

APEX 泰鼎

Sam Wu, CSO



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Company Profile

Founded: 2001.09.27

Listed: 2011.10.18 in OTC

2015.09.08 in TSE

Capital: NTD1.89Bn (as of Mar., 2020)

Market Cap: NTD8.9Bn (as of Mar., 2020)

Chairman: Woody Wang

CEO: Bill Chou

Products: Printed Circuit Boards

Ground Area: 148,680 M²

Apex 1: 35,000 M², Apex 2: 105,000 M²

Apex S: 8,680 M² (obtained in 2020)

Employees: 6,687 (as of March, 2020)

Physical Lab: R&D Center, in-house testing Lab in 2019





Production Capacity: (monthly)



Plant	Dec. 31 2019	Jan. 1, 2020	Apr. 1, 2020	Jul. 1, 2020	Future
APEX 1	250,000 m ²	250,000 m ²	280,000m ²	280,000m ²	280,000m ²
APEX 2	250,000m ²	250,000m ²	250,000m ²	300,000m ²	300,000m ²
APEX S	n. a.	100,000m ²	100,000m ²	170,000m ²	170,000m ²
APEX 3	n. a.	n. a.	n. a.	n. a.	250,000m ²
	500,000m ²	600,000m ²	630,000m ²	750,000m ²	1,000,000m ²



APEX 3 Expansion Plan: Jan., 2020 to Q3, 2021



APEX2 Land Area : 105,000 m²

■ Apex 2 Phase 1 = 18,095 m²
111m(L) x 163m(W)
Capacity: 340,000 m²/Month
MP Q3 '2020

■ Apex 3 Phase 2 = 7,920 m²
120m(L) x 66m(W)
Capacity: 250,000 m²/Month
MP 2021: Automotive + HDI

■ TBC: Future plan



Advantages



Excellent Management

- ◆ Centralized sale and procurement



Integrated Total Solution

- ◆ All manufacturing processes in-house



Cost Control

- ◆ Efficient cost control



Hitachi/冰箱(67%)/洗衣機(30%)
Bangrak

Panasonic/Car Audio(15%)/冰箱(21%)/洗衣機(9.5%)
Huaykwang

Kawasaki/電動機車 才華光(28%)

Electrolux/洗衣機(23%) Bangrak

WD/HDD
Navanakorn(47.1%)

ORION/LCD TV
Korat (100%)

Samsung/LCD TV(6%)/冰箱(13%)/洗衣機(14%)
空提縣

LG/LCD TV /洗衣機(12%)
空堤縣

Seagate/HDD
Korat (42.0%)

Seagate/HDD
Teparuk (42.0%)

Toshiba/冷氣(80%)/冰箱(73%)/洗衣機(22%)
乍都節

Honda/電動機車
Lat Krabang (10%)

Sharp/冷氣(35%)/冰箱(33%)/洗衣機(28%)
Bangrak

Yamaha/電動機車
Bangsao(10%)

Daikin/冷氣
chonburi (34%)

三菱電機/冷氣(63%)/冰箱(73%)
chonburi

Suzuki/電動機車
Bangsao(5%)

宗申/電動機車
Bangsao(10%)

Nikon/數位單眼
Sathorn (84%)

Sony/car aduio(78%), 數位單眼(88%)
Huaykwang (78%)

Pioneer/car aduio
Huaykwang (39%)

Fujitsu/car aduio(20%), 冷氣(44%)
Klongtoey

船井/Lcd tv(36%)
Nakhon Ratchasima

註:()代表該產品在泰國生產量佔其全球生產量比重
紅色字體表重要之產業

產業科技國際策略發展所 資料來源：富士總研；TPCA;工研院產科國際所

Advantages

近年國際大廠布局以汽車為主

Schaeffler

設廠位置:春武里府
設廠內容:2016年投資2.4億美元生產汽車變速器零組件，供貨給Honda、Mitsubishi、GM、Toyota等車廠

愛知製鋼

設廠位置:春武里府
設廠內容:投資2億美元設廠，生產變速箱，供貨給Toyota、Hino、JATH等汽車廠商

DENSO

設廠位置:春武里府
設廠內容:2017年投資7,000萬美元建置電動馬達零組件產線，供貨給Nissan、Honda、Mitsubishi、Toyota等車廠

Continental

設廠位置:羅勇府
設廠內容:2017年投資3億美元，預訂2019年開始生產汽車輪胎



產業科技國際策略發展所 資料來源：產科國際所機械組



Global Presence



Valuable Customers



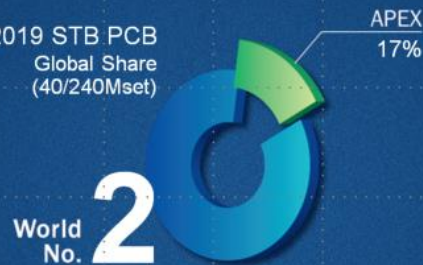


World-Class PCB Partners

2019 TV PCB
Global Share
(43/223Mset)



2019 STB PCB
Global Share
(40/240Mset)



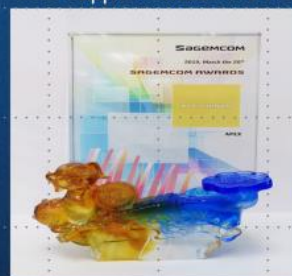
2019 Printer PCB
Global Share
(26/94Mset)



