



Birthing Filipino Electrical Engineers for Global Competitiveness

A presentation

The AAPER Committee
Institute of Integrated Electrical
Engineers of the Philippines, Inc.



AAPER Committee

**defines the selection process,
sets standards**

based on mutually agreed and recognized qualifications and

continually advocates for professional development



Quo Vadis?

Migration of demand and supply of engineers within countries in the region

Quo Vadis?

List of Countries according to highest ratio of inward to outward migration of professionals within ASEAN

1. Brunei
2. Singapore
3. Cambodia
4. Thailand
5. Malaysia
6. Lao PDR
7. Indonesia
8. Vietnam
9. Philippines
10. Myanmar

Reversing the order means, countries where the ratio of professionals leaving, to search for greener pastures and more professional experiences, to professionals entering the country is high.

Member	Intra-ASEAN Migration		
	Outward	Inward	Ratio
Brunei	9,313	120,578	0.08
Cambodia	53,722	320,573	0.17
Indonesia	1,518,687	158,485	9.58
Lao PDR	82,788	10,134	8.17
Malaysia	1,195,566	1,882,987	0.63
Myanmar	321,100	814	394.47
Philippines	335,407	9,096	36.87
Singapore	122,254	1,162,960	0.11
Thailand	262,721	448,218	0.59
Vietnam	221,956	21,511	10.32
TOTAL	4,123,515	4,135,357	1.00

Notes: all data are based on data estimates of World Bank released in 2010, except that for Myanmar which are based on estimates for 2007. Source: Pasadilla (2007)

Member	Total Migration			Share of Intra to Total	
	Outward	Inward	Ratio	Outward (%)	Inward (%)
Brunei	24,343	148,123	0.16	38.26	81.40
Cambodia	350,485	335,829	1.04	15.33	95.46
Indonesia	2,504,297	397,124	6.31	60.64	39.91
Lao PDR	366,663	18,916	19.38	22.58	53.58
Malaysia	1,481,202	2,357,603	0.63	80.72	79.87
Myanmar	514,667	98,008	5.25	62.39	0.83
Philippines	4,275,612	435,423	9.82	7.84	2.09
Singapore	297,234	1,966,865	0.15	41.13	59.13
Thailand	811,123	1,157,263	0.7	32.39	38.73
Vietnam	2,226,401	69,307	32.12	9.97	31.04
TOTAL	12,852,027	6,984,461	1.84	32.08	59.21

