



**SUNPLUS**

[www.sunplus.com](http://www.sunplus.com)

# 2Q 2018 Investor Conference

**August 13, 2018**

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Make difference

# Sunplus Affiliates

	Profession	Shareholding	Stock code
 <b>SUNPLUS</b>	<b>Sunplus Technology Co., Ltd. (592m shares)</b> Automotive IC & IP Design	100%	TWSE#2401
	<b>Generalplus Technology Co., Ltd. (109m shares)</b> Speech/Music, LCD, Digital Video & Image SoC Turnkey Solutions, Micro-Controllers	48%	TWSE#4952
	<b>Sunext Technology Co., Ltd. (64m shares)</b> ODD & Motor Drive IC	74%	Emerging#4921
	<b>iCatch Technology Inc. (55m shares)</b> Portable, Wearable and Automotive Camera IC	45%	
	<b>Sunplus Innovation Technology Inc. (51m shares)</b> Web Cam & HID Control IC	69%	
	<b>Jumplux Technology Inc. (14m shares)</b> Automotive MCU & USB Storage ASIC	95%	

\* Based on 2018/6/30 Consolidated-holding by Sunplus

# Sunplus Group

## SUNEXT

### Sunext Technology

*Intelligent Driving & Ultra High-Definition*

Samsung  
SMART  
Blu-ray Player



### iCatch Technology

*Still & Action camera*



## SUNPLUS

*DVD/Automotive/Audio IC & IP*



## Generalplus

### Generalplus Technology

*Consumer IC/ Wireless charger*



## SunplusIT

### Sunplus Innovation Technology

*UVC & HID Application*



### Jumplux Technology

*Automotive MCU & USB Media Controller*



# Sunplus Product Portfolios

## In-Vehicle Infotainment



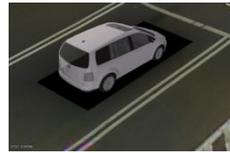
RSE



Display Audio



## AVM/BSD



SUNPLUS

## Soundbar



## CD/ DVD Player



## Karaoke/Video boombox



# Sunplus Research & Technologies

- Dolby, DTS, Hi-Res
- Surround sound
- EQ, Virtual Bass, SRC, AEC, NR,...

**Audio**

- 2D/3D AVM
- De-interface, 3D comb filter, SNR
- DeHaze

**Image/  
Video**

- CarPlay 
- Android Auto 
- CarLife 
- WebLink 

**Phone  
Link**

# IP Solutions

-Experience Optimized IP Solutions for SoC Design

## IC Design & IP Design Service



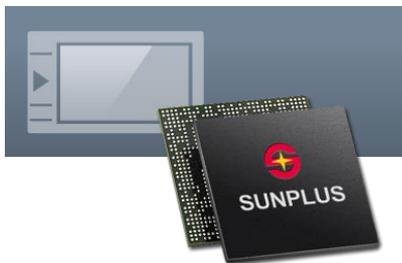
### Media I/F (Audio/Video)

MIPI RX IP · HDMI Tx IP · LVDS IP · AUDIO ADC  
AUDIO DAC · VIDEO DAC...



### Data/Com I/F (Networking/Datacom)

10/100 ETHERNET PHY · USB 2.0 · USB 3.0  
DDR 3/2 PHY · SerDes...

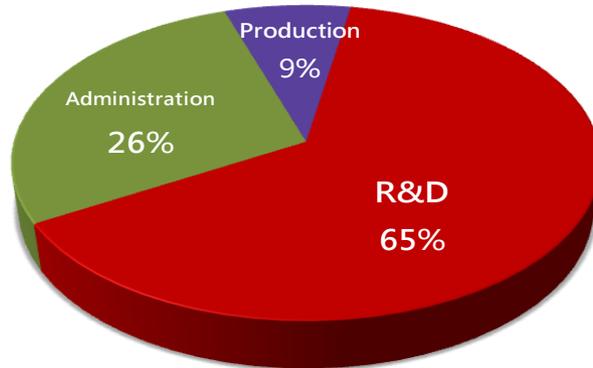


### SoC Companion

SAR ADC · Pipeline ADC · PLL · SPREAD  
SPECTRUM PLL...

