

# Investor Conferences

## Q2 2019

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 these squares are patterns of small dots, some solid and some outlined, creating a sense of depth and movement.

***Sitronix***

# About Sitronix

|                  |                                    |
|------------------|------------------------------------|
| Company Name     | Sitronix Technology Corp.          |
| Established      | July 9, 1998                       |
| Capitalization   | USD 40 million                     |
| Chairman and CEO | Vincent Mao                        |
| Employees        | Parent: 385    Group: 657          |
| Headquarters     | Hsinchu, Taiwan                    |
| Sales Offices    | Taipei, Shenzhen, Shanghai , HeFei |
| IPO Listing      | December 25, 2003                  |



# Product Portfolio

## Mobile Displays

Mobile Display Driver IC  
(手機顯示器)



## Industrial & Automotive Displays

Automotive Display Driver IC  
(車載顯示器)



Industrial Display Driver IC  
(工控顯示器)



## Sensor & SoC

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



### Subsidiaries

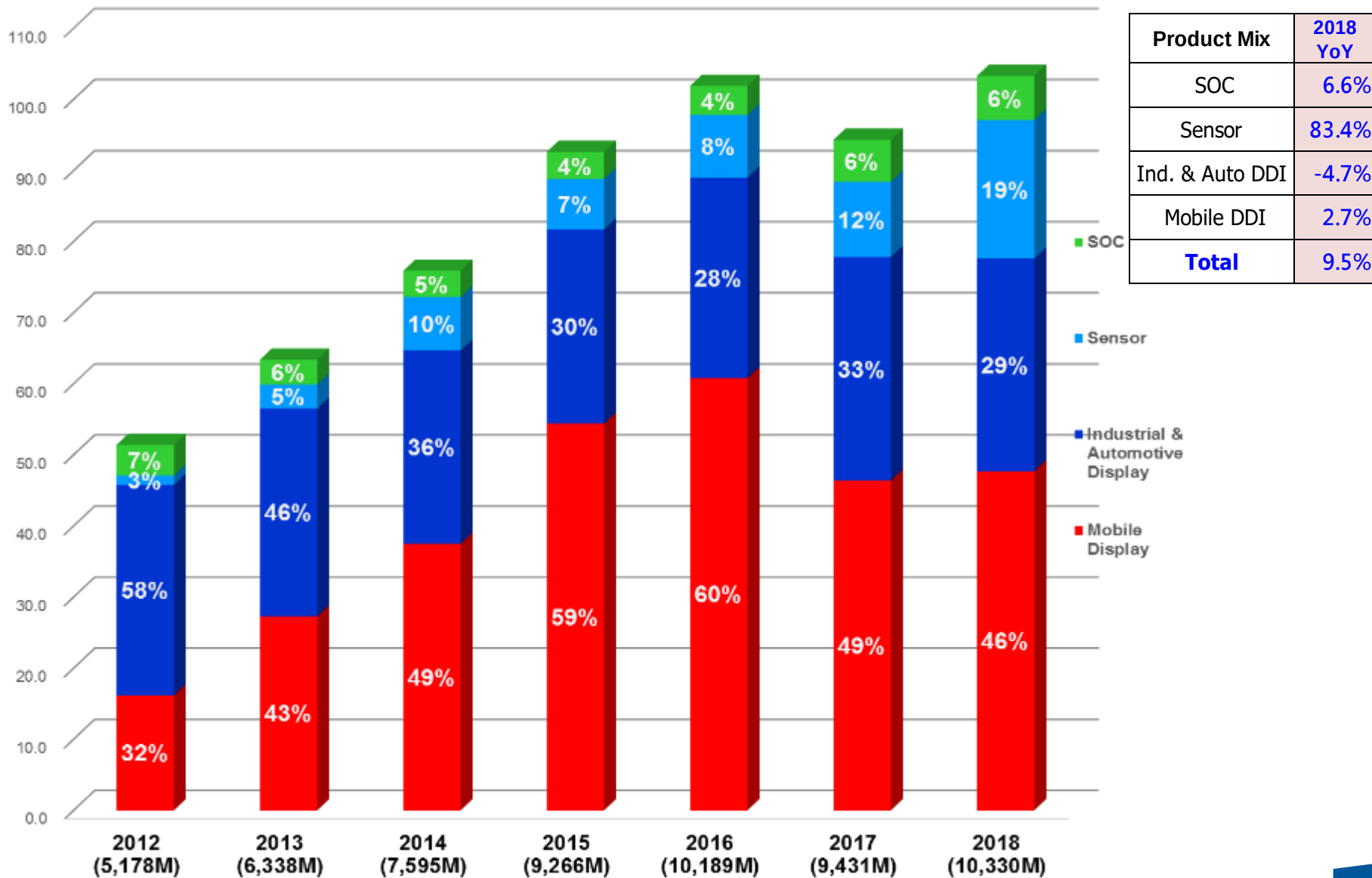


FORCELEAD (76%)