Samsung VD
VD Global Partner in 2019



Sagemcom
Best Supplier Awards in 2019



Canon Hi-Tech
Best Supplier Awards in 2019



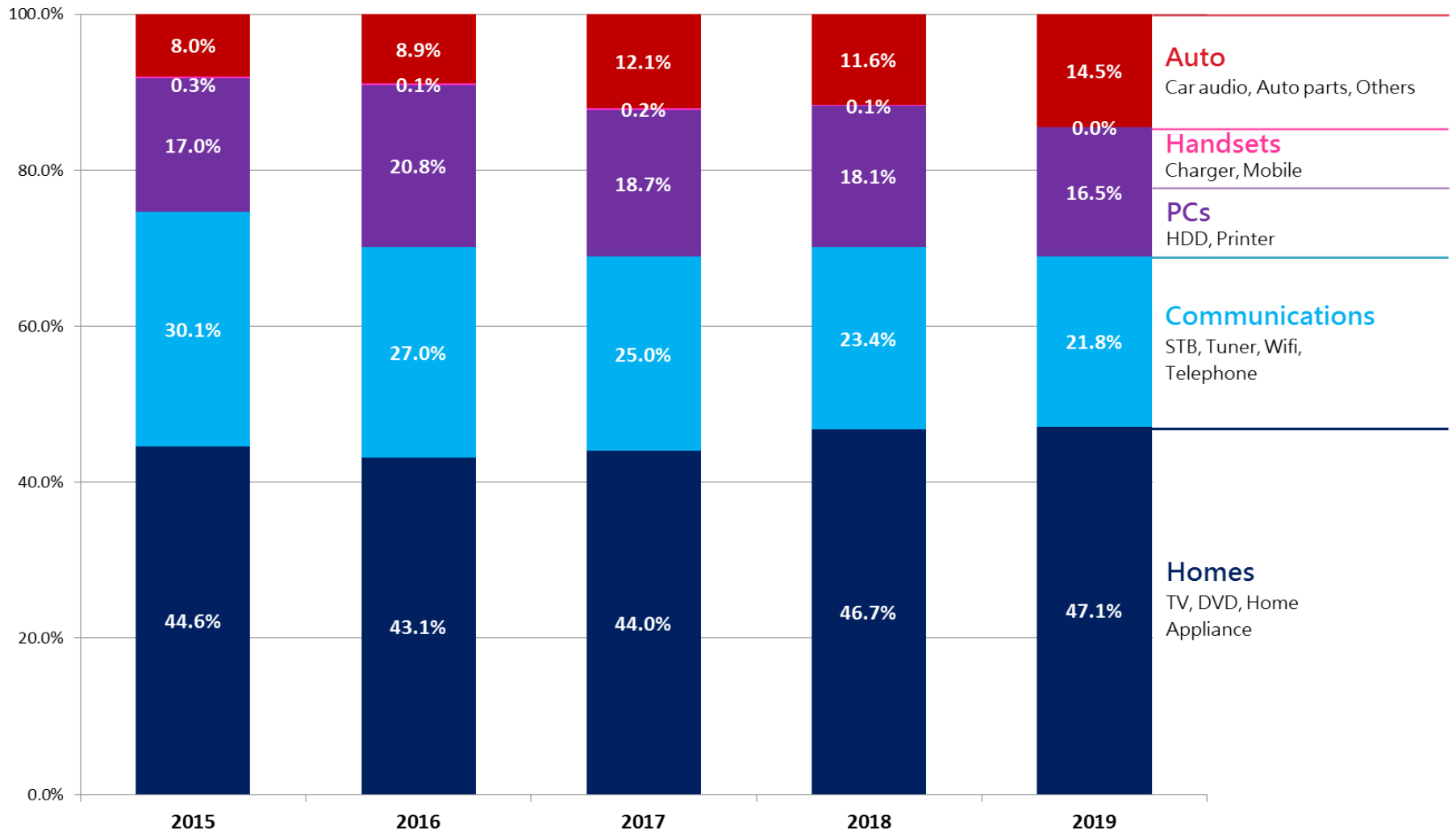


Best Supplier Awards



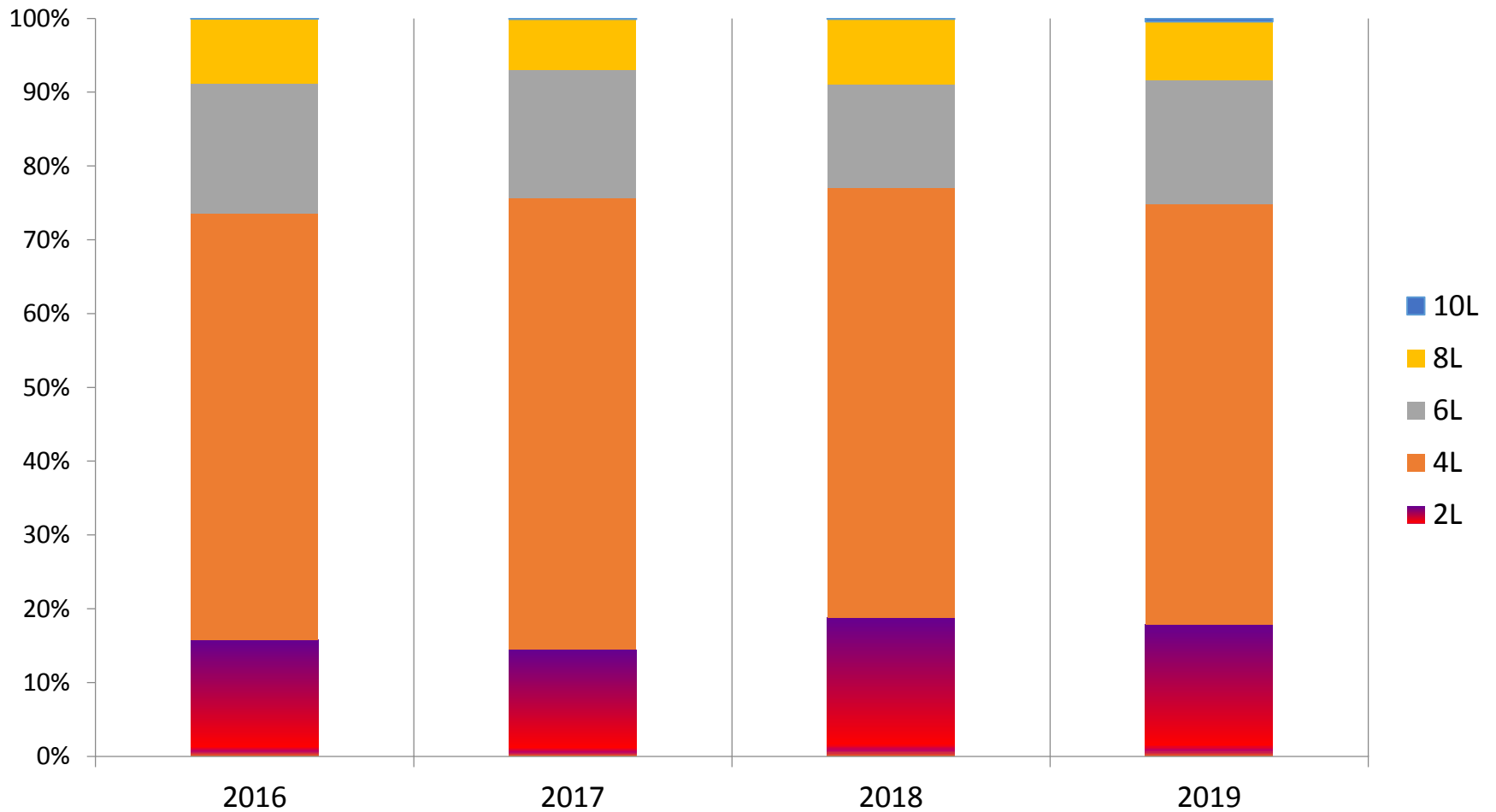


End Products



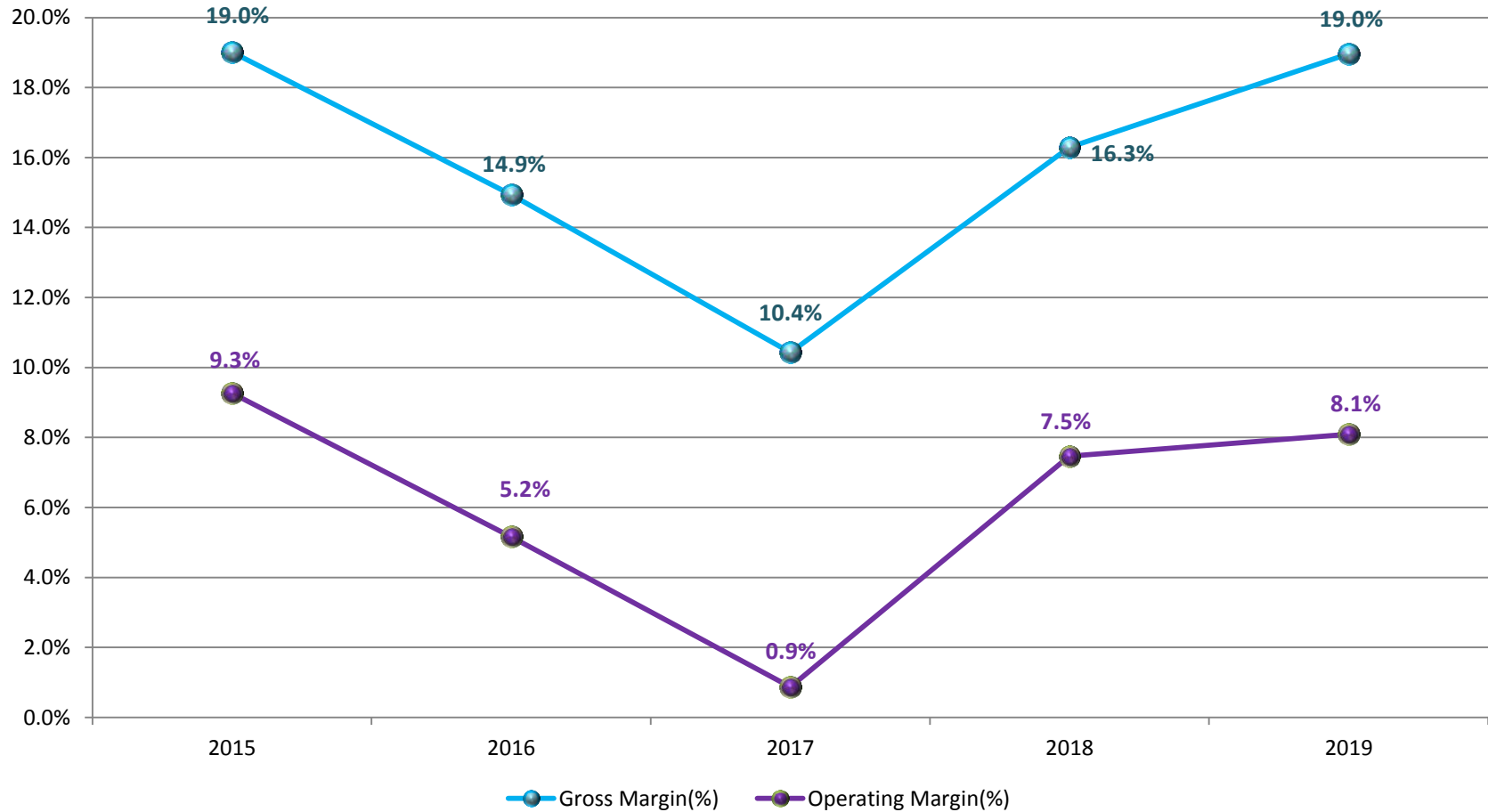


Layer Count



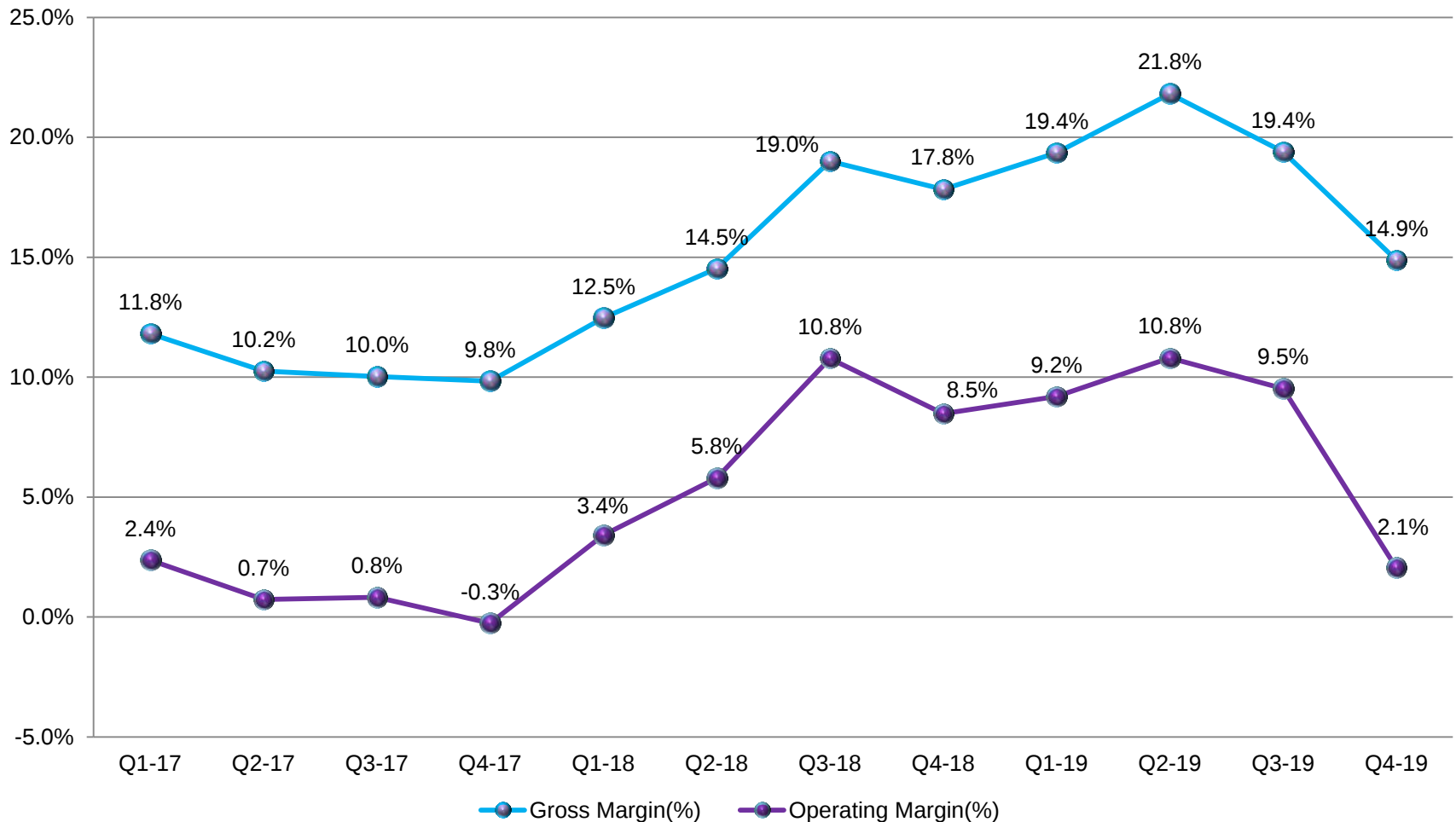


Gross & Operating Margin: 2014~2019 by Year



