

# Investor Conferences 4Q 2019

Sitronix Technology Corp.  
矽創電子股份有限公司  
8016 : TT

The background of the slide is decorated with a pattern of overlapping, semi-transparent squares in various colors including purple, blue, green, and orange. These squares are arranged in a way that creates a sense of depth and movement. Additionally, there are clusters of small dots in some of the colored areas, particularly on the left side.

***Sitronix***

# About Sitronix

|                  |                           |
|------------------|---------------------------|
| Company Name     | Sitronix Technology Corp. |
| Established      | July 9, 1998              |
| Capitalization   | USD 40 million            |
| Chairman and CEO | Vincent Mao               |
| Employees        | Parent: 402    Group: 763 |
| IPO Listing      | December 25, 2003 (8016)  |



## Consolidated

矽創電子

**Sitronix**

Display Driver IC



Incubator since 2009

# Product Portfolio

Mobile Displays

Industrial & Automotive Displays

Sensors

SoC

Mobile  
Display  
Driver IC  
手機顯示器

Automotive  
Display  
Driver IC  
車載顯示器

Industrial  
Display  
Driver IC  
工控顯示器

System on  
Chip (SoC)  
products  
其他非顯示器 IC



Subsidiaries



Sitronix

Subsidiaries

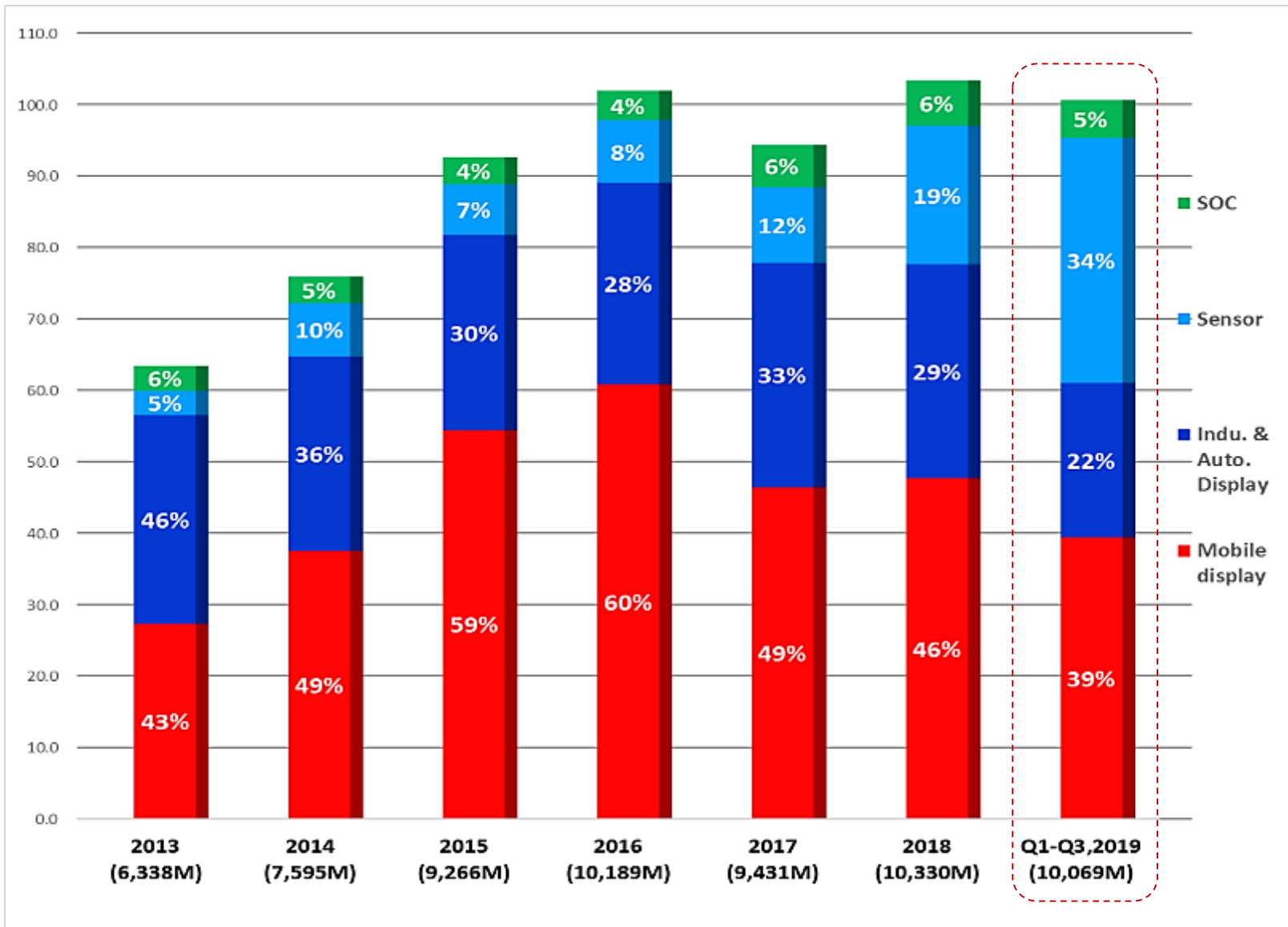


