

2017.9.26

Overview of Korean Automobile Industry



한국자동차산업협회
Korea Automobile Manufacturers Association

Introduction of KAMA

Korea Automobile Manufacturers Association (KAMA) :

Established in 1988

Non-profit organization

Representing the interests of auto makers in Korea.

KAMA's major roles :

- Representing the interests of Korean automakers
- Providing constructive solutions to public policies related to environment, vehicle safety-issues and consumer satisfaction.
- Supporting international cooperation.
- Leading public opinion on the automotive industry.
- Producing auto-related statistics and information.
- Organizing Seoul Motor Show biennially since 1995.

KAMA Members



(Year 2016)

Employment
(persons in 2015)

66,404

34,121

16,236

4,773

4,220

Production
(thousand units)

1,680

1,557

580

156

244

Domestic Sales
(thousand units)

648

528

167

102

111

Exports
(thousand units)

1,009

997

416

52

146

Overseas Production
(thousand units)

3,186

1,467

-

-

-

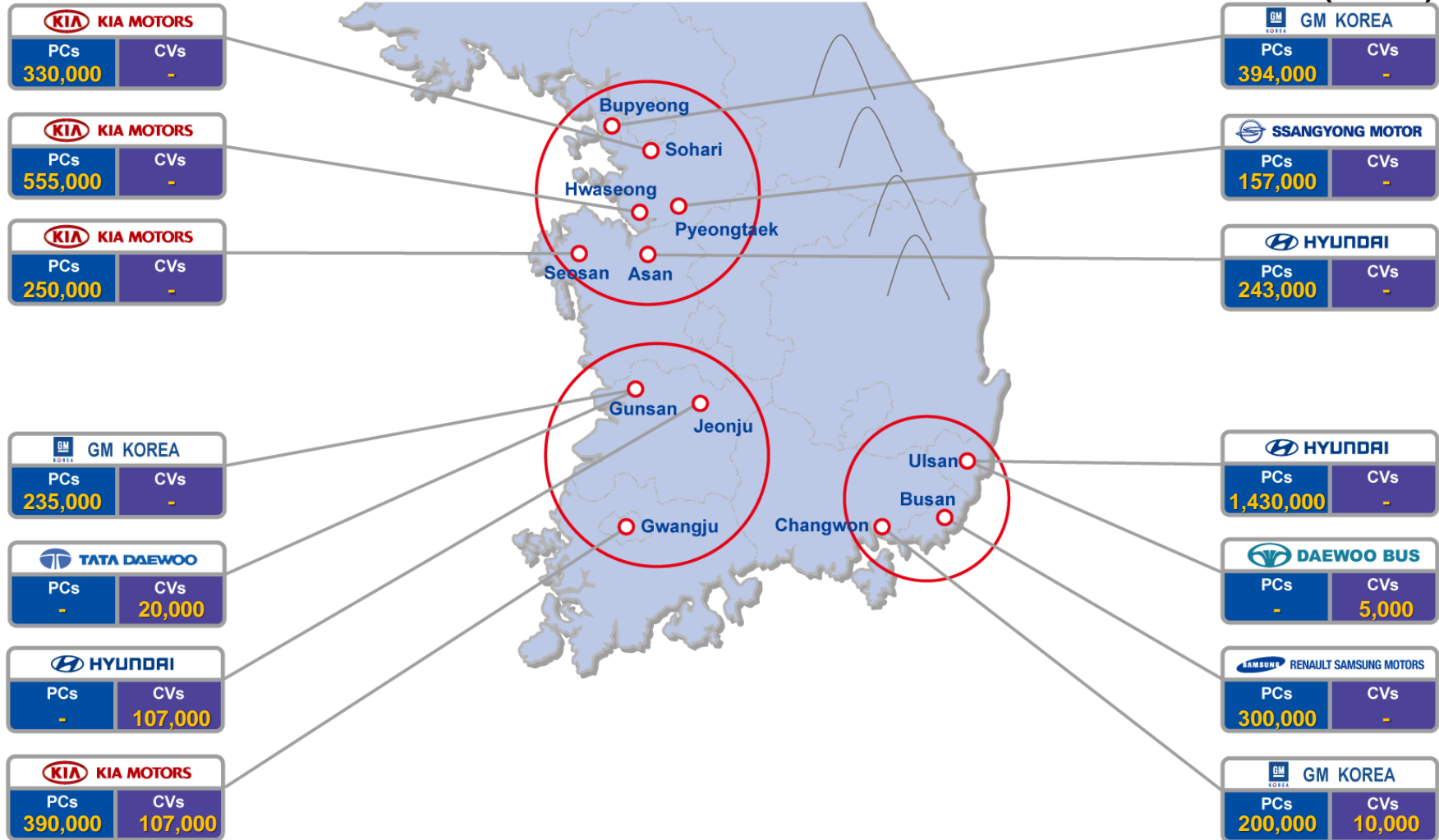
The Status of Korean Auto Industry



Auto Plants in Korea ('16)

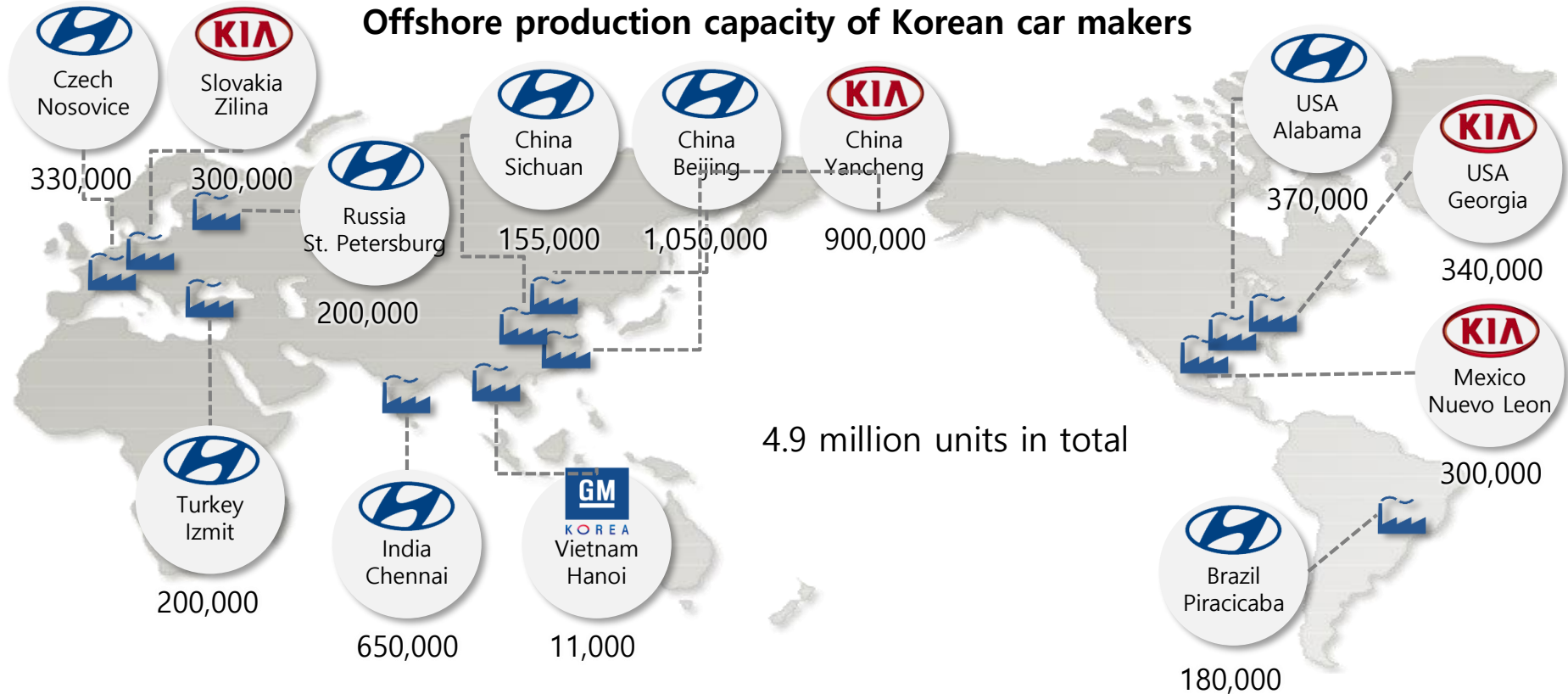
Total 4.7 million

(UNITS)