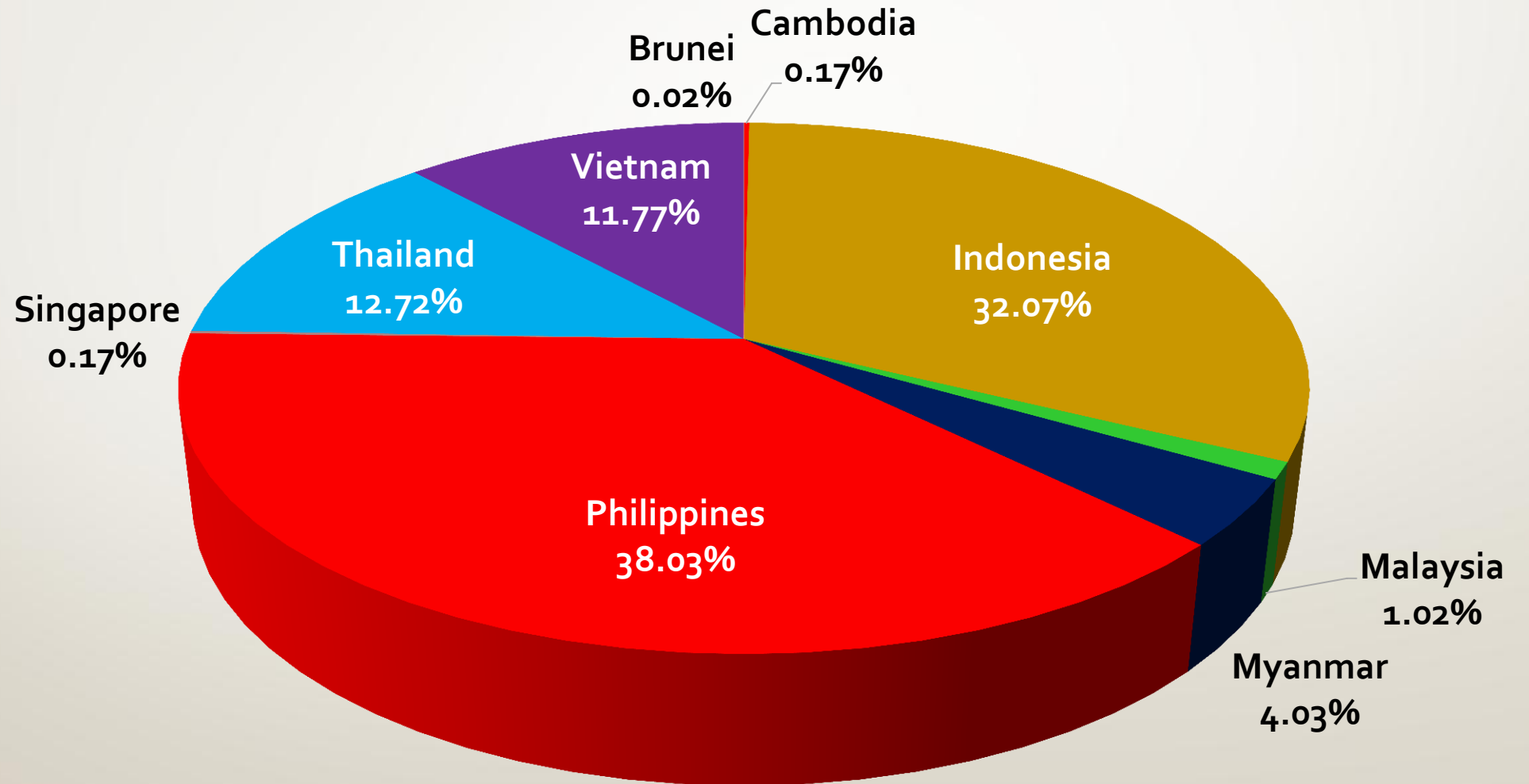


*The
Registries*

- APEC
- ASEAN
- ACPE