Differentiation

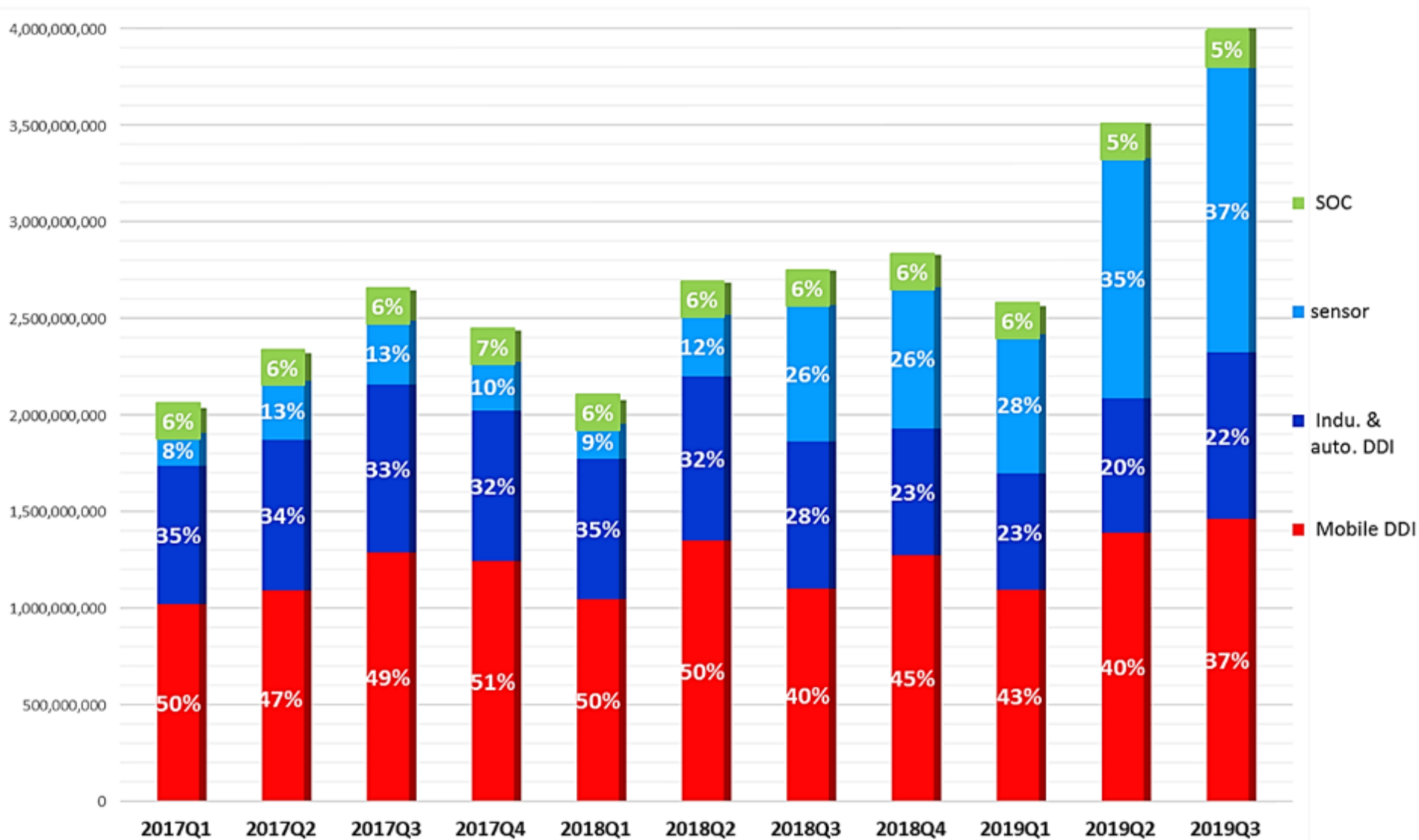
Diversification

Incubator

# Revenue Breakdown by Product



# Quarterly Revenue Breakdown by Product



Unit: NT\$ thousands



# Monthly Revenue 2018 - 2019

| (K)<br>ntd | 2018       | Quarterly<br>amount | YoY_Q | 2019       | YoY_M | Quarterly<br>amount | YoY_Q | MoM     |
|------------|------------|---------------------|-------|------------|-------|---------------------|-------|---------|
| 1          | 781,237    | 2,074,724           | 2.0%  | 920,272    | 17.8% | 2,561,593           | 23.5% | 0.61%   |
| 2          | 462,190    |                     |       | 657,782    | 42.3% |                     |       | -28.52% |
| 3          | 831,297    |                     |       | 983,539    | 18.3% |                     |       | 49.52%  |
| 4          | 860,299    | 2,682,651           | 15.7% | 1,104,244  | 28.4% | 3,507,731           | 30.8% | 12.27%  |
| 5          | 901,245    |                     |       | 1,200,808  | 33.2% |                     |       | 8.74%   |
| 6          | 921,107    |                     |       | 1,202,679  | 30.6% |                     |       | 0.16%   |
| 7          | 922,769    | 2,746,000           | 3.9%  | 1,275,772  | 38.3% | 4,000,478           | 45.7% | 6.08%   |
