

Investor Conferences Q2 2020

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 small, light-colored dots scattered across the background, particularly on the left side.

Sitronix

About Us

Company Name	Sitronix Technology Corp.
Established	July 9, 1998
Capitalization	USD 40 million
Chairman and CEO	Vincent Mao
Employees	Parent: 400 Group: 873
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

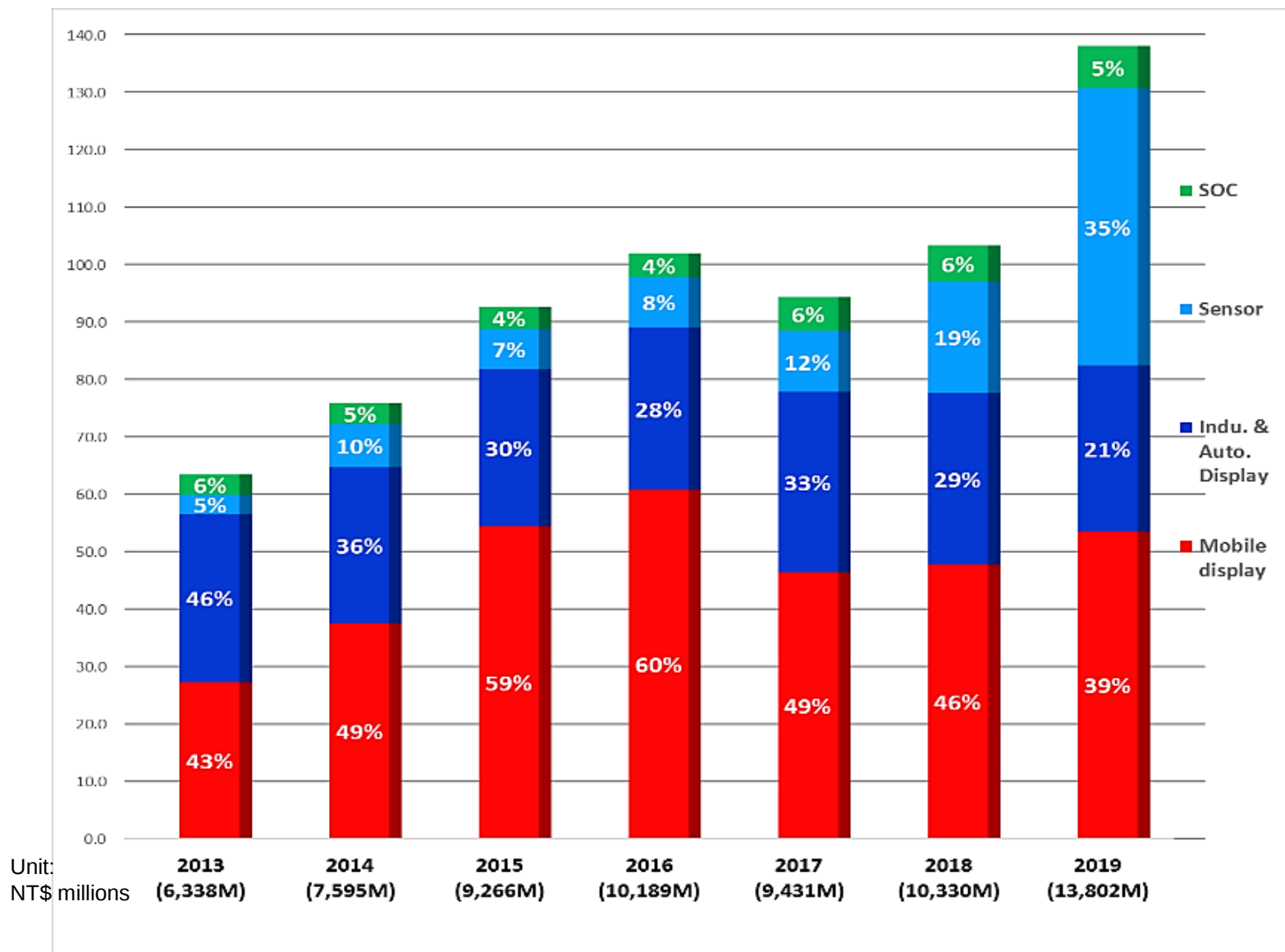


Differentiation

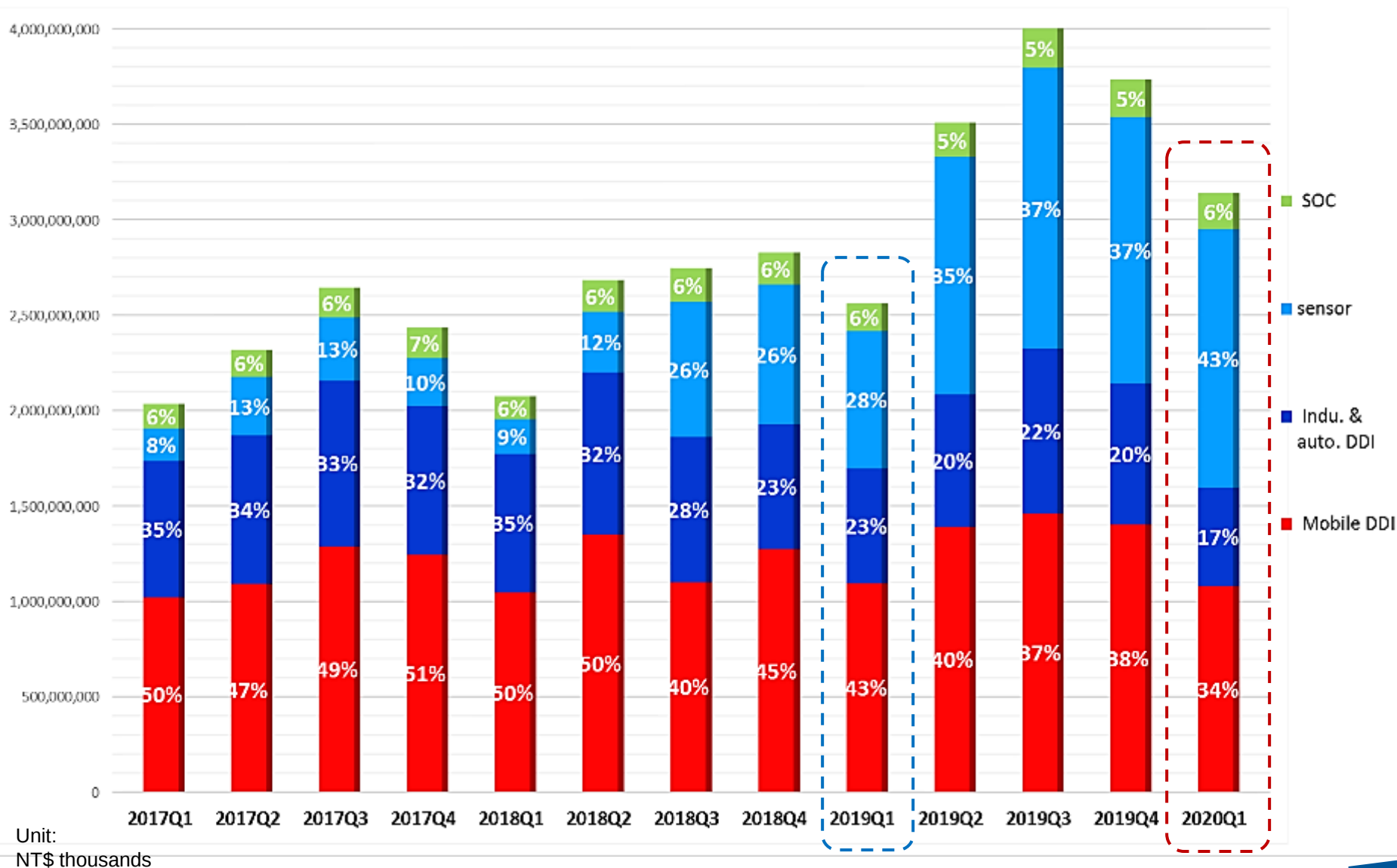