# Human Resources

## Global Employees

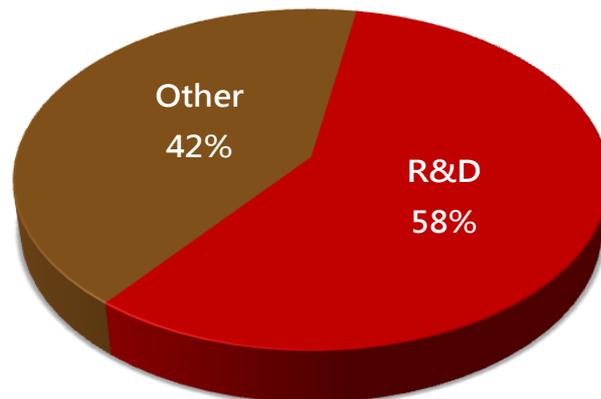


Global Employees/ R&D

**1,331 / 863**

**42% Master above**

## Sunplus HR



Sunplus HR/ R&D

**282 / 163**

**58% Master above**

\* Data by 2018/6/30

# Q2 Consolidated Results

(NT\$ million)	2018Q2		2018Q1		2017Q2		QoQ	YoY
Net Sales	1,799	100%	1,430	100%	1,830	100%	26%	(2%)
COGS	1,103	61%	880	62%	1,086	59%	25%	2%
Gross Margin	695	39%	549	38%	743	41%	27%	(6%)
R&D Expenses	467	26%	454	32%	449	25%	3%	4%
SG&A Expenses	205	11%	219	15%	226	12%	(6%)	(9%)
Operating Net Profit (Loss)	23	1%	(123)	(9%)	67	4%	(119%)	(65%)
Non-Op. Gain (Loss)	36	2%	147	10%	34	2%	(76%)	4%
Net Income (Loss)	35	2%	16	1%	75	4%	124%	(53%)
Other Comprehensive Income	(43)	(2%)	17	1%	17	1%	(359%)	(359%)
Total Comprehensive Income	(8)	(0%)	32	2%	91	5%	(124%)	(108%)
Net Profit Attributable To								
Shareholders of the parent	(25)	(1%)	11	1%	28	2%	(328%)	(187%)
Non-controlling interests	60	3%	5	0%	46	3%	1116%	29%
<b>EPS (NT\$)</b>	<b>(0.04)</b>		<b>0.02</b>		<b>0.05</b>			