Transplants('16)

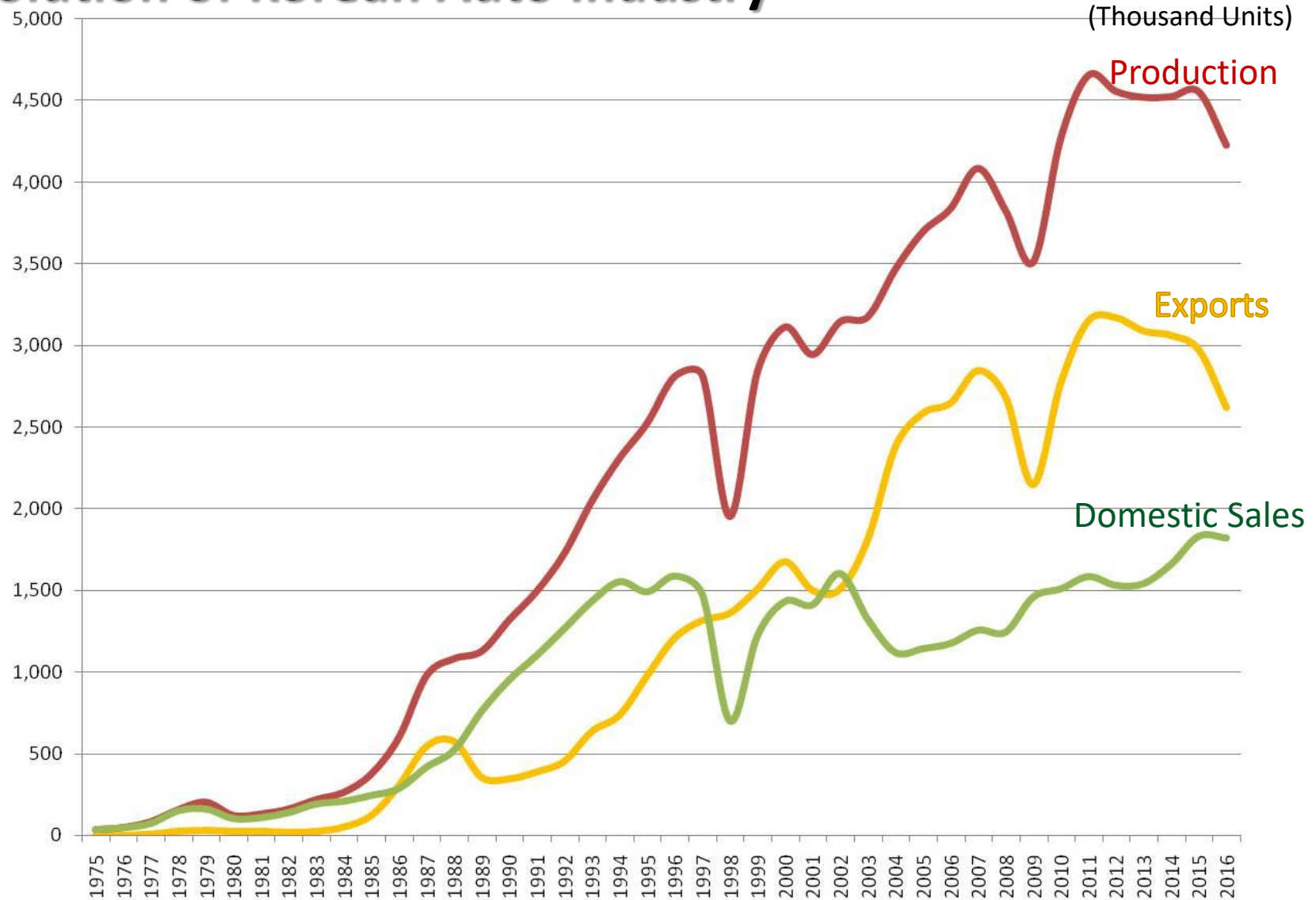
Offshore production capacity of Korean car makers