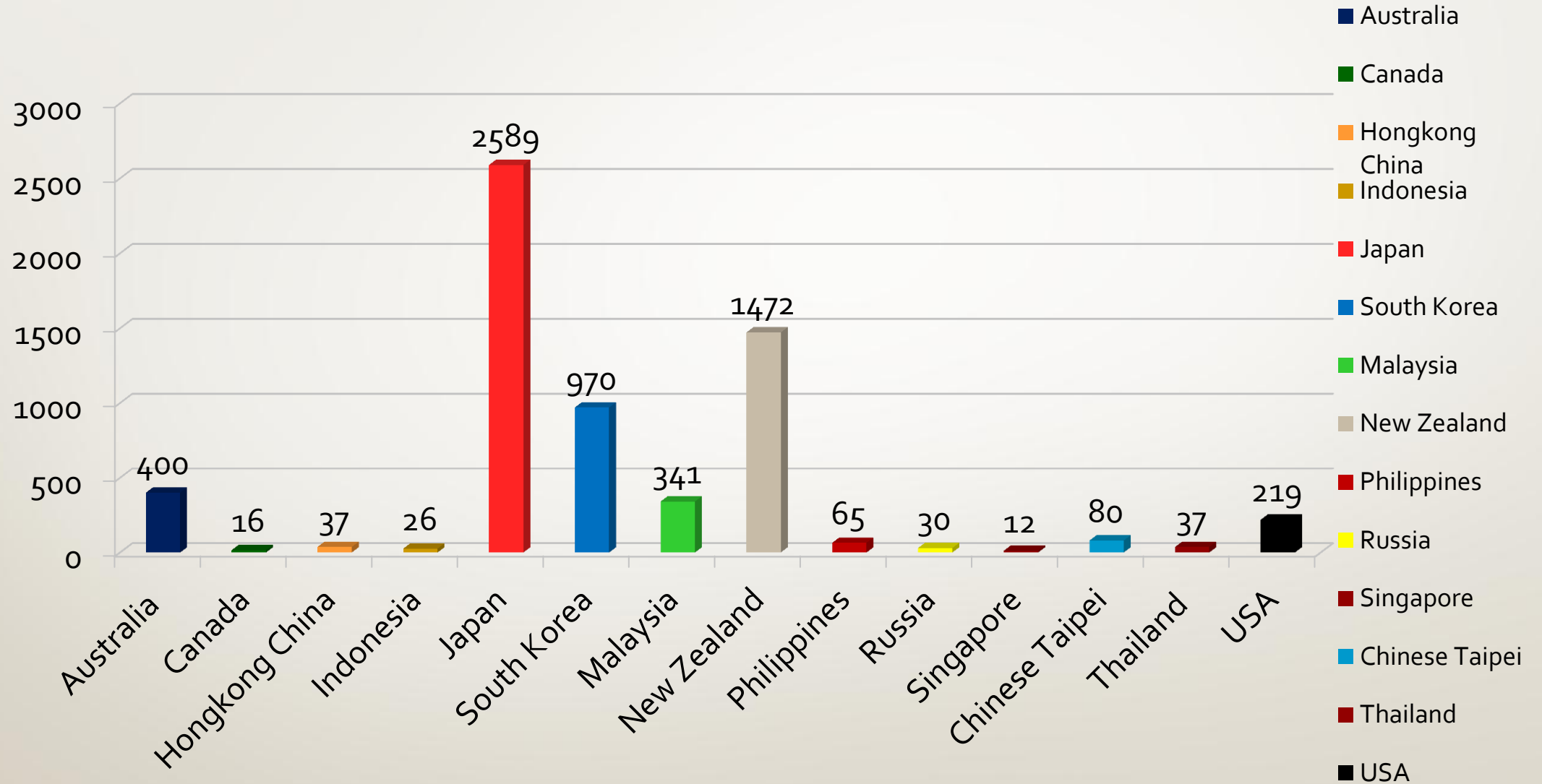
Registered Engineers in the ASEAN Region (May 2015)