\*\* EPS based on outstanding 591,994,919 shares on 2018/06/30

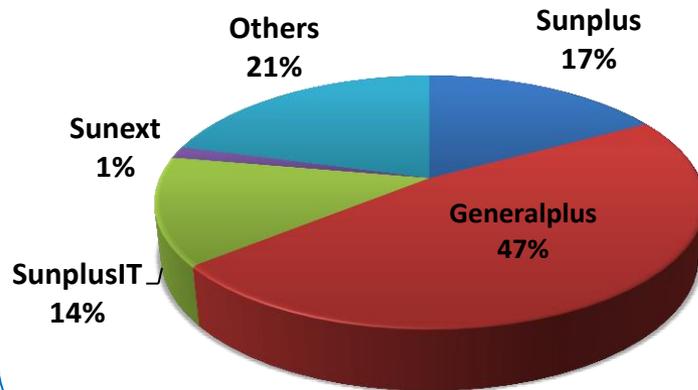
# 1H Consolidated Results

(NT\$ million)	2018 1H		2017 1H		YoY
Net Sales	3,228	100%	3,308	100%	(2%)
COGS	1,984	61%	1,991	60%	(0%)
Gross Margin	1,245	39%	1,317	40%	(6%)
R&D Expenses	921	29%	887	27%	4%
SG&A Expenses	424	13%	436	13%	(3%)
Operating Net Profit (Loss)	(100)	(3%)	(8)	(0%)	1186%
Non-Op. Gain (Loss)	182	6%	447	14%	(59%)
Net Income (Loss)	51	2%	402	12%	(87%)
Other Comprehensive Income	(26)	(1%)	(254)	(8%)	(90%)
Total Comprehensive Income	25	1%	149	4%	(83%)
Net Profit Attributable To					
Shareholders of the parent	(14)	(0%)	346	10%	(104%)
Non-controlling interests	65	2%	56	2%	15%
<b>EPS (NT\$)</b>	<b>(0.02)</b>		<b>0.59</b>		

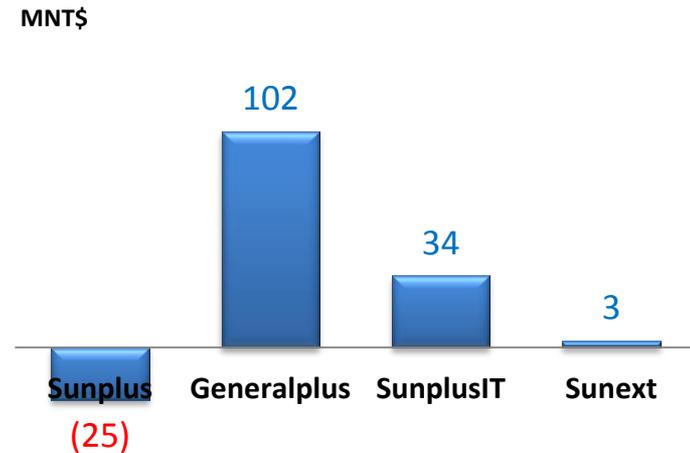
\*\* EPS based on outstanding 591,994,919 shares on 2018/06/30