Timeline of overseas plants in operation



Evolution of Korean Auto Industry



Production & Sales of Korean auto industry

(Thousand Units)

	Production	Domestic Sales	Imports	Exports	Transplant Production
'14	4,524	1,662	219	3,061	4,414
'15	4,556	1,834	284	2,974	4,411
'16	4,229	1,828	265	2,622	4,653
'17F	4,170	1,800	270	2,640	4,300

Future trends in automotive technologies

- Future development of the auto industry will feature eco-cars based on electric power and autonomous driving based on IT, communication, and electronic technologies.

Two directions for the future development in automobile technology

Eco-cars



Self-driving cars

- Environment regulations strengthening amid global warming, shortage of fossil fuels, and worsening air pollution.
 - Developing eco-cars are necessary for higher competitiveness and survival
- Various EV models using electric motors and high voltage batteries →
 - HEV, PHEV, EV, FCEV, etc.
- Consumer needs for auto safety and convenience increasing
 - Interest in autonomous driving resulting from IT, connection and electronic technology development growing
- Establishing Infrastructure, regulations and legal systems in progress
 - In-car entertainment services offered by IT, communication technologies

Eco car sales trend in Korea

- Eco-car sales marked all-time high in 2016 due to sales increase in HEV and EV.
- More choices of HEV and EV models released in market led to boost in sales of eco car as a whole.

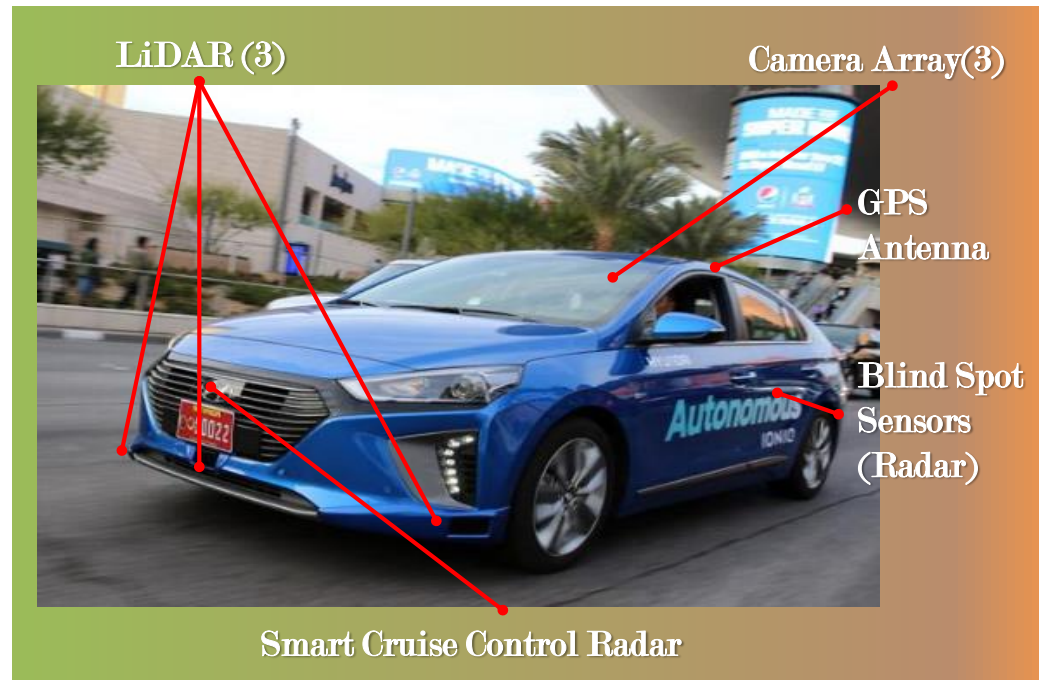
(units)