| 8          | 901,386    |                     |       | 1,335,334  | 48.1% |                     |       | 4.67%   |
| 9          | 921,845    |                     |       | 1,389,372  | 50.7% |                     |       | 4.05%   |
| 10         | 940,776    | 2,827,130           | 16.1% | 1,316,438  | 39.9% |                     |       | -5.25%  |
| 11         | 971,631    |                     |       |            |       |                     |       |         |
| 12         | 914,723    |                     |       |            |       |                     |       |         |
| Total      | 10,330,505 |                     |       | 11,386,240 |       |                     |       |         |
| 1H         | 4,757,375  |                     |       | 6,069,324  | 27.6% |                     |       |         |
| 1-10       | 8,444,151  |                     |       | 11,386,240 | 34.8% |                     |       |         |

Unit: NT\$ thousands

Accounting standard: IFRS

# Mobile Display Driver ICs

## Small-sized DDIC - ZeroCap

2017/18: ~ 500M pcs



## Smartphone DDIC

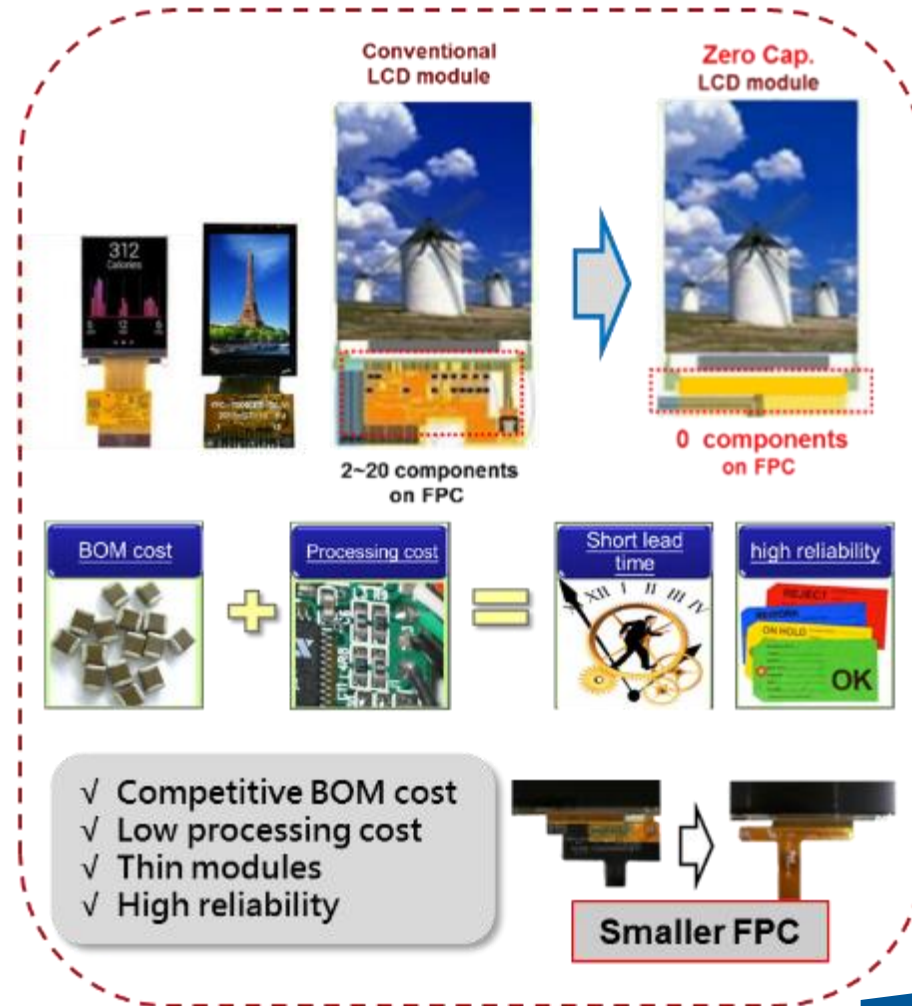
WVGA 800x480 (Q4 15 MP) - Zero Cap.  
 HD720 1280x720 (Q4 17 MP) - Zero Cap.  
 FHD 1920x1080 (Q1 19 MP) - Zero Cap.