# 2018 Affiliates' Contribution

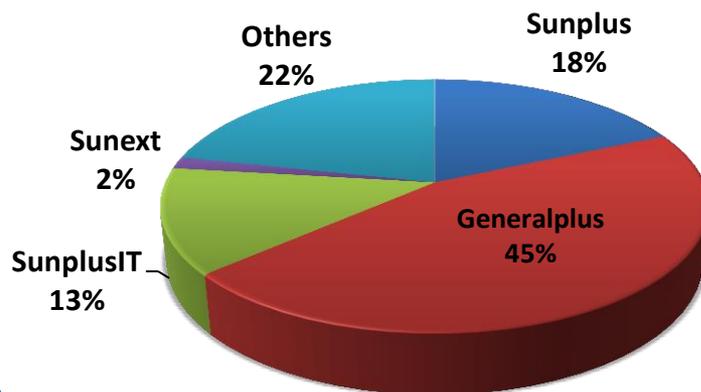
2Q '18 Net Sales : 1,799 MNT\$



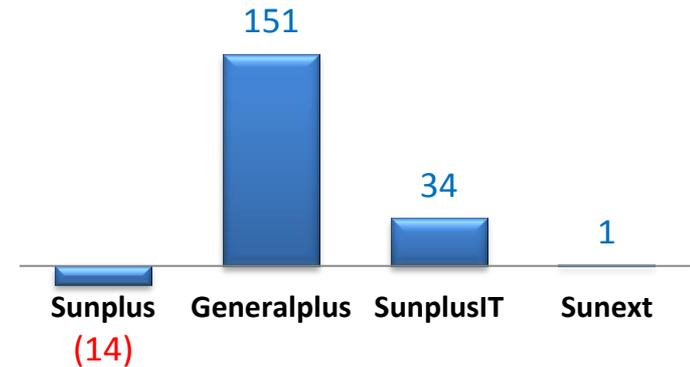
2Q '18 Net Income



1H '18 Net Sales : 3,228 MNT\$



1H '18 Net Income



# Q2 Consolidated Balance Sheet

(NT\$ million)	<b>2018Q2</b>	<b>2018Q1</b>	<b>2017Q2</b>	<b>QoQ</b>	<b>YoY</b>
<b>Total Assets</b>	<b>13,375</b>	<b>13,333</b>	<b>13,648</b>	<b>0%</b>	<b>(2%)</b>
Cash and Cash equivalents	3,455	3,921	3,879	(12%)	(11%)
Inventory	1,097	1,093	1,101	0%	(0%)
Equity Method Investments	344	425	371	(19%)	(7%)
Intangible Assets	222	217	179	2%	24%
<b>Total Liabilities</b>	<b>3,285</b>	<b>2,652</b>	<b>3,309</b>	<b>24%</b>	<b>(1%)</b>
S-T Bank Loans	373	601	628	(38%)	(41%)
L-T Bank Loans, Current Portion	279	289	239	(3%)	16%
Account Payable	868	625	713	39%	22%
L-T Bank Loans, Net of Current Portion	50	100	188	(50%)	(73%)
<b>Total Shareholder Equity</b>	<b>10,090</b>	<b>10,682</b>	<b>10,340</b>	<b>(6%)</b>	<b>(2%)</b>
<b>ROE%</b>	<b>0.50%</b>	<b>0.15%</b>	<b>3.89%</b>		
<b>Net Asset Value per Share (NT\$)</b>	<b>14.38</b>	<b>15.19</b>	<b>14.91</b>		

# Cash Flows

(NT\$ million)	<b>2018Q2</b>	<b>2018Q1</b>	<b>2017Q2</b>	<b>QoQ</b>	<b>YoY</b>
From Operation	120	(179)	(105)	(167.1%)	(215.1%)
From Investment	(313)	(200)	(75)	56.9%	320.3%
From Financing	(287)	151	114	(289.5%)	(352.8%)
Net Cash Flow in (out)	(465)	(236)	(59)	97.5%	683.1%
Cash and Cash equivalents	3,455	3,921	3,879	(11.9%)	(10.9%)

(NT\$ million)	<b>2018 1H</b>	<b>2017 1H</b>	<b>YoY</b>
From Operation	(59)	(460)	(87.2%)
From Investment	(513)	398	(228.8%)
From Financing	(136)	(880)	(84.6%)
Net Cash Flow in (out)	(701)	(925)	(24.2%)
Cash and Cash equivalents	3,455	3,879	(10.9%)