Diversification

Incubator

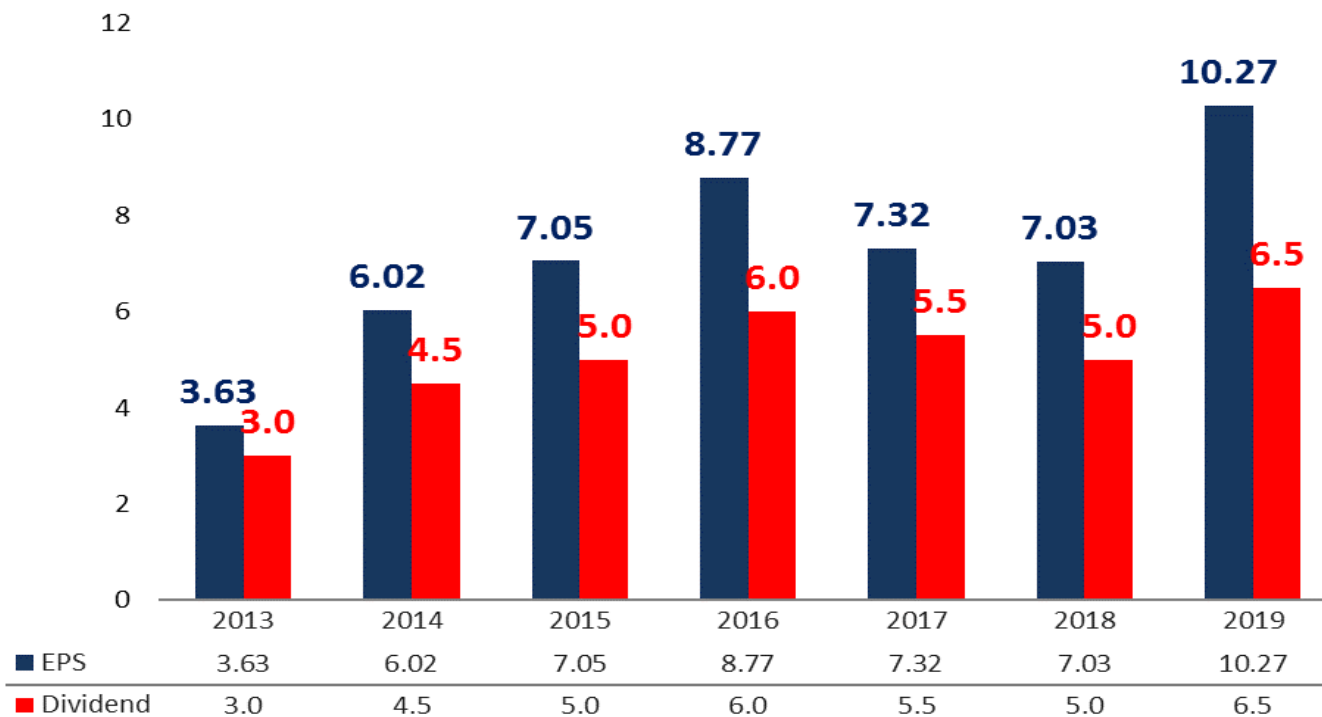
Product Mix



Quarterly 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%									
2019	1.70	33%	2.80	33%	3.22	32%	2.54	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