2017: > 90M  
 2018: > 130M pcs



## Differentiation

Sitronix's Patents



# Automotive Display Driver ICs

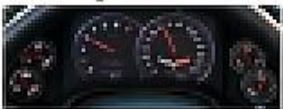
Diversification

< 6 inch displays

7 - 9 inch displays

## Instrument Cluster Display

Analog



No Display

Hybrid (Analog + Digital)



Meters

Full Digital



Virtual Cockpit



## Automobile Monitors



Multi-Function CSD



Display Audio



Climate Control



Twin CSDs  
Display Audio  
+  
Navigation



Rearview Mirror Display



Overhead Monitor



Dual Headrest

Segment TN

Character TN

Graphic STN

Mono TFT

Color TFT

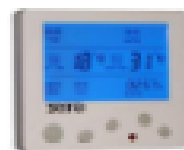
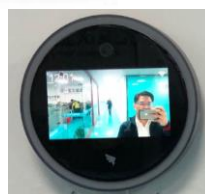
a. 新車趨勢 → 顯示器數增多

b. 大尺寸顯示器案增多 → DDI 顆粒數增加 ( Source & Gate 分離 )



## Diversification

TN / STN / mono TFT / color TFT



## Ultra Low Power a-TFT Driver for new applications :

- IoT / Wearable devices / E-payment ...



# 光學感測晶片 Optic Sensor

## Ambient Light Sensors

→ screen brightness control  
環境光感測器 → 調節螢幕亮度

## Proximity Sensors

→ turn off display (Anti-touch)  
近接感測器 → 關屏(防誤觸)



### Optic sensor shipment

2017 : >200M  
2018 : >340M  
1H 2019 : >250M

- G1. PS (w/T) + ALS ( visible sensor hole solution)
- G2. PS (w/T) + ALS ( invisible sensor hole solution )
  - Under display type (屏下方案) → AMOLED display
  - Slit type (狹縫方案) → TFT display with backlight
- G3. PS + RGB sensing (精準色溫偵測)

## Smartphone display evolution :

### 16:9 aspect ratio

G1. PS (w/T) + ALS ( visible sensor hole )



### Bezel-less screen

G2. PS (w/T) + ALS ( invisible sensor hole )  
Under display type → AMOLED display  
Slit type → TFT display (with backlight)



# ALS / PS

水滴屏 (Teardrop-shaped)

全面屏 (Bezel-less screen)

Slit type ALS/PS

Slit PS / under display ALS

Camera side ALS/PS

Under display ALS/PS

slit PS / under display ALS



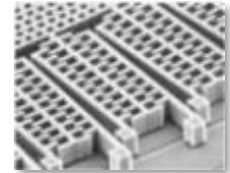
# 微機電感測晶片 MEMS sensor

## G sensor shipment

2017 : >25M

2018 : >30M

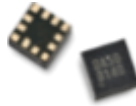
1H\_2019 : >20M



## Accelerometers (G-sensor)

→ Rotates detection

加速度感測器 → 屏幕旋轉偵測



✓ G-sensor for Smartphone market

✓ Low power G-sensor for wearable & IoT devices

## Smartphone application :



屏幕旋轉  
Screen rotation



自動靜音  
Automatic mute



遊戲  
Game control



手勢偵測  
Gesture detection



接聽輔助  
Answering aid





# SOC



## 合肥创发微电子 (HFST)

### Touch controller & FPIC

Established - 2018/03/22  
Opening - 2018/09/18

|      |                                       |
|------|---------------------------------------|
| 公司名称 | 合肥创发微电子有限公司                           |
| 成立日期 | 2018.03                               |
| 董事长  | 陈儒宏                                   |
| 总经理  | 赵建源                                   |
| 地址   | 安徽省合肥市高新区创新大道2800号<br>创新产业园二期J2区A栋19层 |
| 网址   | www.hf-st.com.cn                      |

