

EPISTAR 晶電2448



Actualize III-V Semiconductor Potential



..... Co-activation Service Model

..... Full Spectrum LED Chips Portfolio

..... Chip Solution for Various Applications

免責聲明

These presentation materials include forward-looking statements that are subject to significant risks and uncertainties and actual results may differ materially from those contained in the forward-looking statements.

The factors that could cause actual results including, but not limited to current uncertainty in global market conditions, our development in new technologies and products, our ability to lower costs, the complexity of our manufacturing processes, the availability of raw materials, and the difficulties of estimating future market demand.

Our industry and business are constantly evolving and we undertaking no obligation to update any forward-looking statements, whether as a result of new information, future events, or otherwise.

晶元光電公司簡介

成立時間：1996年

董事長：李秉傑 博士

總經理：范進雍

資本額：新台幣109億元

員工數：3,319人(截至2020年1月)

產品線：

- 四元(紅黃光)LED磊晶片及晶粒
- 氮化物(藍綠光)LED磊晶片及晶粒
- 紫外線/紅外線LED晶粒
- III-V 太陽能晶片



發展沿革與重要事蹟

公司重要事蹟



Jan. 2019
子公司元豐新
科技推展mini
LED解決方案

Oct. 2018
分割新設子公
司晶成半導體

Sep. 2016
合併全資子公
司璨圓與廣錄

Aug. 2015
與CREE達成
專利交互授
權協議

Mar. 2015
合併台積固態
照明

Dec. 2014
璨圓成為晶電
全資子公司

Feb. 2014
與PHILIPS
達成專利交
互授權協議

Dec. 2012
廣錄成為晶電
全資子公司

Nov. 2010
成立豐晶公司
(與日本豐田
合成合資)

Mar. 2007
合併元碁、
連勇

Dec. 2005
合併國聯光電

May 2001
上市
(臺灣證券交易所)

Sep. 1996
成立於
新竹科學園區

1996 2001 2005 2007 2010 2012 2014 2015 2016 2018 2019

資產負債表主要科目

(In NT \$Billions)	2019.12.31		2019.09.30		2018.12.31	
約當現金及有價證券	6.4	10.9%	5.7	9.5%	6.3	10.0%
應收帳款	9.2	15.7%	9.4	15.7%	10.4	16.6%
存貨	3.3	5.6%	3.8	6.4%	4.7	7.5%
長期投資	0.7	1.2%	0.7	1.2%	1.1	1.8%
固定資產淨額	20.6	35.1%	21.1	35.3%	22.4	35.7%
資產總額	58.7	100.0%	59.8	100.0%	62.7	100.0%
流動負債	7.0	11.9%	7.1	11.9%	9.1	14.5%
長期計息負債	1.0	1.7%	0.6	1.0%	0.4	0.6%
負債總額	11.5	19.6%	11.4	19.1%	11.8	18.8%
股東權益總額	47.2	80.4%	48.4	80.9%	50.9	81.2%

2019年第四季與第三季損益比較

(In NT \$Millions)	2019年第四季		2019年第三季		QoQ	
營業收入	4,007	100.0%	4,172	100.0%	(165)	(4.0%)
營業毛損	(58)	(1.4%)	(45)	(1.1%)	13	28.9%
營業費用	(921)	(23.0%)	(894)	(21.4%)	27	3.0%
其他收益及費損	115	2.9%	64	1.5%	51	79.7%
營業淨損	(864)	(21.6%)	(875)	(21.0%)	(11)	(1.3%)
淨外幣兌換損失	(132)	(3.3%)	(47)	(1.1%)	85	180.9%
利息費用	(35)	(0.9%)	(47)	(1.1%)	(12)	(26.0%)
其他營業外收入及支出	(103)	(2.6%)	27	0.6%	130	481.5%
稅前淨損	(1,134)	(28.3%)	(942)	(22.6%)	192	20.4%
稅後淨損	(1,286)	(32.1%)	(926)	(22.2%)	360	38.9%
每股虧損(NT\$)	(1.14)		(0.79)		0.35	44.3%

2019年與2018年同期損益比較

(In NT \$Millions)	2019年		2018年		YoY	
營業收入	15,960	100.0%	20,307	100.0%	(4,347)	(21.4%)
營業毛利(損)	(432)	(2.7%)	2,678	13.2%	3,110	116.1%
營業費用	(3,517)	(22.0%)	(3,578)	(17.6%)	(61)	(1.7%)
其他收益及費損	257	1.6%	221	1.1%	36	16.3%
營業淨損	(3,692)	(23.1%)	(679)	(3.3%)	3,013	443.7%
淨外幣兌換利益及損失	(128)	(0.8%)	123	0.6%	251	204.1%
利息費用	160	1.0%	185	0.9%	(25)	(13.5%)
其他營業外支出	(94)	(0.6%)	(496)	(2.4%)	(402)	(81.0%)
稅前淨損	(3,754)	(23.5%)	(867)	(4.3%)	2,887	333.0%
稅後淨損	(3,938)	(24.7%)	(506)	(2.5%)	3,432	678.3%
每股虧損(NT\$)	(3.48)		(0.42)		3.06	728.6%

LED產業目前市場狀況

- 近年來中國同業擴產，至2019下半年仍供需失衡
- 同業庫存大幅上升，減產及去化庫存，以增加現金流入
- 無成本優勢及沒有差異化的廠商，正面臨市場洗牌考驗
- 預計2020下半年Mini LED需求量將逐步提高