total ~ 1.1



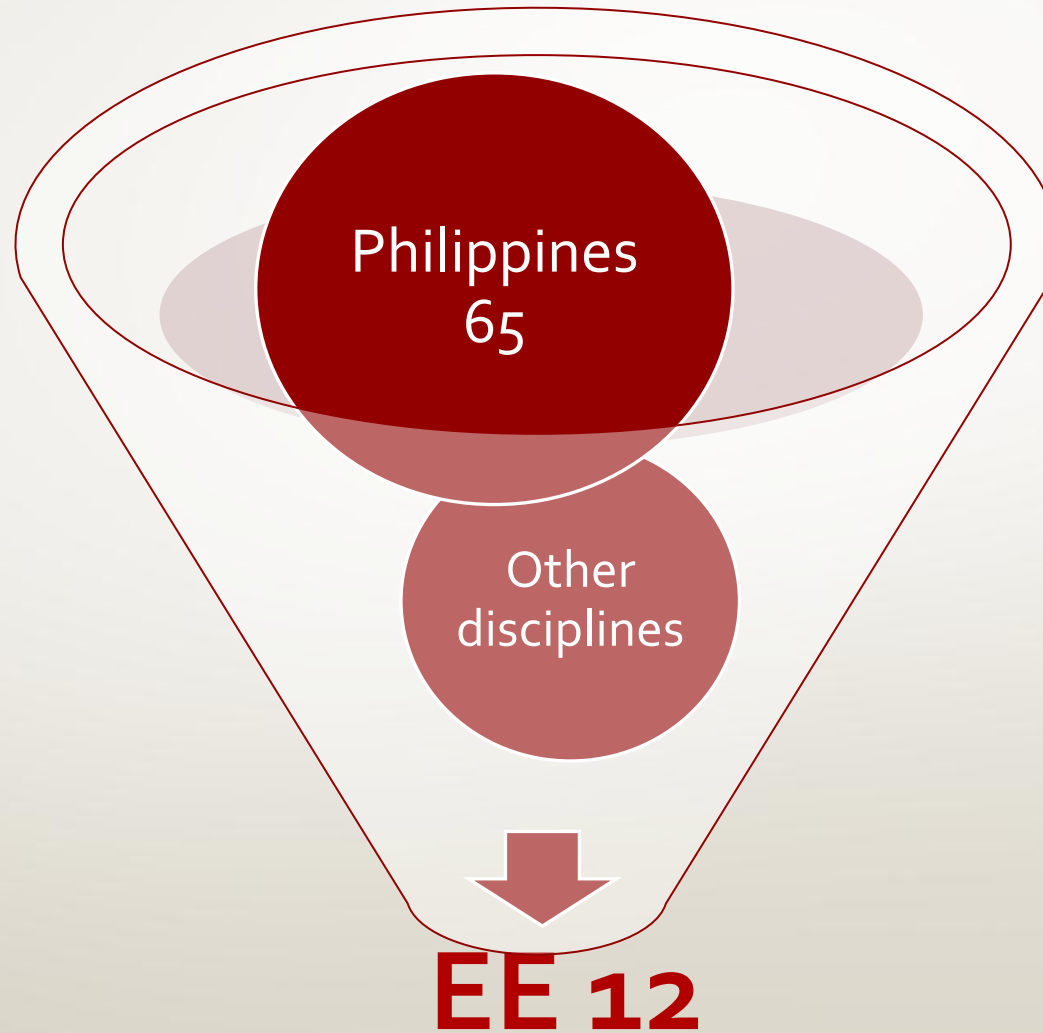
Registered APEC Engineers as of 2015

Total = 6296



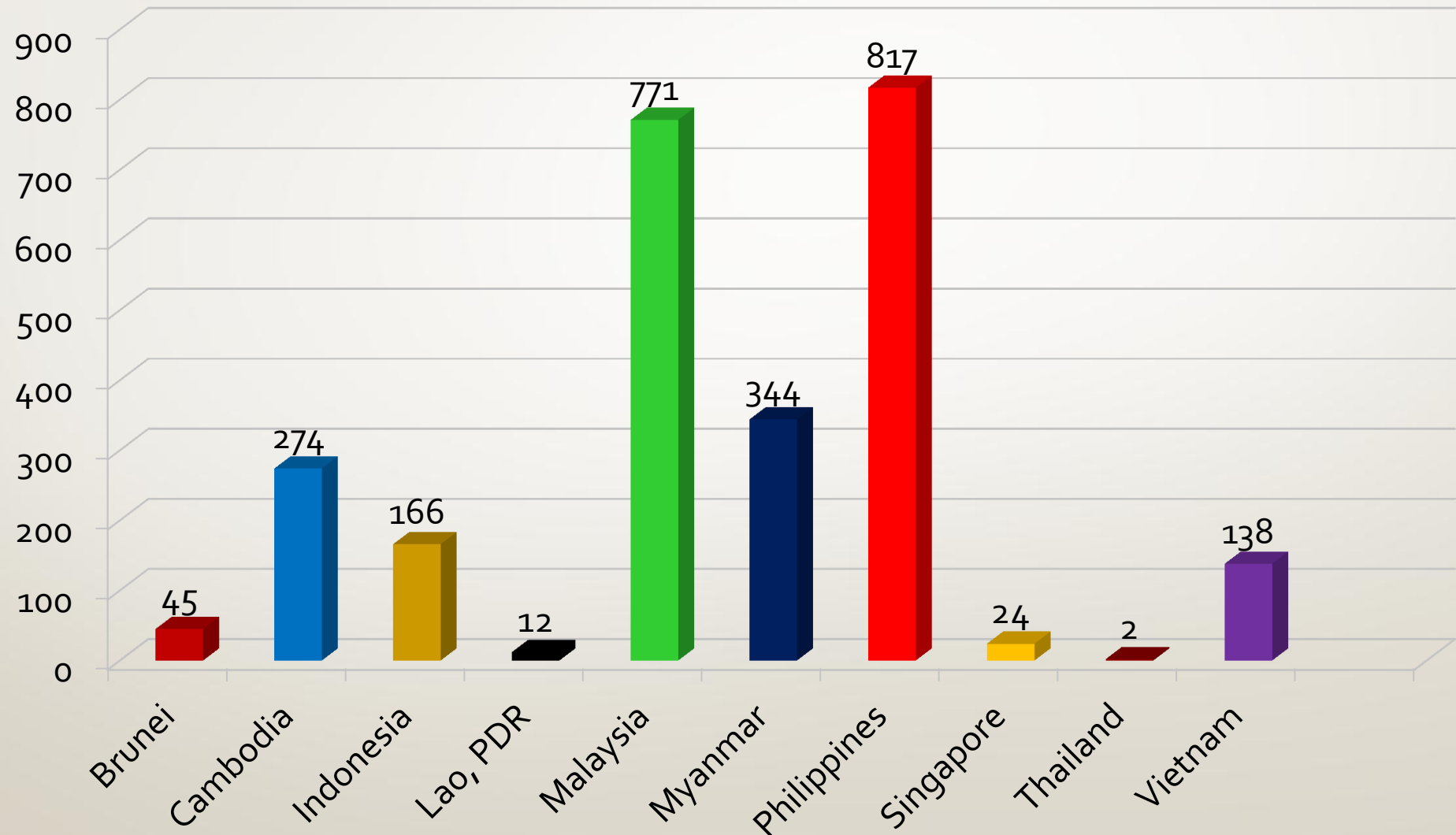