## Incubator

Automotive

Industrial

Wearable

Consumer



Zero capacity

- DC LDO
- No external parts
- Smallest FPC



Excellent EMC

- ESD
- EMI → Sinusoidal TX
- Touch & FP over 40 patents



Noise Immunity

- Low voltage AFE
- High performance ADC
- SNR > 50dB



High SNR

- Dynamic frequency hopping
- Dynamic threshold
- Display Sync. function

Consumer



Wearable



Industrial



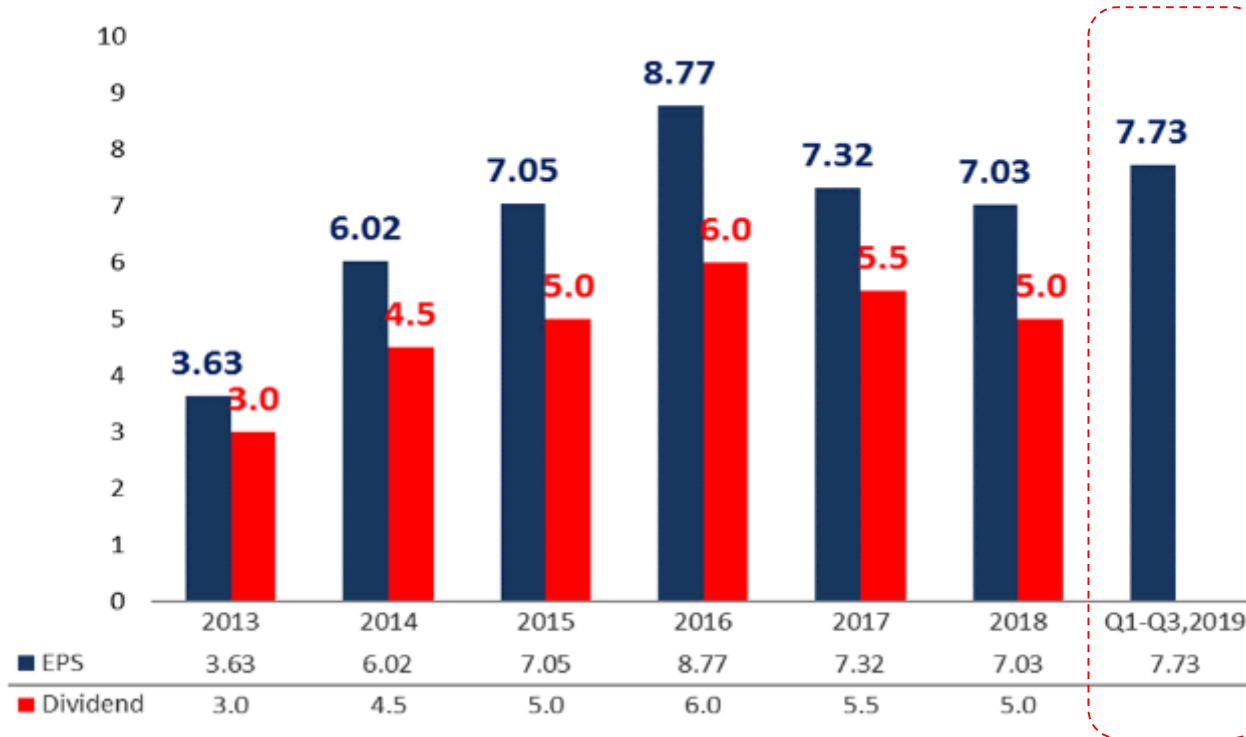
Automotive



# Support IoT related solutions



# EPS & Dividends



| Year | Q1   |     | Q2   |     | Q3   |     | Q4   |     | Annual |     |               | Q1~Q3 |
|------|------|-----|------|-----|------|-----|------|-----|--------|-----|---------------|-------|
|      | EPS  | GM  | EPS  | GM  | EPS  | GM  | EPS  | GM  | EPS    | GM  | Cash dividend | EPS   |
| 2019 | 1.70 | 33% | 2.80 | 33% | 3.22 | 32% |      |     |        |     |               | 7.73  |
| 2018 | 1.10 | 24% | 1.82 | 24% | 2.37 | 33% | 1.74 | 30% | 7.03   | 28% | 5.0           |       |
| 2017 | 1.38 | 29% | 1.74 | 26% | 2.08 | 26% | 2.12 | 25% | 7.32   | 27% | 5.5           |       |