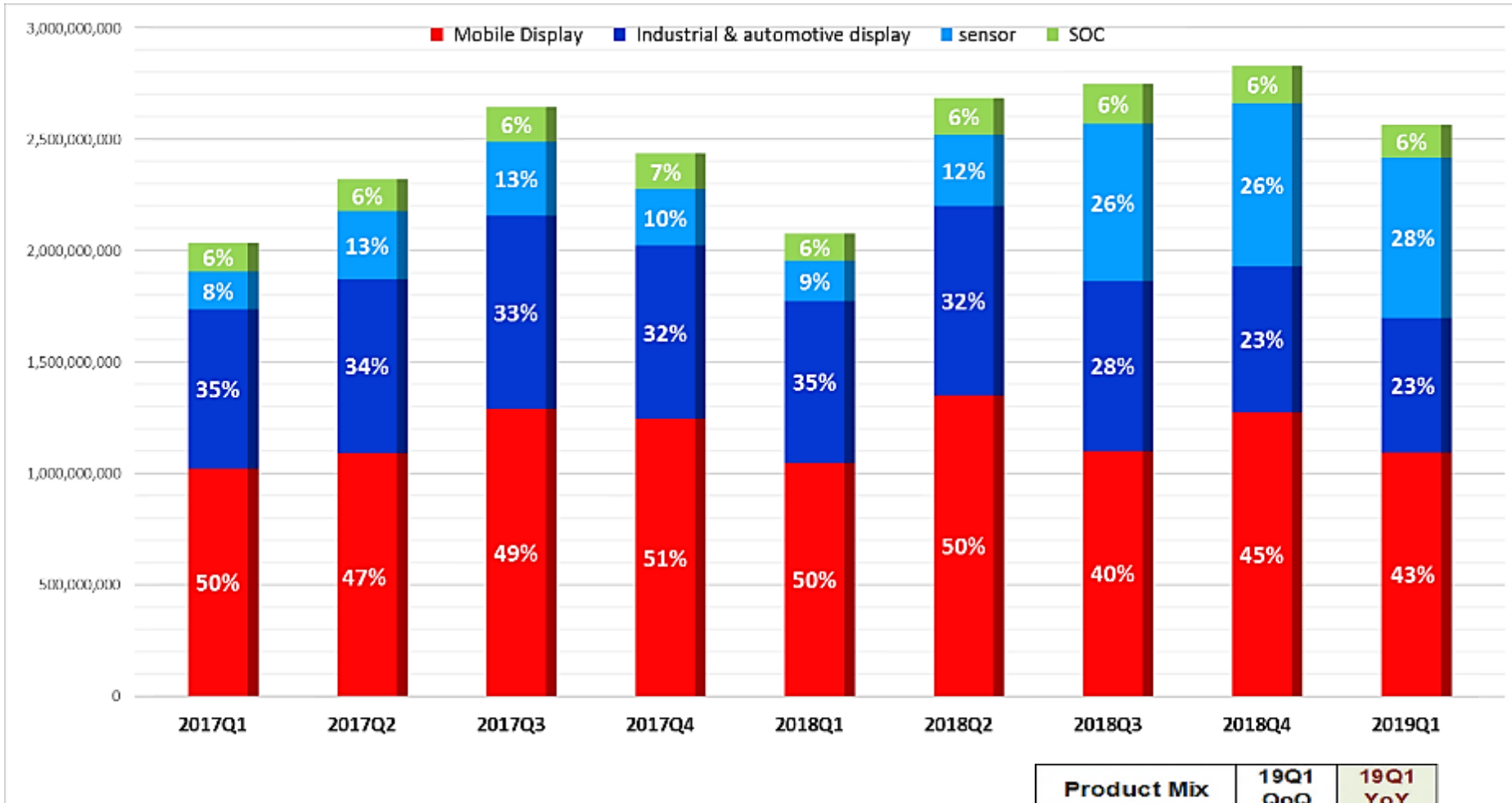
### Subsidiaries



# Product Mix



# Product Mix & Q1 Results



| Product Mix     | 19Q1 QoQ     | 19Q1 YoY     |
|-----------------|--------------|--------------|
| SOC             | -13.2%       | 20.0%        |
| Sensor          | -1.6%        | 296.6%       |
| Ind. & Auto DDI | -8.0%        | -17.1%       |
| Mobile DDI      | -14.1%       | 4.6%         |
| <b>Total</b>    | <b>-9.4%</b> | <b>23.5%</b> |