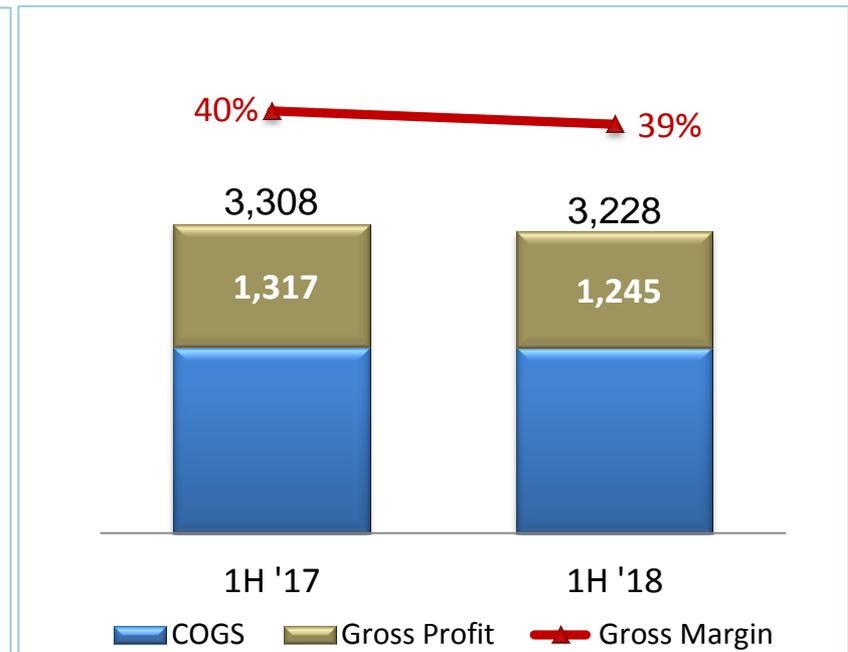
# Non-Operating Gain

(NT\$ million)	<b>2018Q2</b>	<b>2018Q1</b>	<b>2017Q2</b>	<b>QoQ</b>	<b>YoY</b>
Other Income	25	22	14	12%	75%
Exchange Gain (Loss)	(11)	17	19	(165%)	(156%)
Gain on Disposal of Investment	23	88	33	(73%)	(28%)
Investment Gain Recognized under Equity Method	(5)	1	4	(605%)	(223%)
<b>Non-Operating Gain</b>	<b>36</b>	<b>147</b>	<b>34</b>	<b>(76%)</b>	<b>4%</b>

(NT\$ million)	<b>2018 1H</b>	<b>2017 1H</b>	<b>YoY</b>
Other Income	48	30	61%
Exchange Gain (Loss)	6	(20)	(130%)
Gain on Disposal of Investment	111	532	(79%)
Investment Gain Recognized under Equity Method	(4)	89	(105%)
<b>Non-Operating Gain</b>	<b>182</b>	<b>447</b>	<b>(59%)</b>

