

Investor Conferences Q3 2020

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

The background features a dynamic arrangement of overlapping, semi-transparent squares in various colors including purple, blue, green, and orange. These squares are scattered across the slide, with some appearing as simple outlines and others as solid blocks. Interspersed among the squares are patterns of small dots, some solid and some outlined, creating a sense of depth and movement.

Sitronix

About Us

Company Name	Sitronix Technology Corp.
Established	July 9, 1998
Capitalization	USD 40 million
Chairman and CEO	Vincent Mao
IPO Listing	December 25, 2003 (8016)



Consolidated

矽創電子

Sitronix

Display Driver IC



鈇創電子(91%)

mCore

MCU/DSP



合肥創發微電子(90%)

HFST

Touch & Fingerprint IC



力領科技(84%)

FORCELEAD



極創電子(64%)

INFST

Power Management 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



Subsidiaries

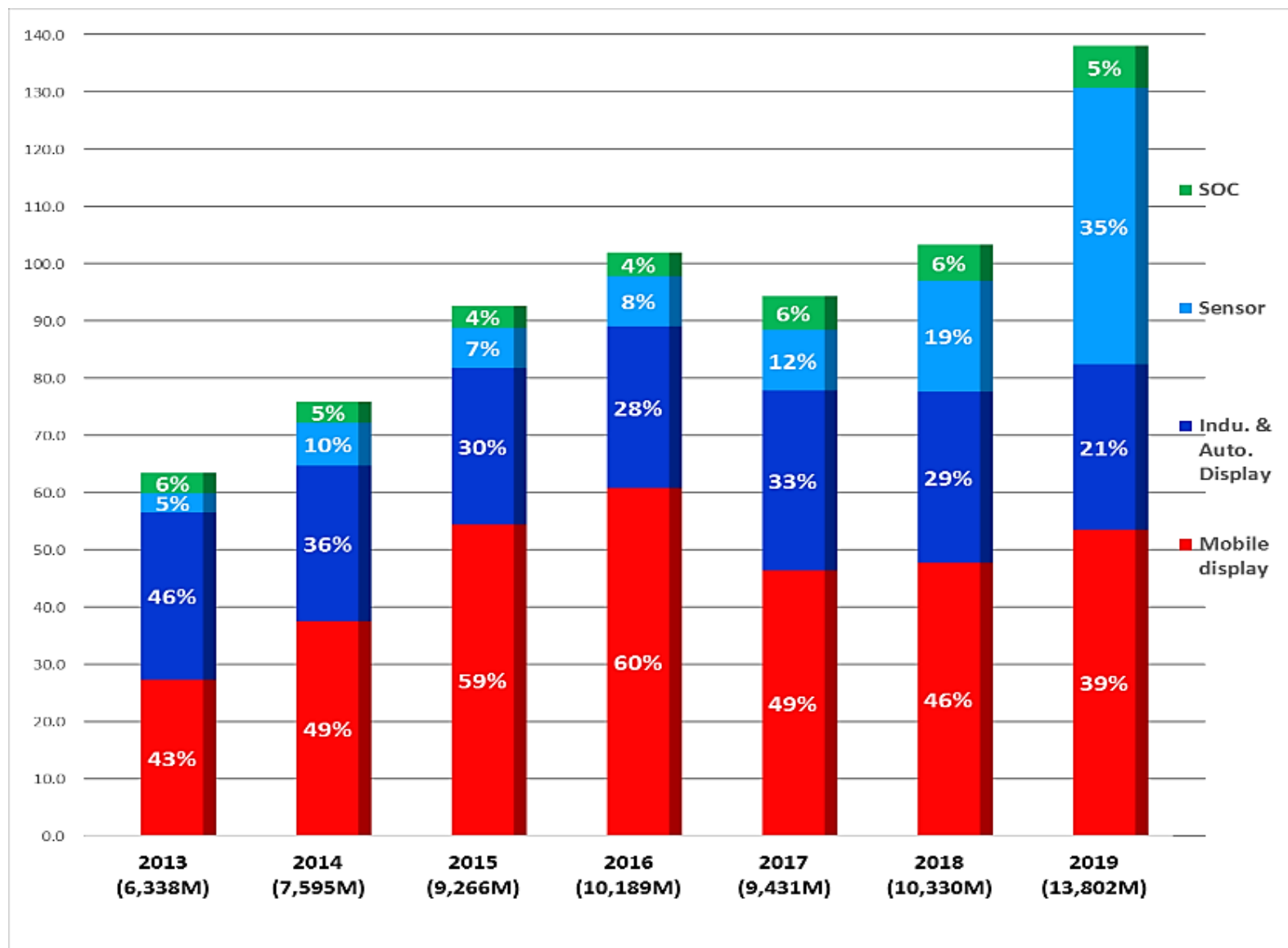


Differentiation

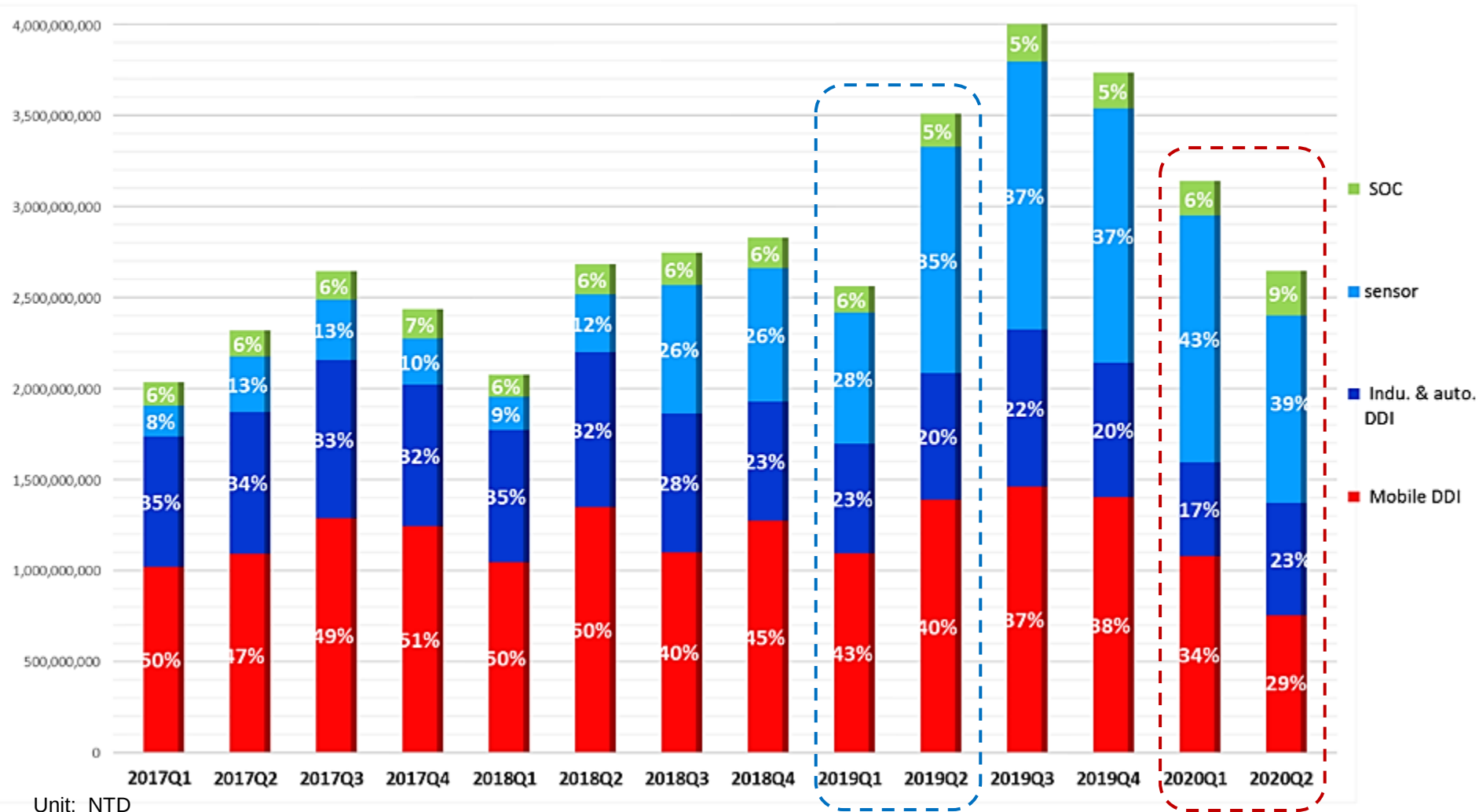
Diversification

Incubator

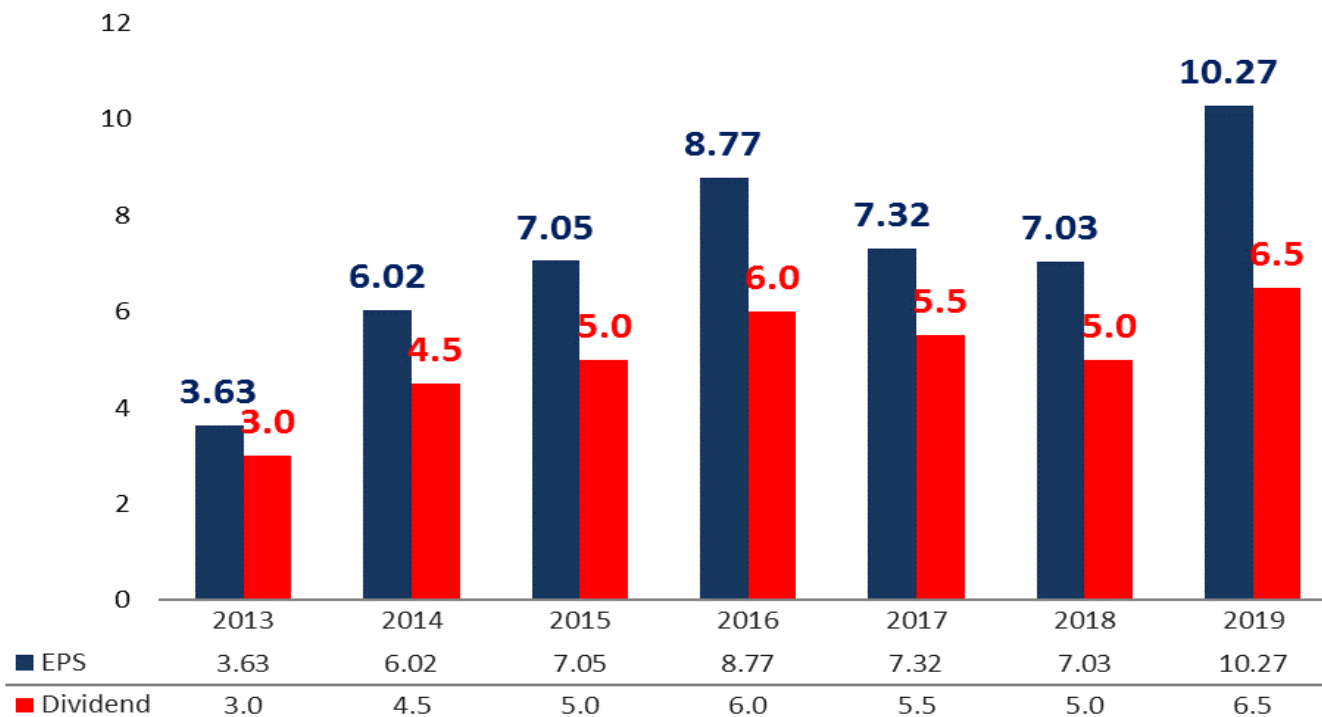
Product Mix



Revenue by Product



EPS & Dividends



Year	Q1		Q2		Q3		Q4		Annual		
	EPS	GM	EPS	GM	EPS	GM	EPS	GM	EPS	GM	Cash dividend
2020	2.43	32%	2.43	35%							
2019	1.70	33%	2.80	33%	3.22	32%	2.55	30%	10.27	32%	6.5
2018	1.10	24%	1.82	24%	2.37	33%	1.74	30%	7.03	28%	5.0