## Strategic Marketing Director

Jacky Chou 周德雲

Tel: +886-2-2659 1276 ext 2206

E-mail: jacky\_chou@sitronix.com.tw

## Investor Relations Officer

Vivian Mao 毛廷方

Tel: +886-2-2659 1276 ext 2395

E-mail: vivian\_mao@sitronix.com.tw

Website: <http://www.sitronix.com.tw>

Taipei office:

6F., No. 608, Ruiguang Rd., Neihu Dist., Taipei City 114, Taiwan

台北市內湖區瑞光路608號6樓

# Thank you



*Lighting up your life.*

***Sitronix***



# Consolidated Income Statement

| Item              | Q3 19     |            | Q2 19     |      |            | Q1 19     |            | 2018       |            | Q4 18     |            | Q3 18     |            |
|-------------------|-----------|------------|-----------|------|------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|
|                   | Results   | % of sales | Results   | YoY  | % of sales | Results   | % of sales | Results    | % of sales | Results   | % of sales | Results   | % of sales |
| Net Sales         | 4,000,478 | -          | 3,507,731 | 31%  | -          | 2,561,593 | -          | 10,330,505 | -          | 2,827,130 | -          | 2,746,000 | -          |
| Gross Profit      | 1,280,271 | 32%        | 1,145,255 | 78%  | 33%        | 836,742   | 33%        | 2,870,026  | 28%        | 841,542   | 30%        | 888,681   | 33%        |
| Operating Expense | 630,271   | 16%        | 575,125   | 37%  | 17%        | 522,355   | 21%        | 1,827,512  | 18%        | 540,071   | 19%        | 513,919   | 19%        |
| Operating Income  | 659,662   | 16%        | 570,130   | 153% | 16%        | 314,387   | 12%        | 1,042,514  | 10%        | 301,471   | 11%        | 374,762   | 14%        |
| Income before Tax | 639,490   | 17%        | 600,897   | 134% | 17%        | 338,677   | 13%        | 1,121,930  | 11%        | 312,329   | 11%        | 415,729   | 15%        |
| Net Income*       | 386,629   | 10%        | 334,950   | 54%  | 9%         | 203,393   | 8%         | 840,363    | 8%         | 208,169   | 7%         | 283,177   | 10%        |
| EPS               | 3.22      | -          | 2.80      | 53%  | -          | 1.70      | -          | 7.03       | -          | 1.73      | -          | 2.37      | -          |

\* Listed on the English translation of our financial statements as  
"Profit (loss), attributable to owners of parent"

Unit: NT\$ thousands (except EPS)

Accounting standard: IFRS

Sitronix Confidential. Do Not Copy or Distribute.

# Consolidated Balance Sheet

| Item               | 2019/9/30  | 2019/6/30 | 2019/3/31 | 2018/12/31 | 2018/9/30 |
|--------------------|------------|-----------|-----------|------------|-----------|
| Total Assets       | 10,013,046 | 9,574,510 | 8,179,523 | 8,366,511  | 8,067,564 |
| Current Assets     | 7,945,341  | 7,469,564 | 6,090,712 | 6,415,599  | 5,898,420 |
| Cash & Equivalents | 2,944,608  | 2,421,768 | 1,991,012 | 2,060,229  | 1,993,785 |
| AR                 | 1,427,273  | 1,544,322 | 1,262,449 | 1,359,114  | 1,337,906 |
| Inventory          | 1,731,420  | 1,832,545 | 1,797,371 | 2,071,021  | 1,847,433 |
| Total Liability    | 4,003,106  | 3,970,689 | 2,580,779 | 3,160,839  | 2,952,456 |
| AP                 | 2,064,045  | 1,741,286 | 1,060,942 | 1,560,675  | 1,705,977 |
| Shareholder Eqt.   | 6,009,940  | 5,603,821 | 5,598,744 | 5,205,672  | 5,115,108 |

Unit: NT\$ thousands  
Accounting standard: IFRS