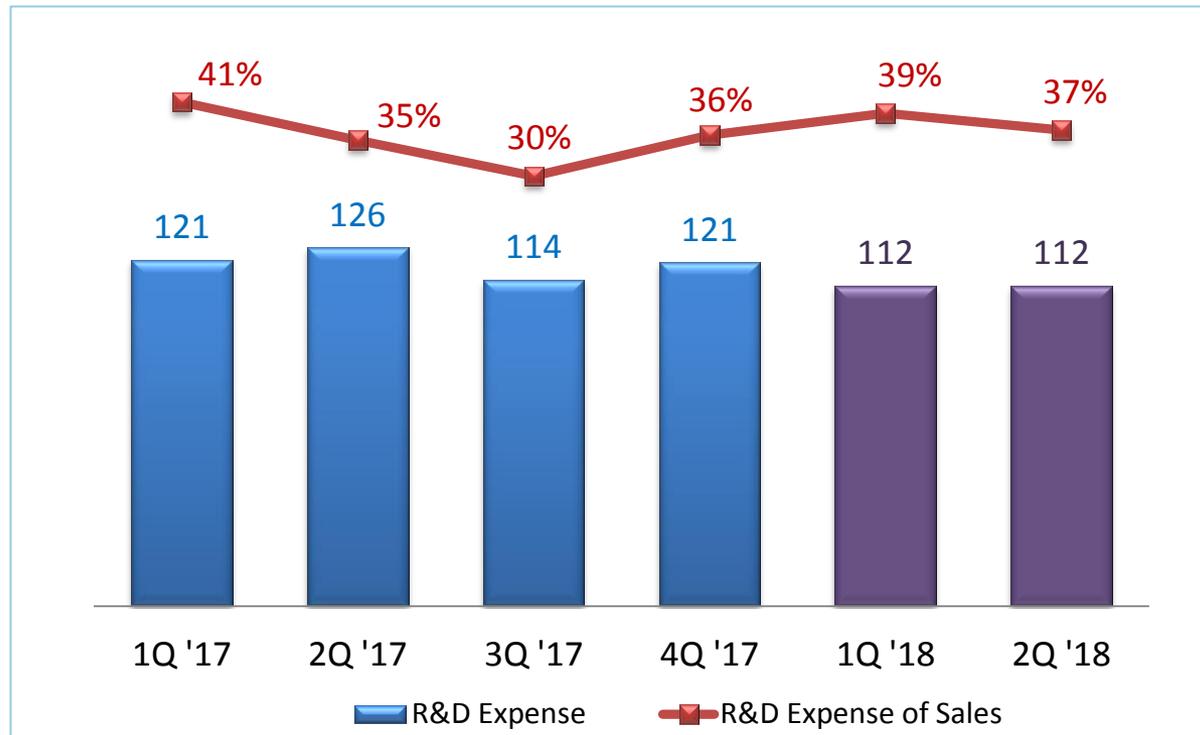
# Consolidated Net Sales & Gross Profit

NT\$ million



# R&D Expenses (Sunplus only)

NT\$ million



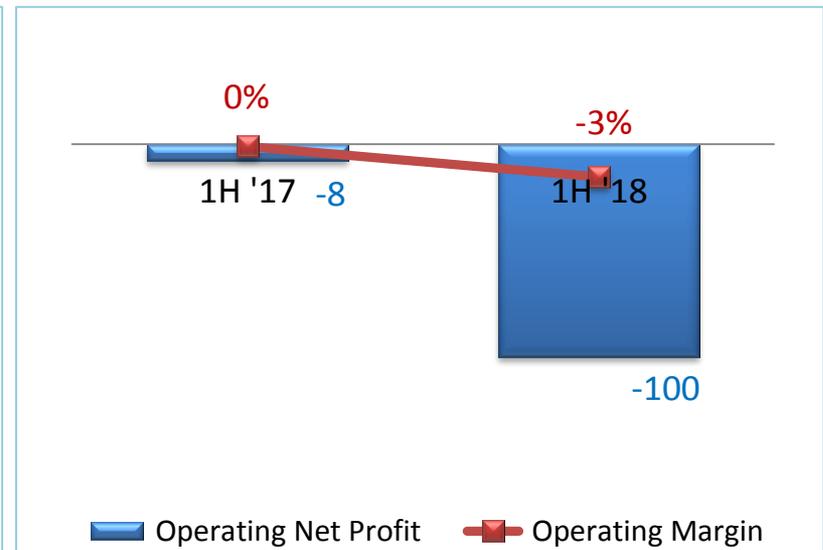
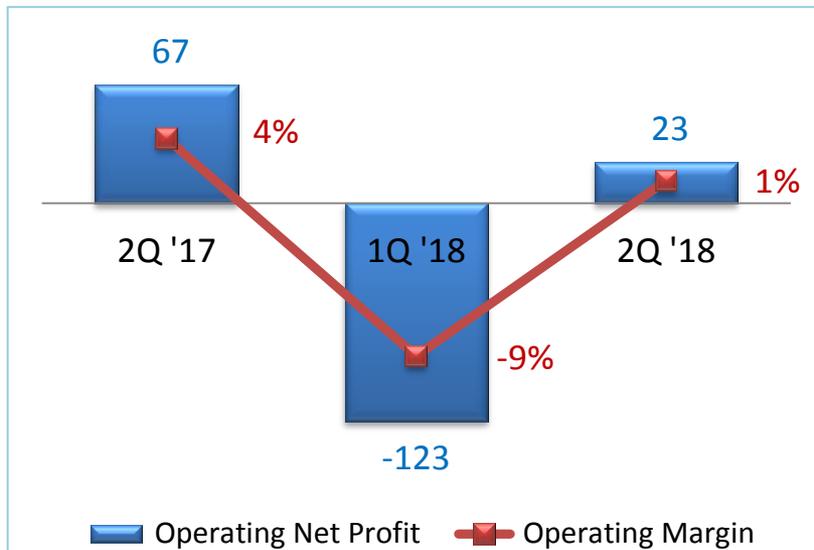
# Consolidated Operating Net Profit