	2011	2012	2013	2014	2015	2016
Total	19,652	37,120	29,674	35,831	41,959	67,387
HEV	19,371	36,603	29,060	34,516	39,014	62,210
EV	281	517	614	1,315	2,945	5,177

* Newly registered vehicles(domestic and imported cars)

Autonomous Vehicles in Korea

- Announcement of government support programs for Autonomous vehicle('15.5, MOTIE, MOTIL, MSIP)
 - Preparing for regulatory environment and infrastructure for commercialization of self-driving cars
 - Fostering parts suppliers with core technologies in driverless car sector
- Hyundai presenting its automation level 4 IONIQ at CES 2017



The Status of Korean Auto Parts Industry



Suppliers in Korea

Number of Tier 1 Suppliers

Year	Large	Medium/Small*	Total
2016	242	616	858
2015	241	642	883

* Either the number of employees under 300 or capital asset below 8 billion won.

Number of Suppliers by Auto Maker

Year	Hyundai	Kia	GM Korea	Ssangyong	Renault Samsung	Total
2016	346	334	318	236	190	858
2015	348	333	317	237	213	883

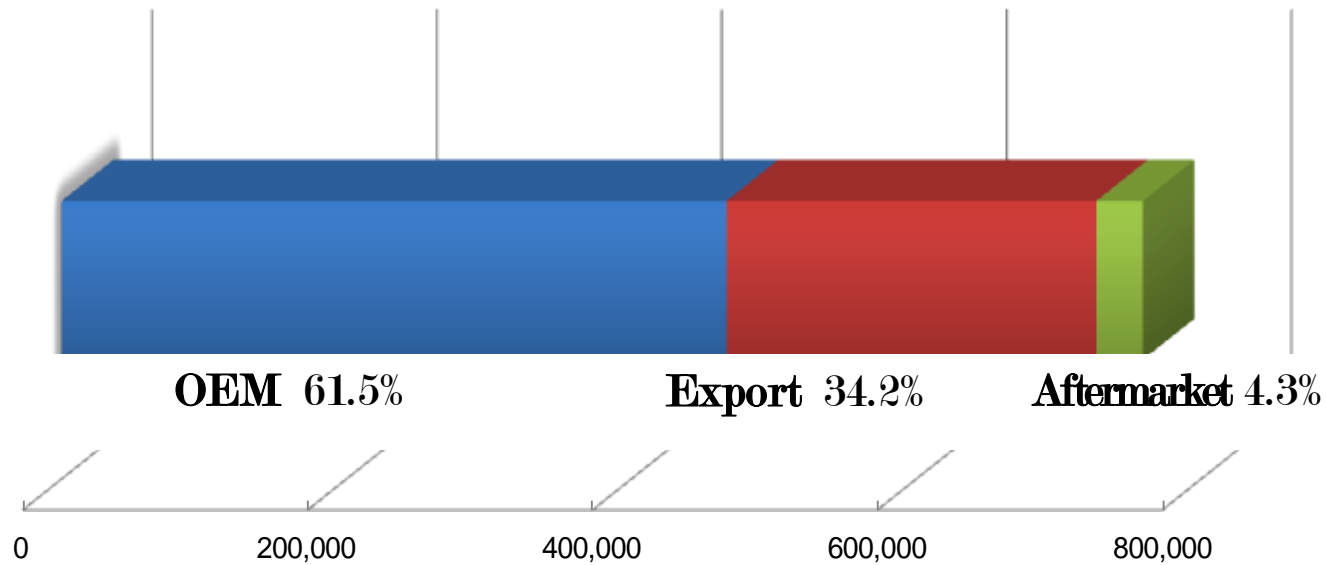
Specialized & Non-Specialized Company (2016)

(Units)

	Specialized Company	*Non-Specialized Company	Total
No. of Companies	819	39	858
No. of Employees	186,006	107,140	293,146

Remarks) Non-specialized companies include companies for electronics, batteries, tires, textiles, chemicals and so on.