# Monthly Revenue 2017 - 2019

| (K)<br>ntd | 2017      | YoY_M  | Quarterly<br>amount | YoY_Q  | 2018       | YoY_M  | Quarterly<br>amount | YoY_Q | 2019      | YoY_M | MoM     |
|------------|-----------|--------|---------------------|--------|------------|--------|---------------------|-------|-----------|-------|---------|
| 1          | 600,199   | -32.0% | 2,034,300           | -11.3% | 781,237    | 30.2%  | 2,074,724           | 2.0%  | 920,272   | 17.8% | 0.61%   |
| 2          | 622,643   | 12.9%  |                     |        | 462,190    | -25.8% |                     |       | 657,782   | 42.3% | -28.52% |
| 3          | 811,458   | -5.7%  |                     |        | 831,297    | 2.4%   |                     |       | 983,539   | 18.3% | 49.52%  |
| 4          | 750,792   | -9.6%  | 2,318,317           | -3.3%  | 860,299    | 14.6%  | 2,682,651           | 15.7% | 1,104,244 | 28.4% | 12.27%  |
| 5          | 710,736   | -10.2% |                     |        | 901,245    | 26.8%  |                     |       |           |       |         |
| 6          | 856,789   | 10.4%  |                     |        | 921,107    | 7.5%   |                     |       |           |       |         |
| 7          | 881,044   | 8.6%   | 2,643,141           | -8.1%  | 922,769    | 4.7%   | 2,746,000           | 3.9%  |           |       |         |
| 8          | 891,613   | -9.2%  |                     |        | 901,386    | 1.1%   |                     |       |           |       |         |
| 9          | 870,484   | -19.6% |                     |        | 921,845    | 5.9%   |                     |       |           |       |         |
| 10         | 781,637   | -20.4% | 2,435,304           | -7.2%  | 940,776    | 20.4%  | 2,827,130           | 16.1% |           |       |         |
| 11         | 813,378   | -8.7%  |                     |        | 971,631    | 19.5%  |                     |       |           |       |         |
| 12         | 840,289   | 11.9%  |                     |        | 914,723    | 8.9%   |                     |       |           |       |         |
| Total      | 9,431,062 | -7.4%  |                     | -7.45% | 10,330,505 | 9.5%   |                     |       | 3,665,837 |       |         |
|            | 1 - 3     |        |                     |        | 2,074,724  |        |                     |       | 2,561,593 | 23.5% |         |
|            | 1 - 4     |        |                     |        | 2,935,023  |        |                     |       | 3,665,837 | 24.9% |         |

Unit: NT\$ thousands  
Accounting standard: IFRS

# Sensors - I



## P sensor shipment (Smartphone market)

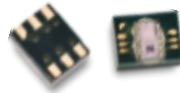
2017 : >200M

2018 : >300M

## Light sensors

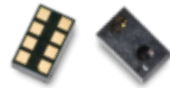
### Ambient Light Sensors

CMOS Circuit



### Proximity Sensors

CMOS circuit



## 2-in-1 P-sensors for smartphones

- ✓ ALS + Gesture control P-sensors (2015)
- ✓ ALS + Small sensor holes P-sensors (2016)
- ✓ invisible P-sensors solution (2017)
- ✓ under display p-sensor for bezel-less AMOLED (2018)
- ✓ Micro slot p-sensor for bezel-less TFT LCD (2018)



### 高階 P-sensor :

- a. AMOLED display → 屏下距離感測(p) 方案
- b. LTPS TFT display → 微縫距離感測(p) 方案
- c. 3D sensing 協作應用 → 長距離感測(p) 方案



# ALS/PS

## ● 水滴屏

狹縫 ALS/PS

狹縫 PS / 屏下ALS

前攝旁





# ALS/PS

● 水滴屏

● 全景屏

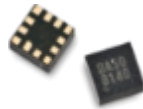
狹縫 ALS/PS(機械升降)      屏下 ALS/PS(機械升降)



頂出式 (手動滑蓋昇降)



## MEMS sensors



### Accelerometers

CMOS Circuit

MEMS Process



**G sensor shipment**  
2018: >25M

- ✓ G-sensors for smartphones
- ✓ Low power G-sensors for wearable & IoT devices



屏幕旋轉



手勢偵測

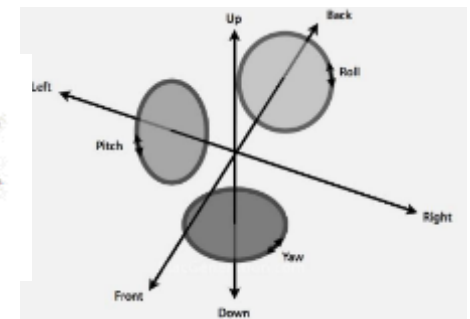


接聽輔助



## Gyroscopes

MEMS Process



- ✓ Gyroscopes under developed

# Mobile Display Driver ICs

## Feature phone DDI

### → Small-sized DDI

QQVGA 160x120 - Zero Cap.

QCIF 220x176 - Zero Cap.