NT\$ million

← YoY: -65% →

← YoY: +1186% →

← QoQ: -119% →

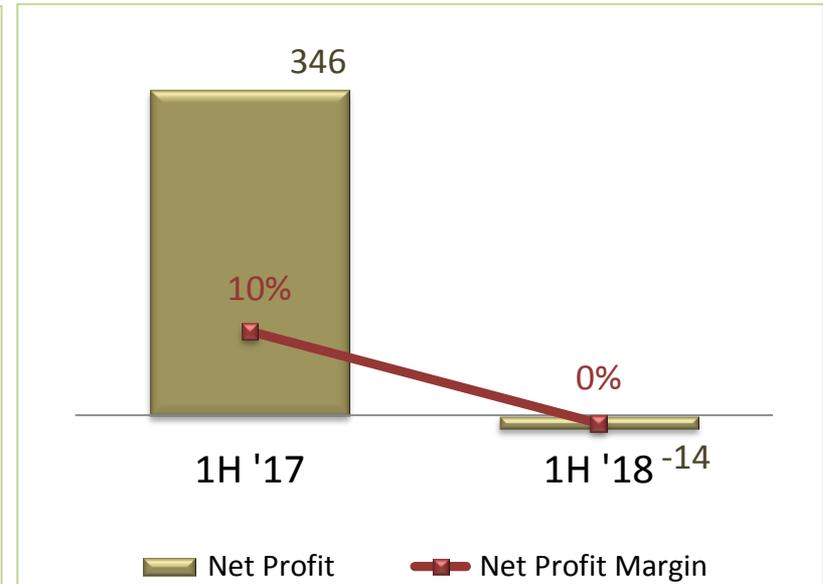
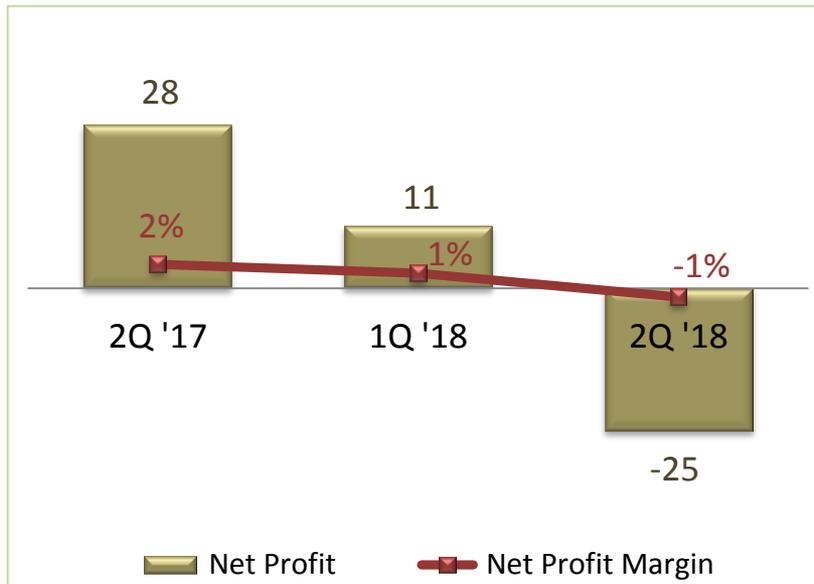