Sales Volume (2016)



(Unit : Billion Korean Won)

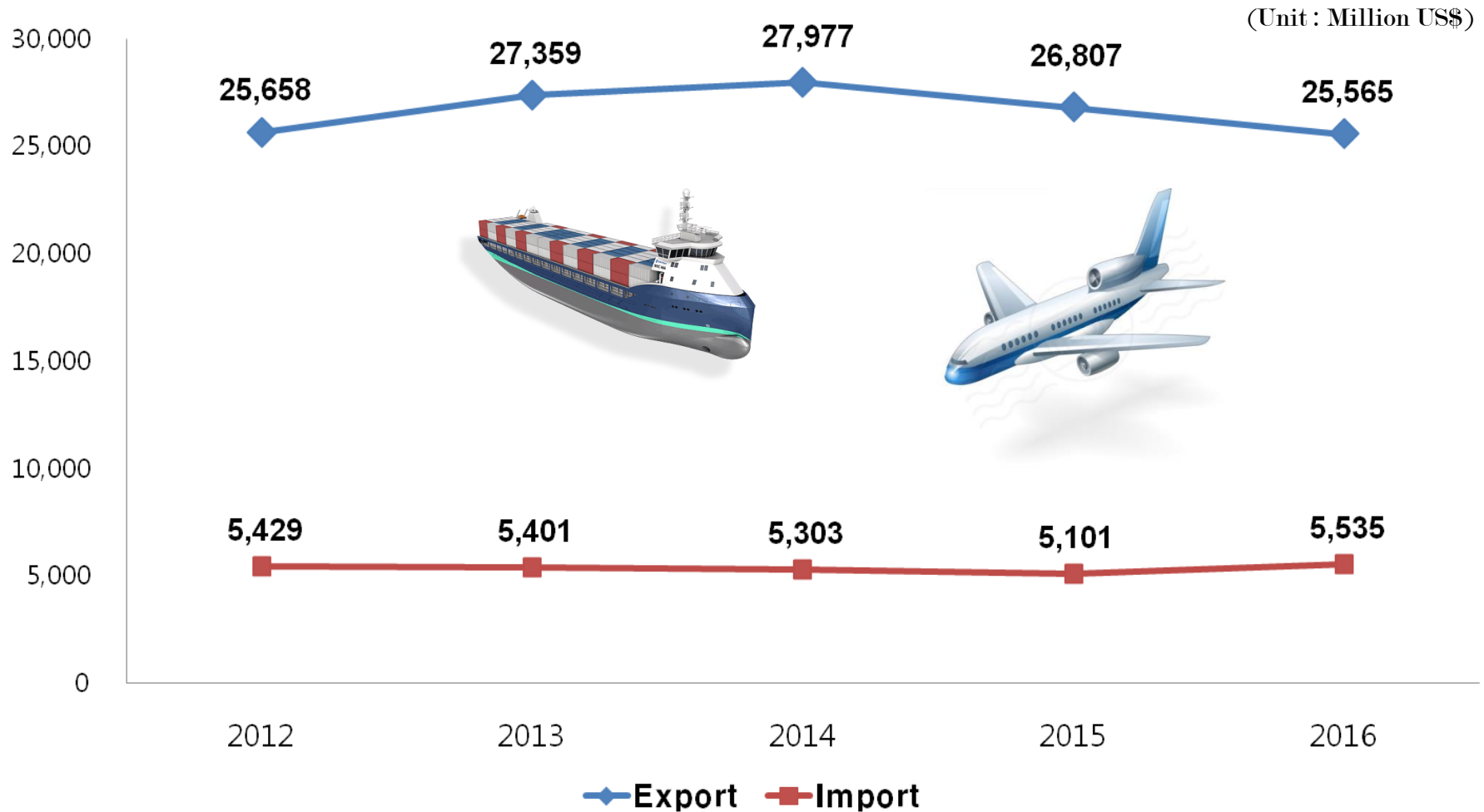
	OEM	Export	Aftermarket	Total
2016	46,678	25,951	3,268	75,897