Differentiation

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



Sitronix's Patents



Conventional LCD module



2~20 components
on FPC

Zero Cap. LCD module



0 components
on FPC



BOM cost



Processing cost



Short lead
time



high reliability

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



Smaller FPC

Automotive Display Driver ICs

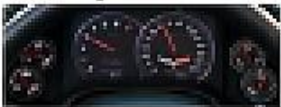
Diversification

< 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

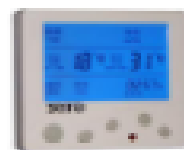
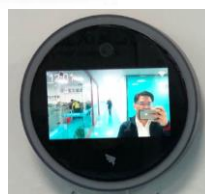
Mono TFT

Color TFT



Diversification

TN / STN / mono TFT / color TFT



Ultra Low Power a-TFT Drivers for new applications

IoT, wearable devices, e-payment



光學感測晶片 Optical Sensors

Ambient Light Sensors

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

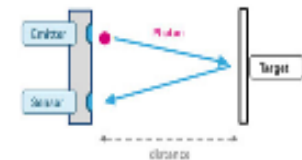


Proximity Sensors

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

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

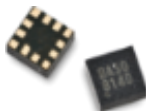


微機電感測晶片 MEMS Sensors

Accelerometer Sensors (GS)

→ Rotation detection

加速度感測晶片 → 屏幕旋轉偵測

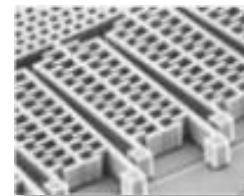


GS shipment

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



Click detection

- Incoming call
Click to answer
Double click to reject
- AI assistant
- Music mode
Click to pause
Double click to switch

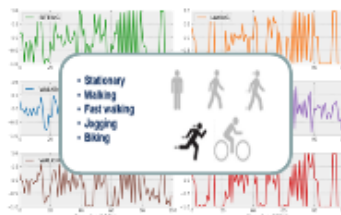
Smart watches & fitness trackers

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



Consolidated Income Statement

Item	Q1 20		2019		Q4 19		Q3 19		Q2 19		Q1 19		2018	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	3,138,847	-	13,802,738	-	3,732,936	-	4,000,478	-	3,507,731	-	2,561,593	-	10,330,505	-
Gross Profit	1,011,677	32%	4,385,345	32%	1,123,077	30%	1,280,271	32%	1,145,255	33%	836,742	33%	2,870,026	28%
Operating Expense	569,936	18%	2,308,582	17%	580,831	16%	630,271	16%	575,125	17%	522,355	21%	1,827,512	18%
Operating Income	533,095	17%	2,086,426	15%	542,247	15%	659,662	16%	570,130	16%	314,387	12%	1,042,514	10%
Income before Tax	549,896	17%	2,203,422	16%	570,358	15%	693,490	17%	600,897	17%	338,677	13%	1,121,930	11%
Net Income*	291,416	9%	1,230,588	9%	305,616	8%	386,629	10%	334,950	9%	203,393	8%	840,363	8%
EPS	2.43	-	10.27	-	2.54	-	3.22	-	2.80	-	1.70	-	7.03	-

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	2020/3/31	2019/12/31	2019/9/30	2019/6/30	2019/3/31
Total Assets	11,315,424	10,760,904	10,013,046	9,574,510	8,179,523
Current Assets	9,386,607	8,626,168	7,945,341	7,469,564	6,090,712
Cash & Equivalents	3,356,031	2,932,647	2,944,608	2,421,768	1,991,012
AR	1,248,372	1,398,832	1,427,273	1,544,322	1,262,449
Inventory	2,387,205	1,909,664	1,731,420	1,832,545	1,797,371
Total Liability	5,630,077	4,155,212	4,003,106	3,970,689	2,580,779
AP	2,065,666	2,085,145	2,064,045	1,741,286	1,060,942
Shareholder Eqt.	5,685,347	6,605,692	6,009,940	5,603,821	5,598,744

Unit: NT\$ thousands
Accounting standard: IFRS

We'd love to hear from you!

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Lighting up your life.

Sitronix