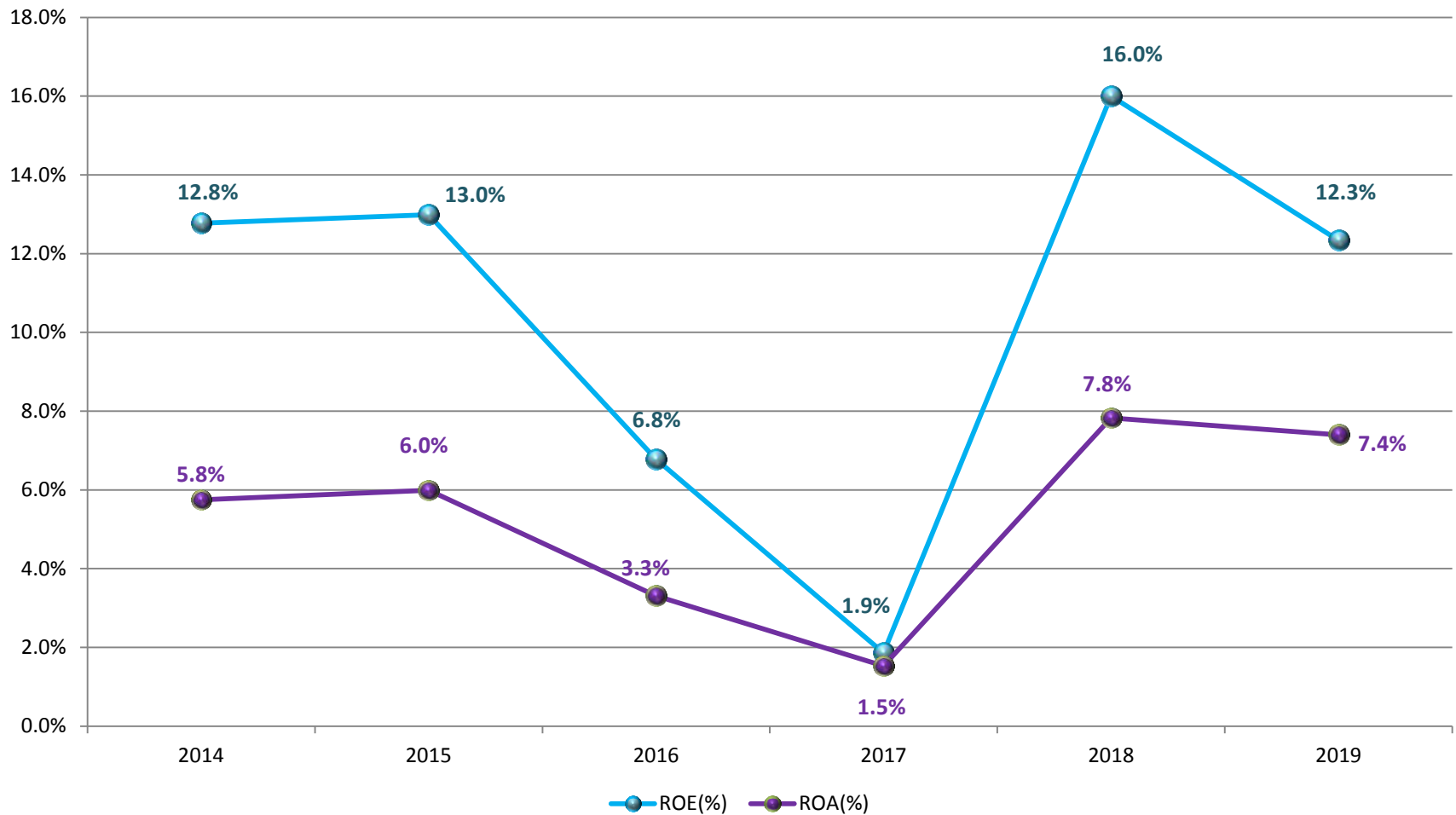


Gross & Operating Margin: 2014~2019 by Quarter



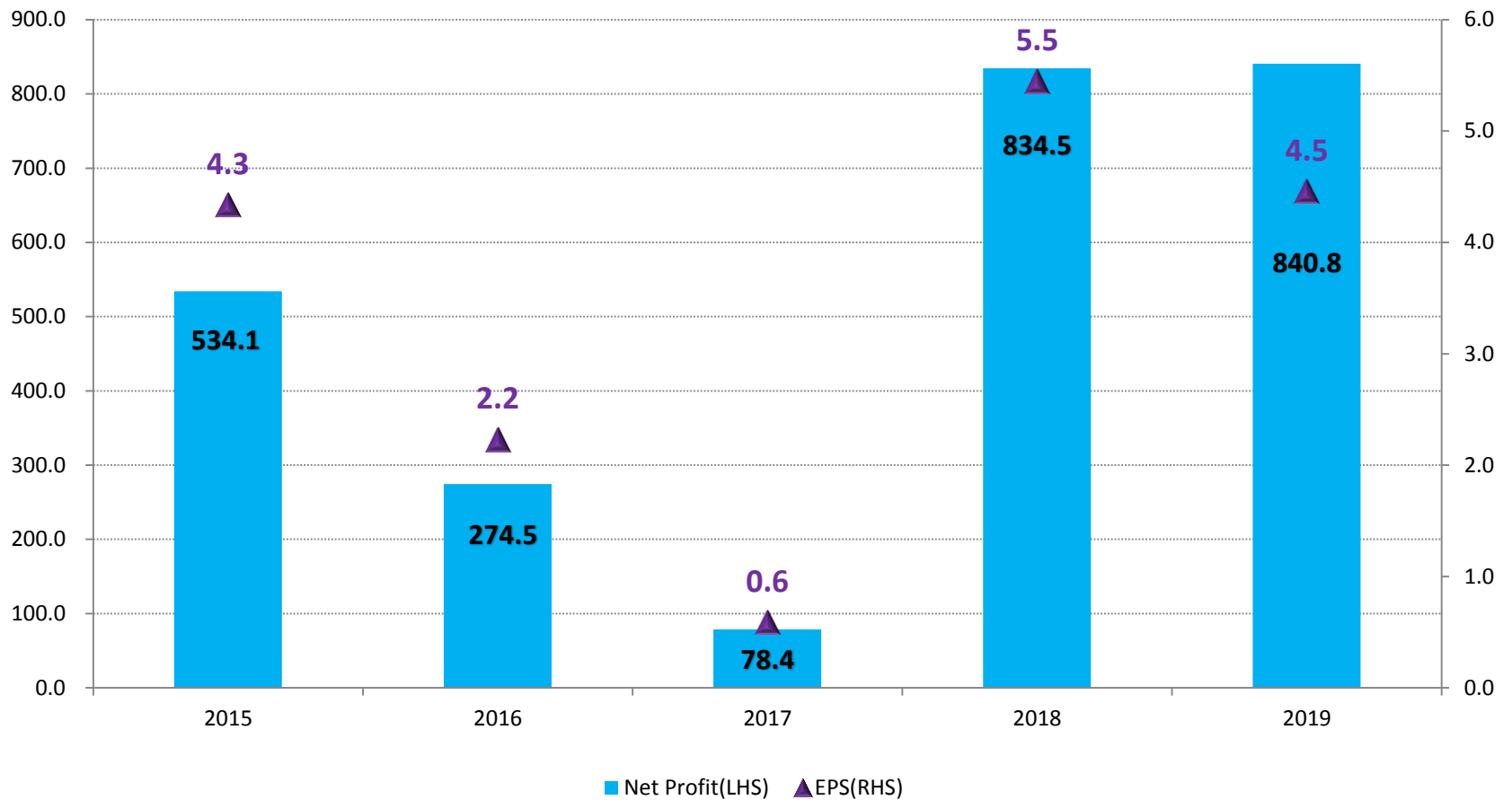


ROE and ROA: 2014~2019





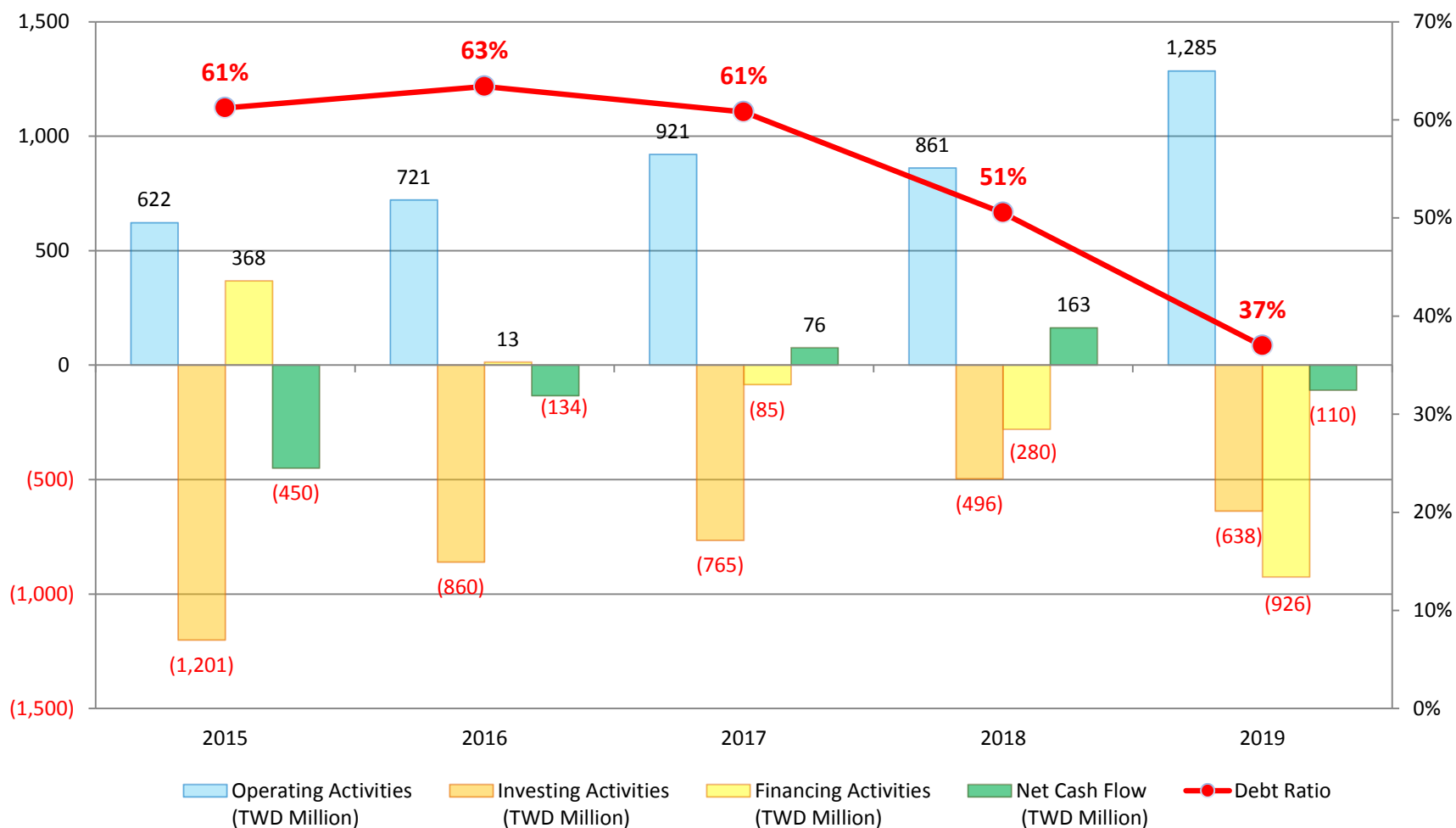
Net Profit and EPS



*Based on weighted shares of 185.5 million as of 2019



Improving Cash flow and Financial Structure





Dividend Policy

Year	Cash Dividend	Stock Dividend	EPS	AGM Date
2019	3.00*	-	4.46	June 10
2018	2.46	-	5.45	June 5