The Amount of Supply & Domestic Turnover of Auto Makers (2016)

(Unit : Billion Korean Won)

Car Makers	Domestic Turnover of Car Makers (A)	Amount of Supply (B)	B / A (%)
Hyundai	41,714	20,131	48.3
Kia	31,642	16,772	53.0
GM Korea	12,234	5,227	42.7
Renault-Samsung	6,248	2,338	37.4
Ssangyong	3,626	1,645	45.4
Tata Daewoo	1,032	339	32.9
Zyle Daewoo Bus	434(e)	226	52.2
Total	96,930	46,678	48.2

Export & Import

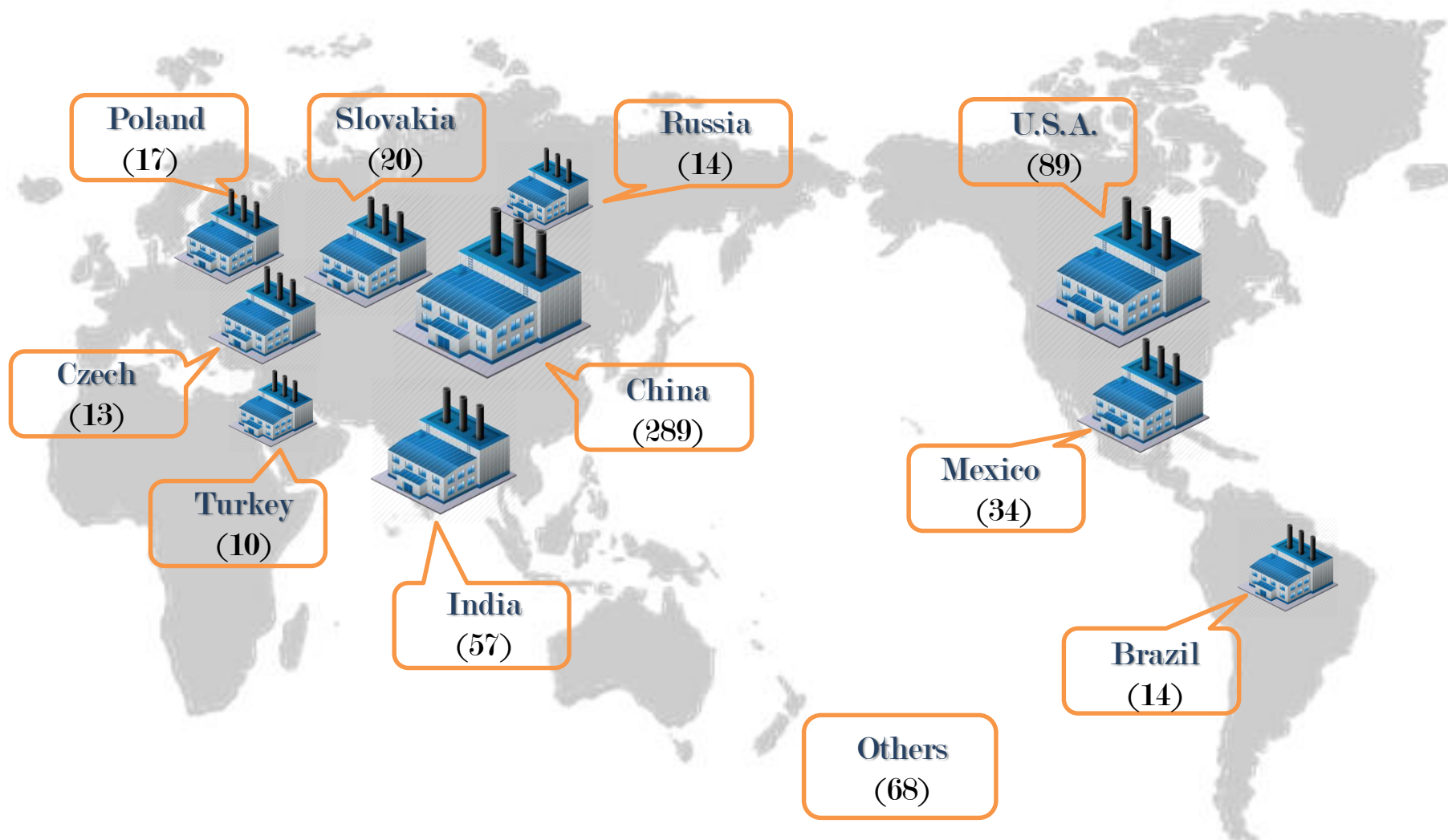


Top 10 Countries by Export (2016)



Number of Korean Auto-parts Plants in Overseas

(Units)



※ As of 2016, total 625 factories are operating in overseas (KAICA members only).
- Each supplier has average 3.7 plants.

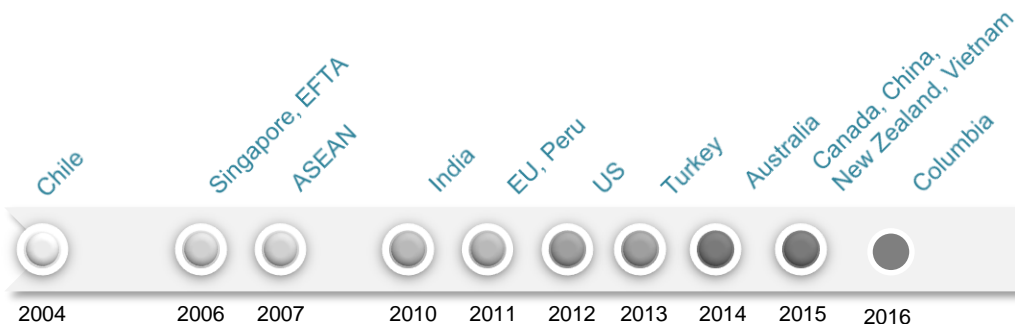
Global OEM Parts Suppliers

(Unit : Million US\$)

Rank	Company	Country	2016 Turnover (OEM only)	2015 Turnover (OEM only)	2015 Rank
1	BOSCH	Germany	46,500	44,825	1
2	ZF	Germany	38,465	29,518	5
3	MAGNA	Canada	36,445	32,134	3
4	DENSO	Japan	36,184	36,030	2