QVGA 320x240 - Zero Cap.

WQVGA 400x240 - Zero Cap.

2017: > 500M pcs

2018: > 490M pcs

4G feature phones



4G kids' watches



Sports cams /  
pocket  
camcorders



Fitness trackers



## Smartphone DDI

HVGA 480x320 (Q4 14 MP) - Zero Cap.

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



# SOC



HFST - 合肥创发微电子

Established - 03/22/2018

Opening - 09/18/2018

A blue, rounded rectangular button with a gradient and a shadow, containing the word "Industrial" in yellow text.

Touch controller  
& FP IC



**Automotive**



Source: 呂國雄：「環境意識研究之整理」，2004:406。



Smartphone



FAE  
在地化



24\*7  
待命小組



技術討論



專案回報機  
制



市場訊息  
技術交流



## Industrial Display Driver ICs

- Industrial Display Driver IC
- Multimedia Display Driver IC
- New product: **Ultra low power DDI**
- New applications:
  - Portable medical devices / Healthcare products
  - Wearable products / Sports devices / E\_Tag

TN / STN / mono TFT / color TFT



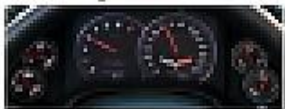
# Automotive Display Driver ICs

< 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 )



# Support IoT related solutions



移動互聯網  
行動支付



智慧居家  
智慧電網



智慧城市  
智慧交通



電動車  
車聯網

# Consolidated Income Statement

| Item              | Q1 19     |            | 2018       |            | Q4 18     |            | Q3 18     |            | Q2 18     |            | Q1 18     |            |
|-------------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
|                   | Results   | % of sales | Results    | % of sales | Results   | % of sales | Results   | % of sales | Results   | % of sales | Results   | % of sales |
| Net Sales         | 2,561,593 | -          | 10,330,505 | -          | 2,827,130 | -          | 2,746,000 | -          | 2,682,651 | -          | 2,074,724 | -          |
| Gross Profit      | 836,742   | 33%        | 2,870,026  | 28%        | 841,542   | 30%        | 888,681   | 33%        | 644,536   | 24%        | 495,267   | 24%        |
| Operating Expense | 522,355   | 21%        | 1,827,512  | 18%        | 540,071   | 19%        | 513,919   | 19%        | 419,292   | 15%        | 354,230   | 17%        |
| Operating Income  | 314,387   | 12%        | 1,042,514  | 10%        | 301,471   | 11%        | 374,762   | 14%        | 225,244   | 9%         | 141,037   | 7%         |
| Income before Tax | 338,677   | 13%        | 1,121,930  | 11%        | 312,329   | 11%        | 415,729   | 15%        | 257,251   | 10%        | 136,621   | 7%         |
| Net Income*       | 203,393   | 8%         | 840,363    | 8%         | 208,169   | 7%         | 283,177   | 10%        | 218,207   | 8%         | 130,810   | 6%         |
| EPS               | 1.70      | -          | 7.03       | -          | 1.73      | -          | 2.37      | -          | 1.83      | -          | 1.10      | -          |

\* 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

# Consolidated Balance Sheet

| Item               | 2019/3/31 | 2018/12/31 | 2018/9/30 | 2018/6/30 | 2018/3/31 |
|--------------------|-----------|------------|-----------|-----------|-----------|
| Total Assets       | 8,179,523 | 8,366,511  | 8,067,564 | 8,033,661 | 7,444,294 |
| Current Assets     | 6,090,712 | 6,415,599  | 5,898,420 | 5,944,339 | 5,471,542 |
| Cash & Equivalents | 1,991,012 | 2,060,229  | 1,993,785 | 2,405,012 | 2,095,484 |
| AR                 | 1,262,449 | 1,359,114  | 1,337,906 | 1,282,062 | 1,061,062 |
| Inventory          | 1,797,371 | 2,071,021  | 1,847,433 | 1,383,334 | 1,593,972 |
| Total Liability    | 2,580,779 | 3,160,839  | 2,952,456 | 3,336,640 | 2,368,288 |
| AP                 | 1,060,942 | 1,560,675  | 1,705,977 | 1,451,449 | 1,015,965 |
| Shareholder Eqt.   | 5,598,744 | 5,205,672  | 5,115,108 | 4,697,021 | 5,076,006 |

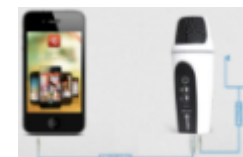
Unit: NT\$ thousands  
Accounting standard: IFRS

# SOC

## mCore (鈐創電子)

### DSP (digital audio)

8/16/32 bit MCU



### Card readers



# SOC

## INFST (極創電子)

### AC-side power management & PWM IC

Power Management ICs





## Strategic Marketing Director

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# Thank you



*Lighting up your life.*

***Sitronix***