2017	0.00	-	0.59	June 15
2016	0.78	0.32	2.23	June 15
2015	2.50	-	4.34	June 15
2014	2.50	-	4.06	June 2
2013	1.85	-	3.70	June 25

*Based on fully-diluted shares

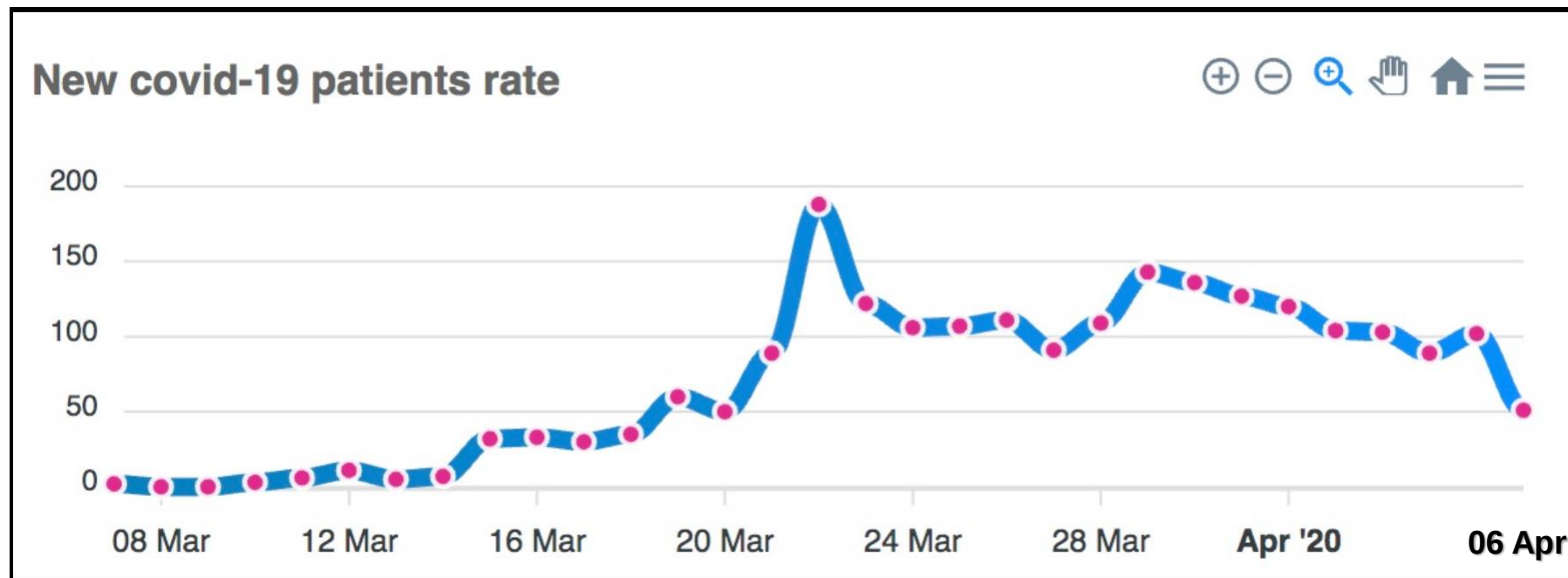


Apex Fighting Covid-19

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泰國政府為控制新冠肺炎疫情，已發布命令已於4月3日開始實施宵禁，宵禁時間為每日晚上10點至隔日早上4點。本公司平時接送員工上下班時段分別為早上6點半至7點半，及晚上8點半至9點半，未與宵禁時間衝突，故對泰鼎營運無造成影響。

截至4/6泰國Covid-19每日確診人數(4/6: 51人)





APEX Against Covid-19

Phase 1 : Started 24 Jan 2020

- 1) Announcement of Covid-19 precautionary measures follow "Ministry of Public Health" information to all employees.
- 2) Monitor and body temperature check, proper face mask usage and hand washing method
- 3) Install the alcohol-based hand washing points in public areas in factory
- 4) Abnormal case action
- 5) Set up Emergency Responsibility Team
- 6) Stock for Covid-19 preventive equipments to cover 3 months usage
- 7) Daily Reporting to management team



APEX Against Covid-19: Phase 1



1) Announcement of Covid-19 precautionary measures follow "Ministry of Public Health" information to all employees.



2) Temperature card tracking for all employees who come from aboard country, properly hand-washing and face mask regulation for 14 days period.