APEC Engineers

6296

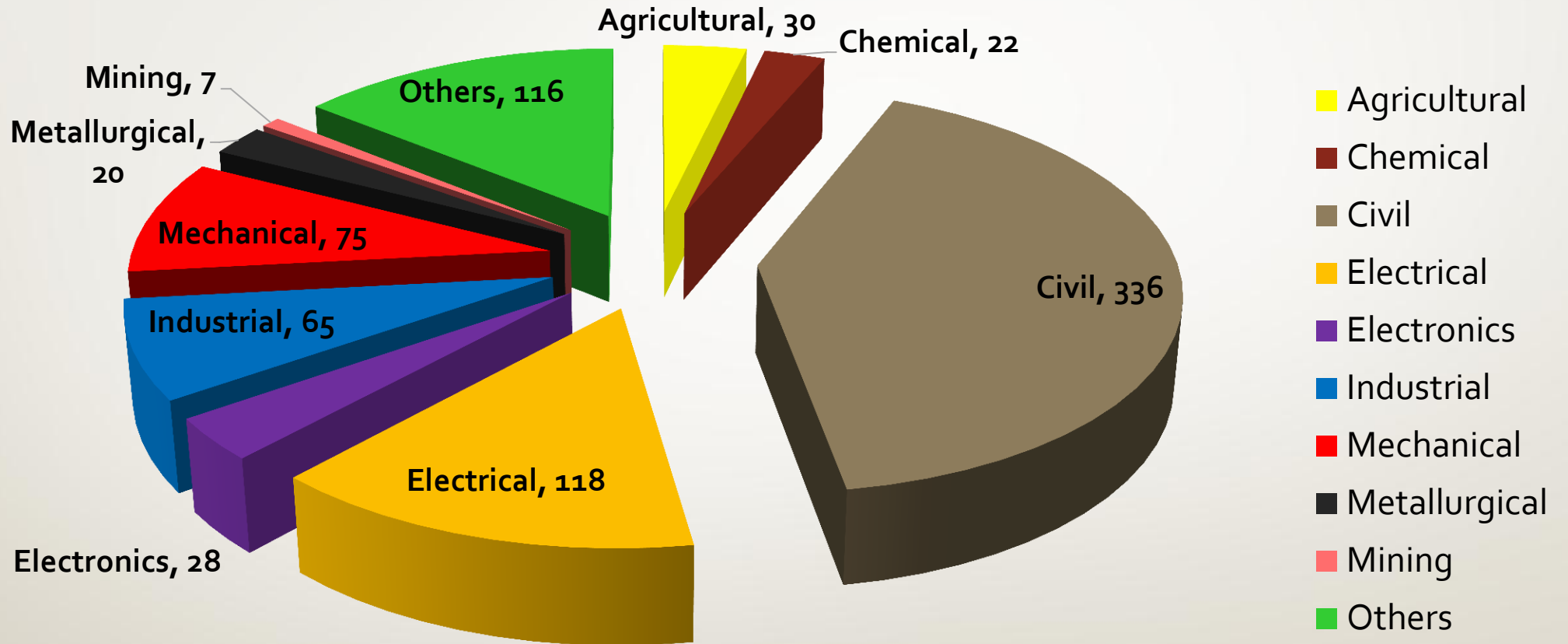


ASEAN Registered Engineers (AERs) as of December 2016

