shorter driving range of e-mobility

04.

Financial burden in EV subsidies

05.

Lack of capacity for supplying electric power

06.

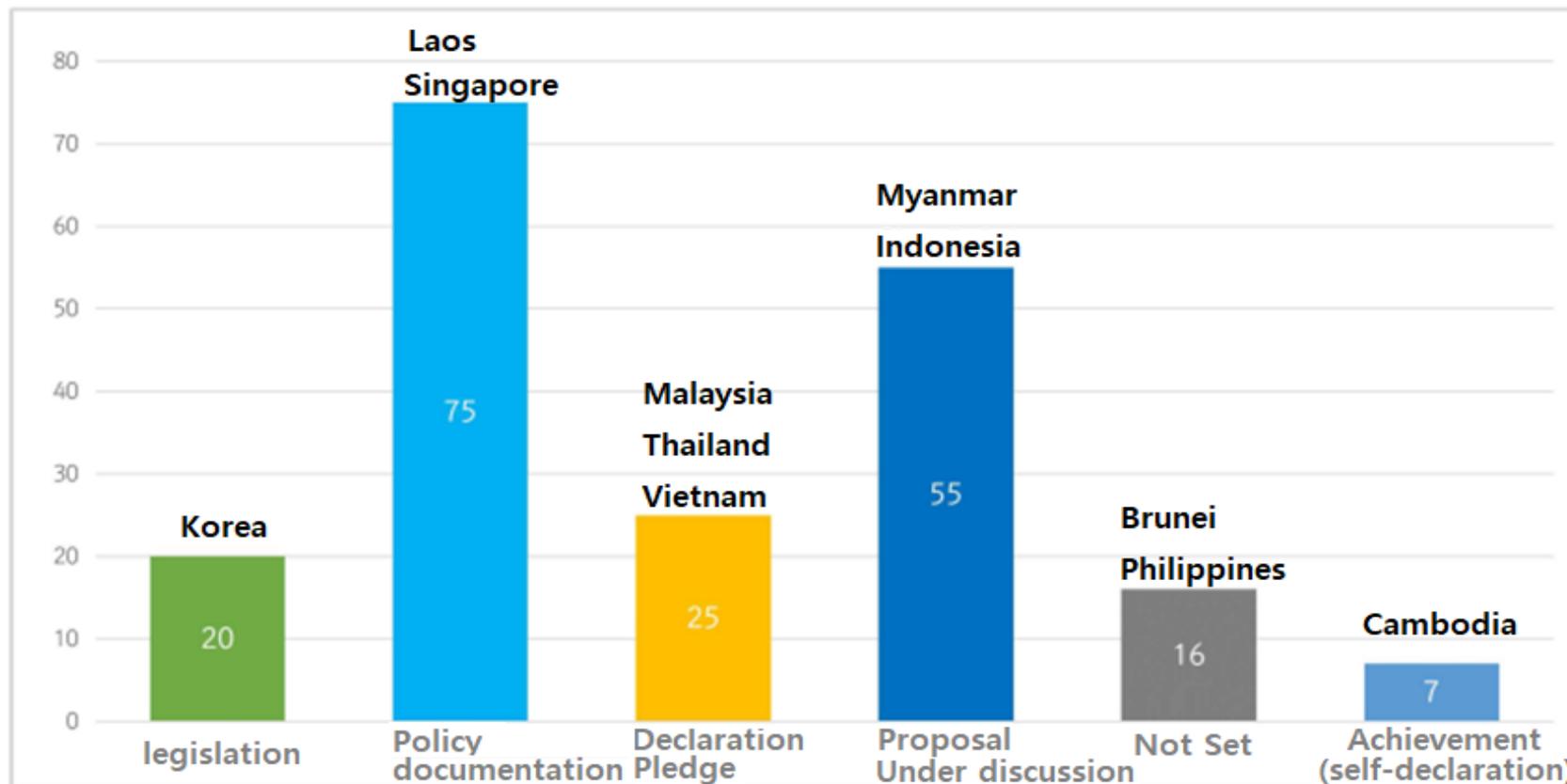
Technology gap and lack of investment capital

Big Change in global carbon neutrality initiatives and increasing push for action



# 3. Carbon Neutrality and E-Mobility Industry

## ASEAN and Korea' s declaration on carbon neutrality



Source : Net Zero Tracker

# 3. Carbon Neutrality and E-Mobility Industry

## Carbon Neutrality Initiatives in the Transportation Sector of EU

### TRANSPORT NEEDS TO CUT EMISSIONS BY 90% BY 2050

Share of total EU Greenhouse Gas (GHG) emissions, per mode



구분	전기차충전소	수소차충전소	중량급차량 전용충전소
TEN-T 핵심 연결망	2025년까지 매 60km 마다 최소 300kW 출력 충전소 설치	2030년까지 매 150km 마다 수소차 충전소 설치	2025년까지 매 60km마다 최소 1,400kW 출력 충전소 설치
	2030년까지 매 60km 마다 최소 600kW 출력 충전소 설치		2030년까지 매 60km마다 최소 3,500kW 출력 충전소 설치
TEN-T 종합 연결망	2030년까지 매 60km 마다 최소 300kW 출력 충전소 설치	-	2025년까지 매 100km마다 최소 1,400kW 출력 충전소 설치
	2035년까지 매 60km 마다 최소 600kW 출력 충전소 설치		2030년까지 매 100km마다 최소 3,500kW 출력 충전소 설치
주요 도시 거점	-	2030년까지 경량급/중량 급 수소차 충전소 설치	전용 주차공간 설치