3) Install the alcohol-based hand washing points in public areas in factory



4) Abnormal case action



5) Set up Emergency Responsibility team



6) Stock for Covid-19 preventive equipments to cover 3 months usage

Carson Virus Preventive Policy Result Report @ Apex 1 and Apex 2

Date	Type	Plan B.Y	Actual	Remark
01/05/2020	Hand Washing	81	81	0
	Temperature	0	0	0
	Temperature	0	0	0
	Temperature	0	0	0
01/05/2020	Temperature	87	87	0
	Temperature	0	0	0
	Temperature	0	0	0
	Temperature	0	0	0
Total		76	76	0

7) Daily reporting to management team

All process action cover
 - Apex 1: SamutSakhon Industrial Estate
 - Apex 2: Sin-Sakhon Industrial Estate
 - Apex 3: Shye Feng Enterprise





APEX Against Covid-19

Phase 2 : Started 05 Mar 2020

- 1) Announcement to strengthen the company precautionary measure and control in the 2nd stage of Covid-19 to all employees.
- 2) The visitors/vendors must show the medical certificate issued by the physician to before entering the company.
- 3) The visitors/vendors must fill in the interview form of Covid-19.
- 4) Temperature card tracking for all employees and visitors who come from abroad country and properly hand-washing, face mask regulation for 14 days period.
- 5) Safety Department to conduct random audit (5,000THB fine if violation).
- 6) Set the canteen controlled area for Chinese vendors.
- 7) Set the controlled area for the visitors and install additional alcohol-based hand washing points.



Against Covid-19: Phase 2



1) Announcement to strengthen the company precautionary measure and control in the 2nd stage of Covid-19 to all employees



2) The visitors/vendors/employees must show the medical certificate tested for Covid-19 before entering the company.



3) The visitors/vendors must fill in the interview form of Covid-19.



4) Temperature card tracking for all employees and visitors who come from abroad country and proper hand-washing , face mask regulation for 14 days period.



5) Safety Department randomly conduct the audit(5,000THB fine if violation).



6) Set the canteen controlled area for Chinese vendors.



7) Set the controlled area for the visitors and install additional alcohol-based hand washing points.

All process action cover
 - Apex 1: SamutSakhon Industrial Estate
 - Apex 2: Sin-Sakhon Industrial Estate
 - Apex S: Shye Feng Enterprise



APEX Against Covid-19: Phase 2



1) Announcement to strengthen the company precautionary measure and control in the 2nd stage of Covid-19 to all employees



2) The visitors/vendors/employees must show the medical certificate tested for Covid-19 before entering the company.



3) The visitors/vendors must fill in the interview form of Covid-19.



4) Temperature card tracking for all employees and visitors who come from abroad country and proper hand-washing , face mask regulation for 14 days period.



5) Safety Department randomly conduct the audit(5,000THB fine if violation).



6) Set the canteen controlled area for Chinese vendors.



7) Set the controlled area for the visitors and install additional alcohol-based hand washing points.

All process action cover
 - Apex 1: SamutSakhon Industrial Estate
 - Apex 2: Sin-Sakhon Industrial Estate
 - Apex S: Shye Feng Enterprise



Against Covid-19:

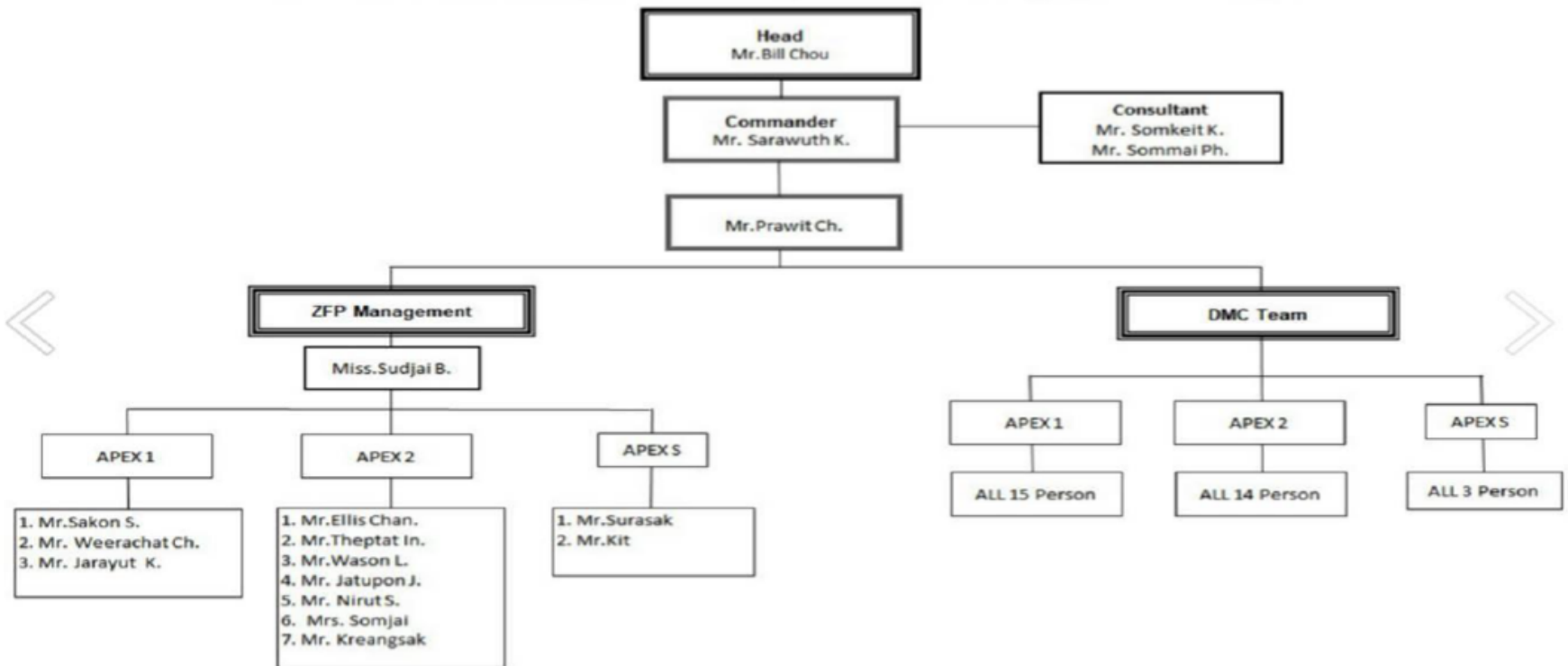
Phase 2.5 : Started 16 Mar 2020

- 1) Announcement to strengthen the company precautionary measure and control in the 2.5nd stage of Covid-19 to all employees
- 2) The visitors/vendors/employees must bring the medical certificate tested for Covid-19 to show before entering the company.
- 3) Temperature card tracking for all employees and Vendors who come from abroad country in the production line, proper hand-washing and face mask regulation for 20 days period.
- 4) Temporary yellow card for visitors/vendors to stay in the control area (do not go to the production line).
- 5) Set the Apex Protect Covid-19 (APC-19) committee to be responsible for Covid-19 preventive activity.