Total =2593



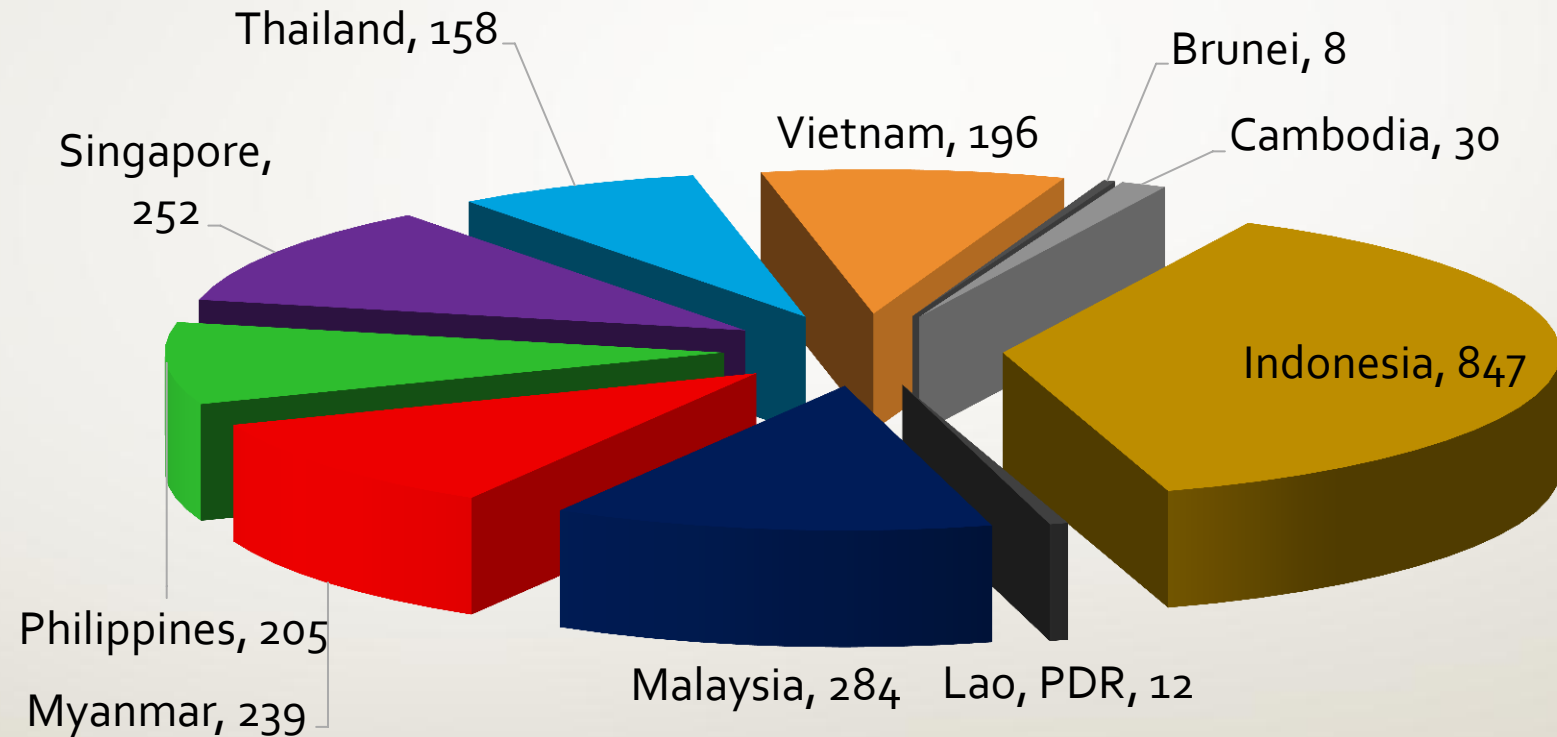
Distribution of Philippine ASEAN Engineers (AERs) by discipline as of December 2016