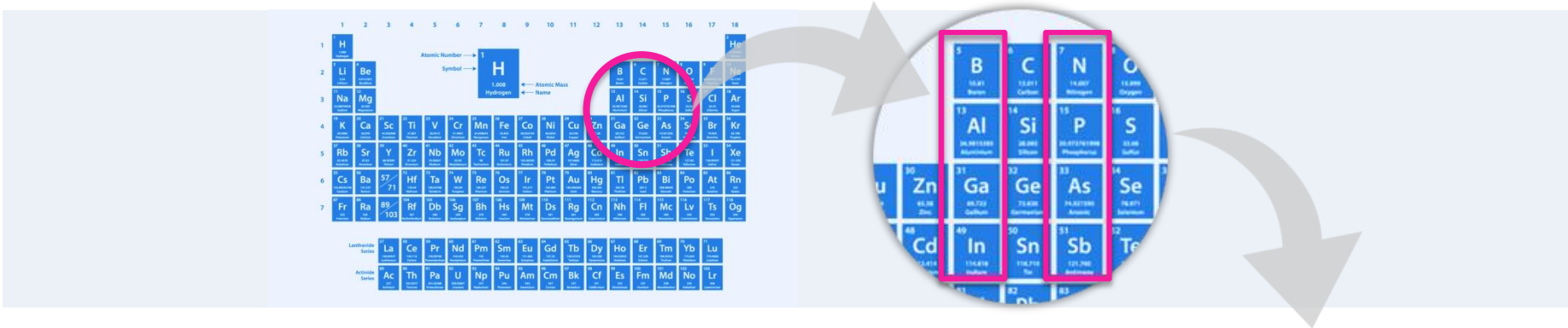


實現LED應用無限可能



實現三五族半導體應用無限可能

延伸至三五族半導體的應用



LED

- Illumination
- Signals
- Automotive
- Mobile Application

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Laser Diodes

- Optical Storage
- Industry Medical
- Projector
- Fiber commutation

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Power

PFC / Power/Supply
PV Inverter/
EV / HEV/UPS

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RF Electronic

5G
Wireless charge

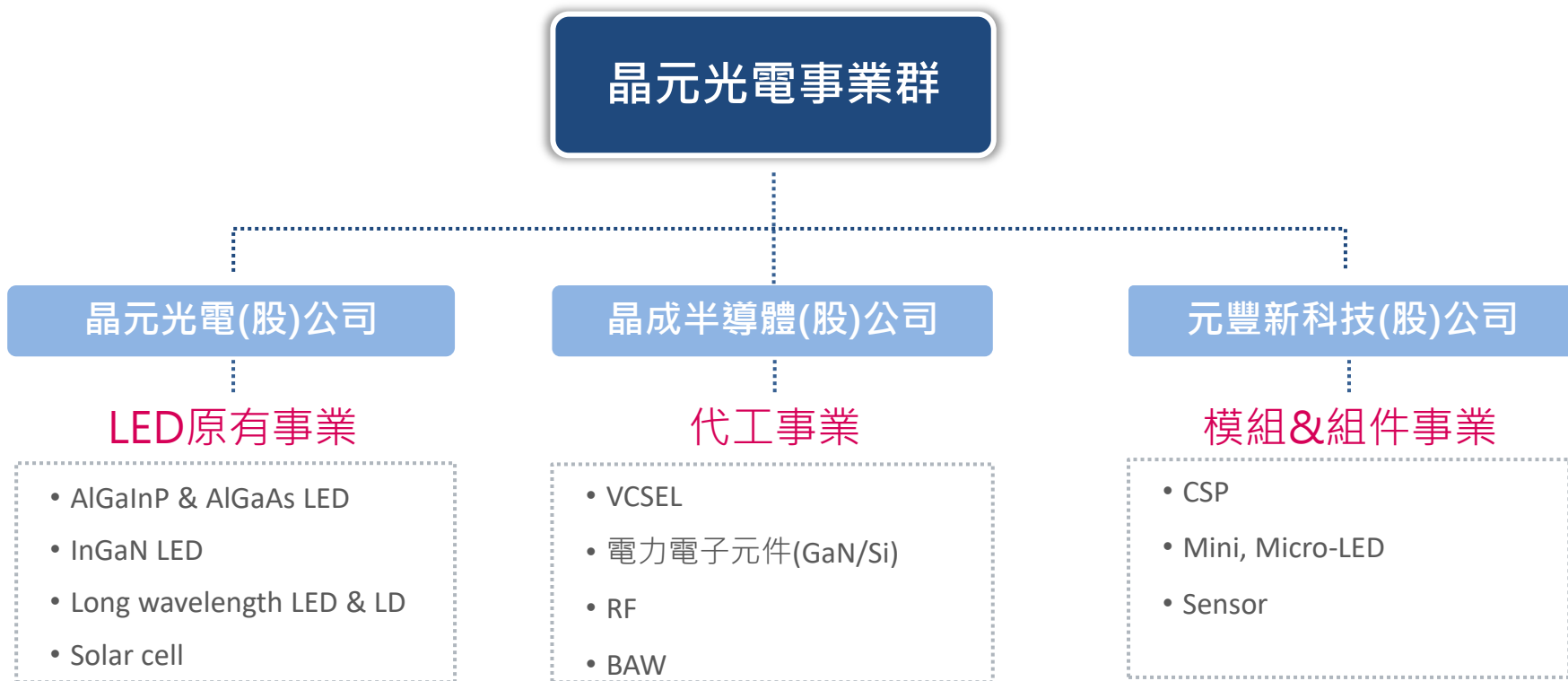
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Acoustic wave

BAW Device
Mobile Phone

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晶元光電事業群



晶元光電事業群-成長動能

- 未來的顯示屏-Mini-LED/Micro-LED
- 新世代的智能車- GaN Power/LiDAR
- IoT -/Sensor/Power Module
- 5G 的時代來臨- Solar Cell/BAW....
- 3D Sensing, VR/AR – VCSEL