APEX Against Covid-19: Phase 2.5

APEX Protect Covid-19 (APC-19) Committee Organization Chart



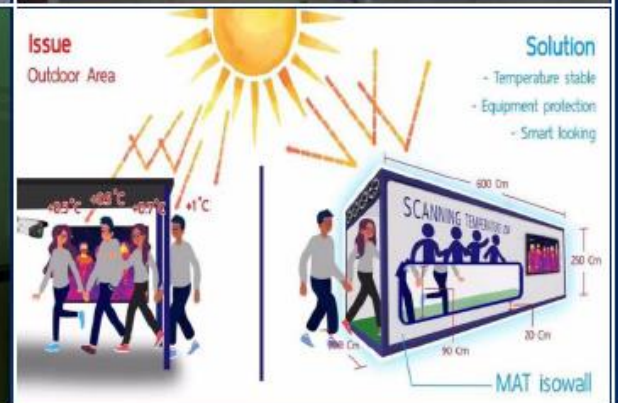
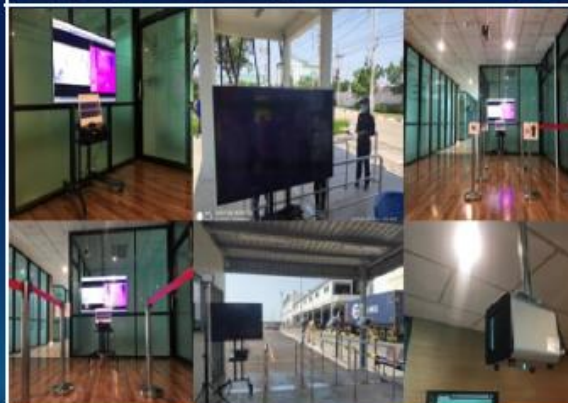


APEX Against Covid-19: Phase 2.5





APEX Against Covid-19: Phase 2.5

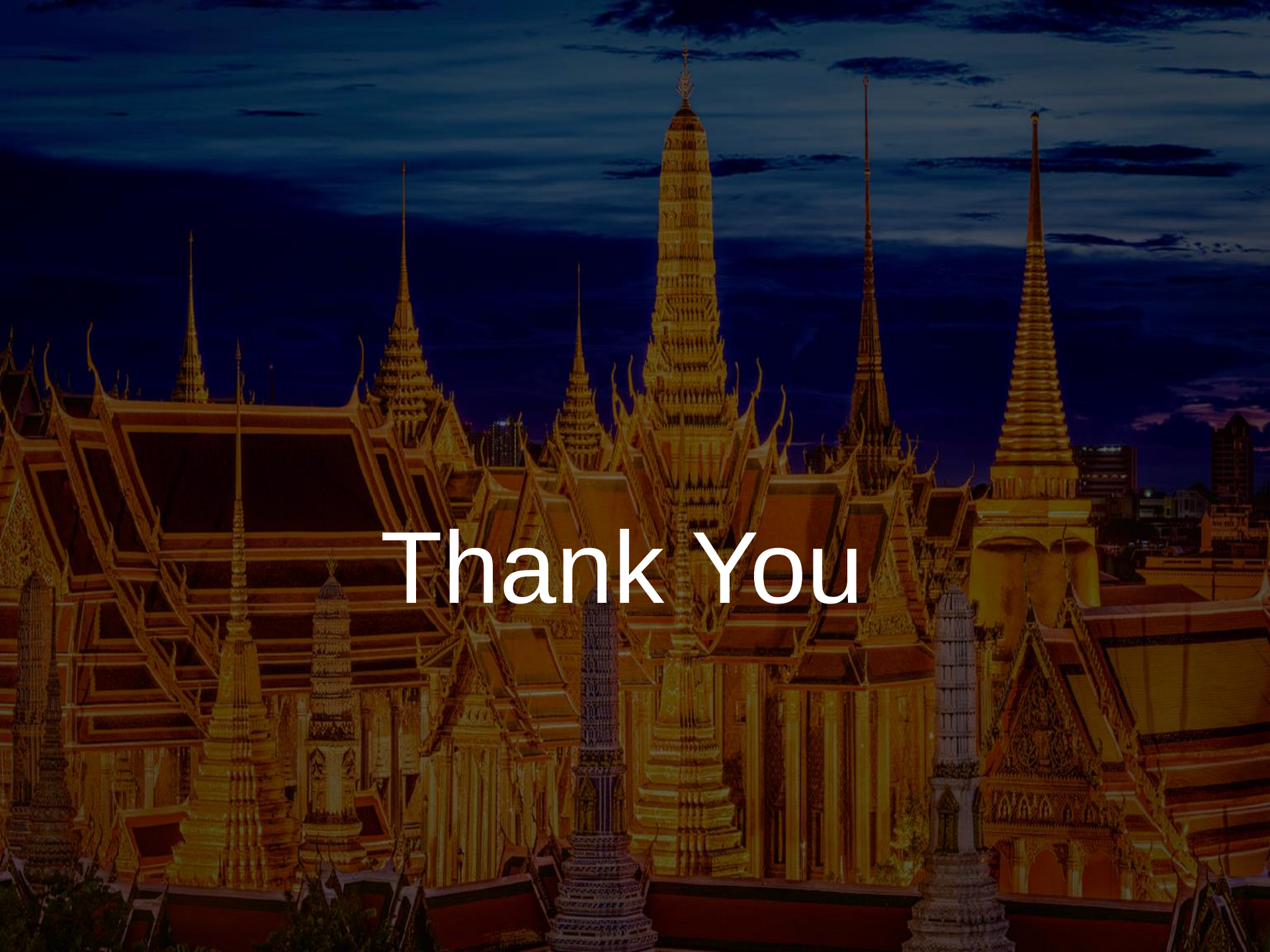




Against Covid-19: Phase 2.5

Apex will protect all of our employees including their families (6,500 + 21,500 pieces).



A photograph of a large, ornate golden temple complex, likely the Wat Phnom in Phnom Penh, Cambodia, at night. The temple's intricate architecture, featuring multiple tiers and sharp, flame-like spires, is brilliantly lit with warm golden light. The background is a deep, dark blue night sky with some light clouds. The overall scene conveys a sense of grandeur and spiritual significance.

Thank You