## 4. Growth in E-Mobility in ASEAN

### Indonesia

- **Preparing discount subsidies for EV and E-mobility**
  - for 200,000 electric motorcycles, 35,900 electric vehicles
- **Strengthening local content requirement (TKDN)**
  - at least 60% target for electric vehicles and 80% for two- and three-wheelers

### Thailand

- **Sales of EV in Thailand are predicted to be between 2.5 and 3.5 million units this year (FTI)**

### Viet Nam

- **Electric taxi service introduced (April 23)**
  - Plans to supply SM Green taxi to at least 5 provinces in 2023
- **VinFast exported its 999 VF8 EV models to U.S. in 2022.**

## 5. Suggestions for A-K E-Mobility Cooperation

01.

Utilize e-mobility demand in public sector

02.

Promote cooperation across E-mobility

03.

Attract foreign/private investment in charging infra

04.

Establish Regional EV industrial Value Chain

05.

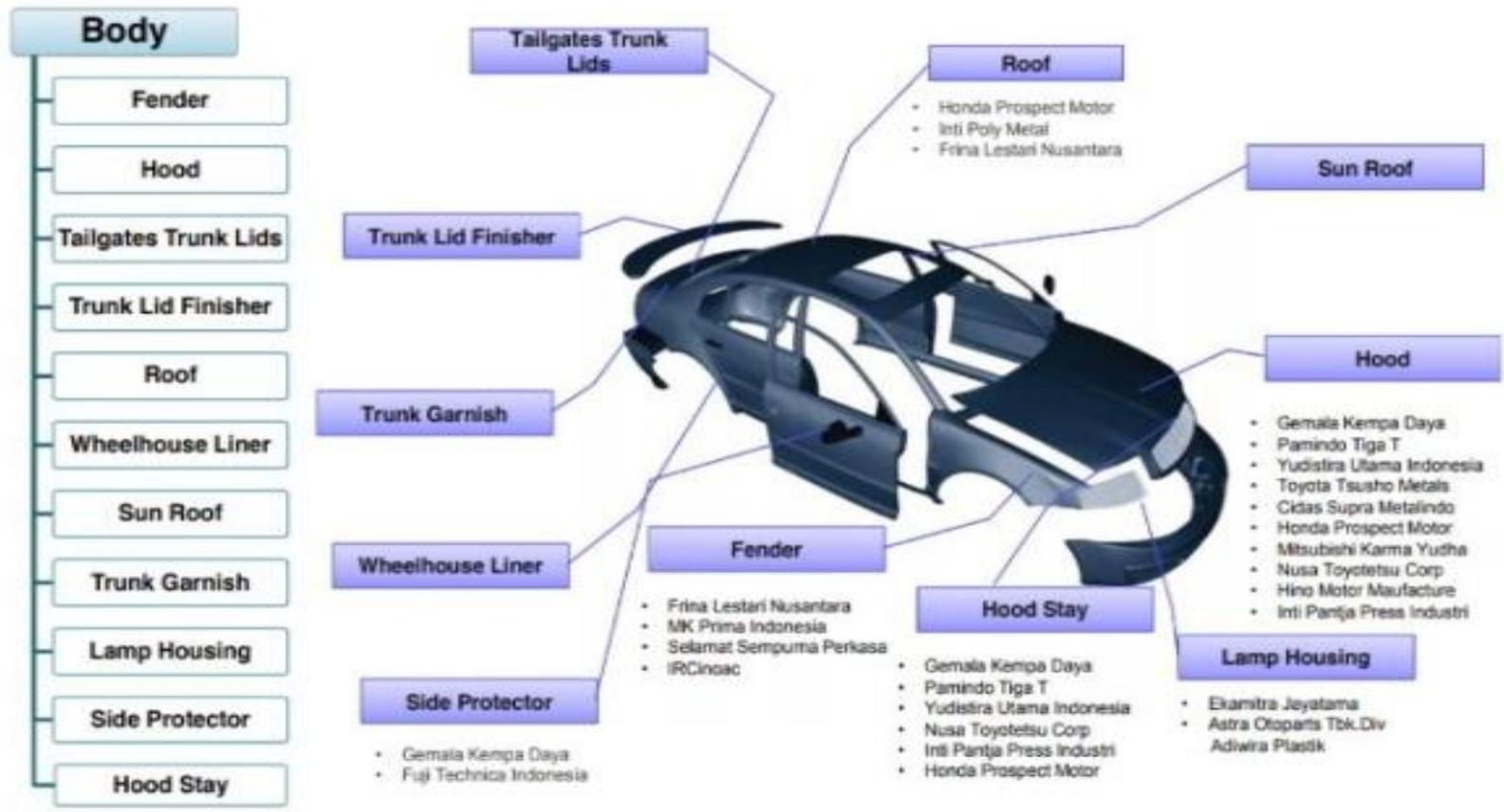
Enlarged EV Cooperation linked with RE/CR

06.

Strategic input of ODA and EDCF in EV Cooperation

# 5. Suggestions for A-K E-Mobility Cooperation

## Analyzing Auto Industry Value Chain of Indonesia



# 5. Suggestions for A-K E-Mobility Cooperation

**Analysis of industry status for  
establishing global value chains (GVC)**



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Envision global business success

# Global Business Platform

**kotra**

Korea Trade-Investment  
Promotion Agency