5	CONTINENTAL	Germany	32,680	31,480	4
6	AISIN	Japan	31,389	25,904	7
7	HYUNDAI MOBIS	Korea	27,207	26,262	6
8	FAURECIA	France	20,700	22,967	8
9	LEAR CORP	U.S.A.	18,558	18,211	10
10	VALEO SA	France	17,384	15,842	11
34	HYUNDAI WIA	Korea	7,043	7,480	29
46	MANDO	Korea	5,057	5,560	45
48	HYUNDAI POWERTECH	Korea	4,920	4,554	50
49	HANON SYSTEMS	Korea	4,915	4,912	-
56	HYUNDAI DYMOS	Korea	3,958	3,202	65

Source : Automotive News

Korea's Free Trade Agreements



FTAs in Effect (15)

- Korea-Chile FTA
- Korea-Singapore FTA
- Korea-EFTA FTA
- Korea-ASEAN FTA
- Korea-India CEPA
- Korea-EU FTA
- Korea-Peru FTA
- Korea-US FTA
- Korea-Turkey FTA
- Korea-Australia FTA
- Korea-Canada FTA
- Korea-China FTA
- Korea-New Zealand FTA
- Korea-Vietnam FTA
- Korea-Colombia FTA

FTAs Concluded (1)

- Korea-Central America FTA

FTAs under Negotiation (4)

- Korea-China-Japan FTA
- RCEP
- Korea-Ecuador FTA
- Korea-Israel FTA

FTAs Pending (4)

- Korea-Mexico FTA
- Korea-GCC FTA
- Korea-MERCOSUR FTA
- Korea-EAEU FTA