# Consolidated Net Profit

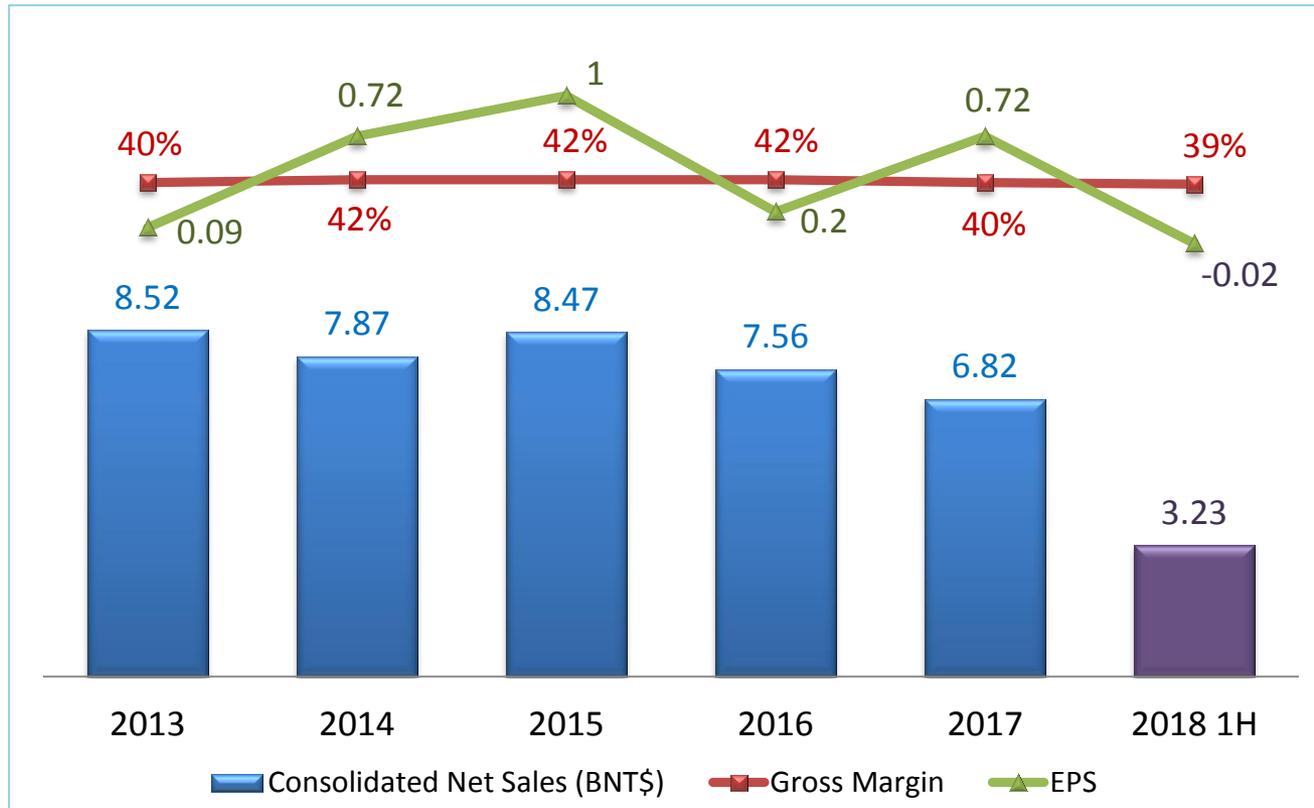
NT\$ million

← **YoY: -187%** →  
← **QoQ: -328%** →

← **YoY: -104%** →



# Financial Statement



# Sunplus interim shareholders' meeting

- Date : 2018/9/12
- Place : Newton Hall, No. 1 Industrial East 2nd Road, Hsinchu Science Park
- Discussion : The Company's original shareholding of shares and cash increase of share options of the subsidiary "iCatch Technology Co., Ltd." was transferred to all shareholders of the Company

# SunplusiT

- Smart Imaging and Man-Machine Interaction Enabler

## UVC Application

NB Cam Backend ISP

Web Cam

Dashboard Cam

Document Scanner Controller



## HID Application

MCU

RF

Optical Sensor

Easy Gesture Solution



# Sunext IC Solutions

- Driving to Intelligent Automation

## Intelligent Driving

3D Printer  
Barcode Printer  
IP CAM Driver



## Ultra High-Definition

4K UHD BD  
HD BD  
USB DVD/CD for Automotive



# iCatch Product Portfolios

- Catch the beauty of Life

## Still Cameras

DSC  
Mirror-less



## Action Cameras

Sport Cam  
Drone Cam  
360 Cam  
VR Cam



## Automotive Cameras

Dash Cam  
Dual Recording  
AVM  
e-Mirror



# Jumplux

- Automotive MCU for Mobile Device

USB Media HUB for CarPlay



USB PD + Wireless Charger



48V PMIC + MCU



USB PD/BC



# Q & A



# Make difference