Mobile Display Driver ICs

Small-sized DDIC - zeroCap

2018: ~ 500M pcs
2019: ~ 400M pcs

4G kids' watches



Sports cams
Pocket cams



Fitness trackers



Smartphone DDIC - zerocap

2018: > 130M pcs
2019: > 200M pcs shipment growth > 50%



Smart speakers



Payment terminals



Differentiation

Sitronix's Patents



Conventional
LCD module



2~20 components
on FPC

Zero Cap.
LCD module



0 components
on FPC



- ✓ Competitive BOM cost
- ✓ Low processing cost
- ✓ Thin modules
- ✓ High reliability



Smaller FPC

Automotive Display Driver ICs

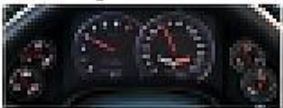
Diversification

< 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



Diversification

A Brother MFC-7460 multifunction printer is shown from a front-three-quarter view. It is a light grey machine with a black control panel on the left side of the top. The control panel features a small LCD screen and several buttons. A document with a yellow background and a circular image is being printed and is partially visible in the output tray at the bottom. The printer has a paper input slot on the top right and a paper output slot on the front.



光學感測晶片 Optical Sensors

Proximity Sensors

→ turns off the display (anti-touch)
近接感測晶片 → 關屏(防誤觸)

Ambient Light Sensors

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

RGB Sensors

→ screen color temperature control
色彩感測晶片 → 調節螢幕色溫

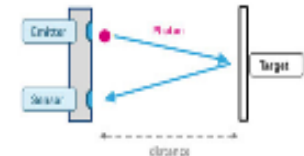
Optical sensor shipment

2017: >200M

2018: >340M

2019: >600M

- PS (w/T) + ALS visible sensor solution
- PS (w/T) + ALS invisible solution
 - ✓ Under-display solution (屏下方案) → AMOLED displays
 - ✓ Slit type (狹縫方案) → TFT displays
- PS (w/T) + RGB



16:9 screen



Bezel-less screen



ALS / PS Layout Trends

Waterdrop Screen

狹縫(Slit) ALS/PS

狹縫(Slit) PS / 屏下 ALS

前攝旁 ALS/PS
(Aside of Front Facing Camera)



Bezel-less Screen

屏下(Under-display) ALS/PS

狹縫 (Slit) PS / 屏下Under-display ALS



微機電感測晶片 MEMS Sensors

Accelerometer Sensors (GS)

→ Rotation detection

加速度感測晶片 → 屏幕旋轉偵測

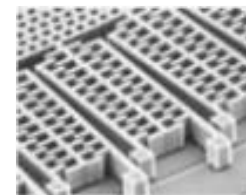


GS shipment

2017: >25M

2018: >30M

2019: >55M



✓ GS for smartphones

✓ Low-power GS for wearable & IoT devices



Screen rotation



Automatic mute



Game control



Gesture detection



Answering aid



Optical Sensors + G Sensors

Wearable Devices and other Applications

True Wireless Stereo (TWS) earphones

Accelerometer sensor → click detection

P-sensor → on/off switch



敲擊偵測 (Click detection)

- 有來電時 (Incoming call)
 - 單擊接聽 (Click to answer)
 - 雙擊拒接 (Double click to reject)
- 無來電時 (None call)
 - 啟動 AI 助手 (Start AI Assistant)
- 音樂播放 (Music model)
 - 單擊暫停 (Click pause)
 - 雙擊換曲 (Double click change)