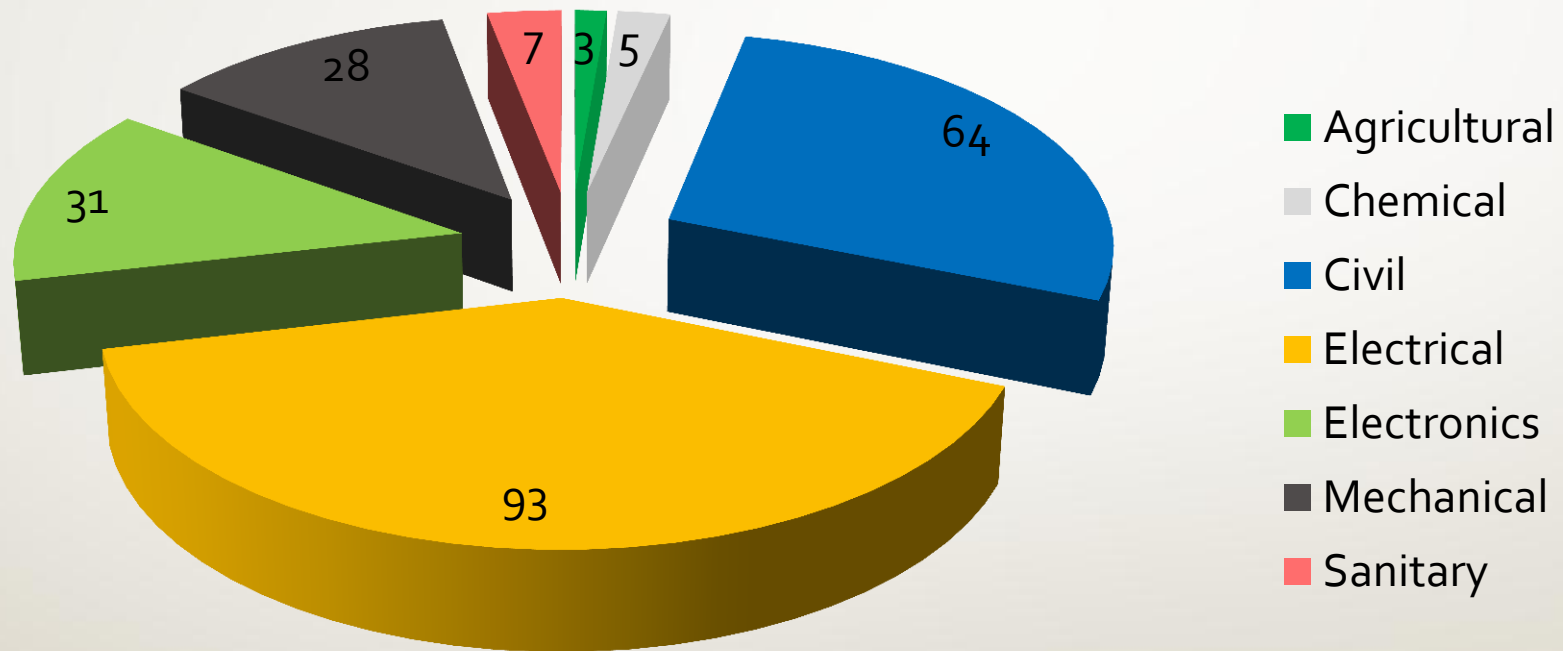
ASEAN Engineers = 817

Distribution of ACP Engineers as of December 2016

ASEAN Chartered Professional Engineers, 2231



Distribution of Philippine ACPEs by discipline as of December 2016



ACPEs = 205

STATUS OF REGISTERED FOREIGN PROFESSIONAL ENGINEER REGISTER



STATUS OF REGISTERED FOREIGN PE

Home Country	Host Country											
	Brunei	Cambodia	Indonesia	Lao	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Total	
Brunei												
Cambodia												
Indonesia												
Lao PDR												
Malaysia								1				1
Myanmar												
Philippines					1			1				2
Singapore					4							4
Thailand					1							1
Viet Nam												
Total					6			2				8

TESTIMONIES FROM ACPE AND RFPE

"Obtaining the RFPE status has given me the flexibility to go beyond Singapore and practice in Malaysia. This approach will bring about higher quality of engineering service through exchange of knowledge and experience."

Chong Kee Sen – ACPE (Singapore), RFPE (Malaysia)

Source: A Blueprint for Growth - ASEAN Economic Community 2015: Progress and Key Achievements, The ASEAN Secretariat, Jakarta

TESTIMONIES FROM ACPE AND RFPE

"The MRA and ACPE afford me the required recognition to carry out my tasks more effectively. Being an RFPE further encourages collaboration with host country engineers to provide compatible services to clients."

Yee Yew Weng – ACPE (Malaysia), RFPE (Singapore)

Source: A Blueprint for Growth - ASEAN Economic Community 2015: Progress and Key Achievements, The ASEAN Secretariat, Jakarta

TESTIMONIES FROM ACPE AND RFPE




ENGR. LEANDRO A. CONTI

ACPE (Philippines)

RFPE (Singapore)

RFPE (Malaysia)

"After becoming an RFPE in Singapore and Malaysia, I have more confidence to work in other AMS, especially to collaborate with engineers in other AMS."



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Electrical Engineers
for Global
Competitiveness
.....through IIEE