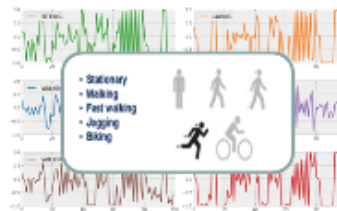
Smart watches & fitness trackers

Accelerometer sensor → motion detection

Optical sensor → heartbeat detection



運動偵測 / 計步
Motion detection



抬手亮屏 / 動態心率輔助
Heartbeat detection



睡眠偵測 / 久坐提醒
Sleep quality monitoring



SOC



合肥創發微電子 HFST

Touch controller & FPIC

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

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 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



IoT Solutions



Smart city
Traffic management

A night-time aerial view of a city skyline with various IoT icons overlaid, including a Wi-Fi signal, a location pin, a mail icon, and a person walking, all connected by a network of lines.



Smart home
Smart grid

A modern, multi-story house at night with a swimming pool. Dotted lines connect various IoT icons (Wi-Fi, lightbulb, router, and a server) to different parts of the house, illustrating smart home and smart grid applications.



AIoT devices
Smart payment

A person's hand holding a smartphone in a cafe setting. The phone screen displays a chatbot interface with a 'Reorder' button and a list of items: 'Capuchino', 'Hot', 'Size : XL', and 'Quantity : 1'. There are also 'Cancel' and 'Reorder' buttons at the bottom of the chatbot window.



Connected cars

A futuristic car interior with a steering wheel and dashboard. The dashboard features a large circular display showing a car's profile and various data points. The background shows a road with other cars and a futuristic cityscape, with various IoT icons and data visualizations overlaid.

Consolidated Income Statement

Item	Q2 20		Q1 20		2019		Q4 19		Q3 19		Q2 19		Q1 19	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	2,644,857	-	3,138,847	-	13,802,738	-	3,732,936	-	4,000,478	-	3,507,731	-	2,561,593	-
Gross Profit	925,366	35%	1,011,677	32%	4,385,345	32%	1,123,077	30%	1,280,271	32%	1,145,255	33%	836,742	33%
Operating Expense	525,562	20%	569,936	18%	2,308,582	17%	580,831	16%	630,271	16%	575,125	17%	522,355	21%
Net other income (expenses)	662	0%	91,354	3%	9,663	0%	1	0%	9,662	0%				
Operating Income	400,466	15%	533,095	17%	2,086,426	15%	542,247	15%	659,662	16%	570,130	16%	314,387	12%
Income before Tax	497,065	19%	549,896	17%	2,203,422	16%	570,358	15%	693,490	17%	600,897	17%	338,677	13%
Net Income*	291,899	11%	291,416	9%	1,230,588	9%	305,616	8%	386,629	10%	334,950	9%	203,393	8%
EPS	2.43	-	2.43	-	10.27	-	2.55	-	3.22	-	2.80	-	1.70	-

Unit: NT\$ thousands (except EPS)

Accounting standard: IFRS

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

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Consolidated Balance Sheet

Item	2020/6/30	2020/3/31	2019/12/31	2019/9/30	2019/6/30
Total Assets	13,313,165	11,315,424	10,760,904	10,013,046	9,574,510
Current Assets	11,320,483	9,386,607	8,626,168	7,945,341	7,469,564
Cash & Equivalents	4,123,024	3,356,031	2,932,647	2,944,608	2,421,768
AR	1,103,291	1,248,372	1,398,832	1,427,273	1,544,322
Inventory	2,495,793	2,387,205	1,909,664	1,731,420	1,832,545
Total Liability	5,046,401	5,630,077	4,155,212	4,003,106	3,970,689
AP	1,411,218	2,065,666	2,085,145	2,064,045	1,741,286
Shareholder Eqt.	8,266,764	5,685,347	6,605,692	6,009,940	5,603,821

Unit: NT\$ thousands
Accounting standard: IFRS

We'd love to hear from you !

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Lighting up your life.

Sitronix