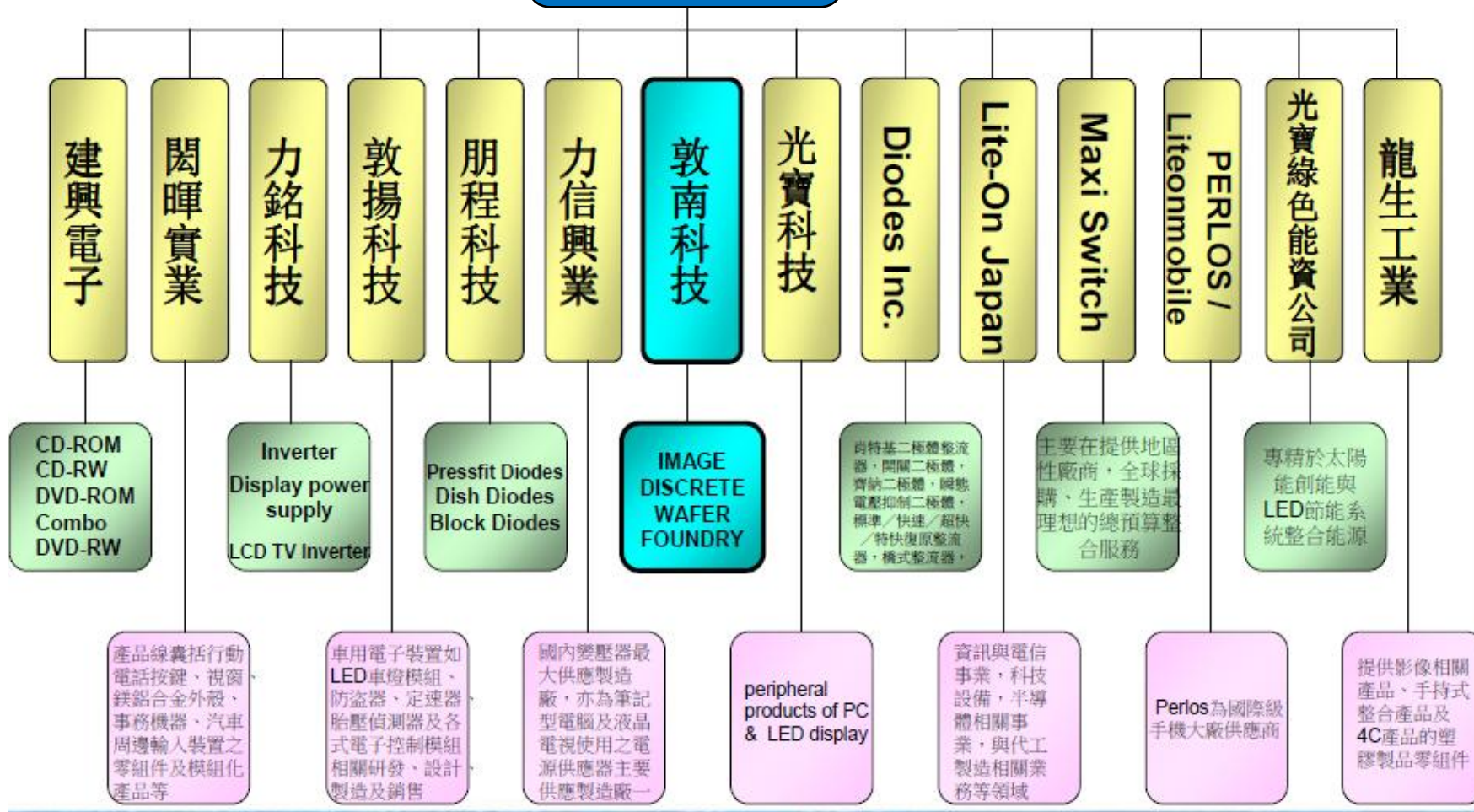


Background & Development

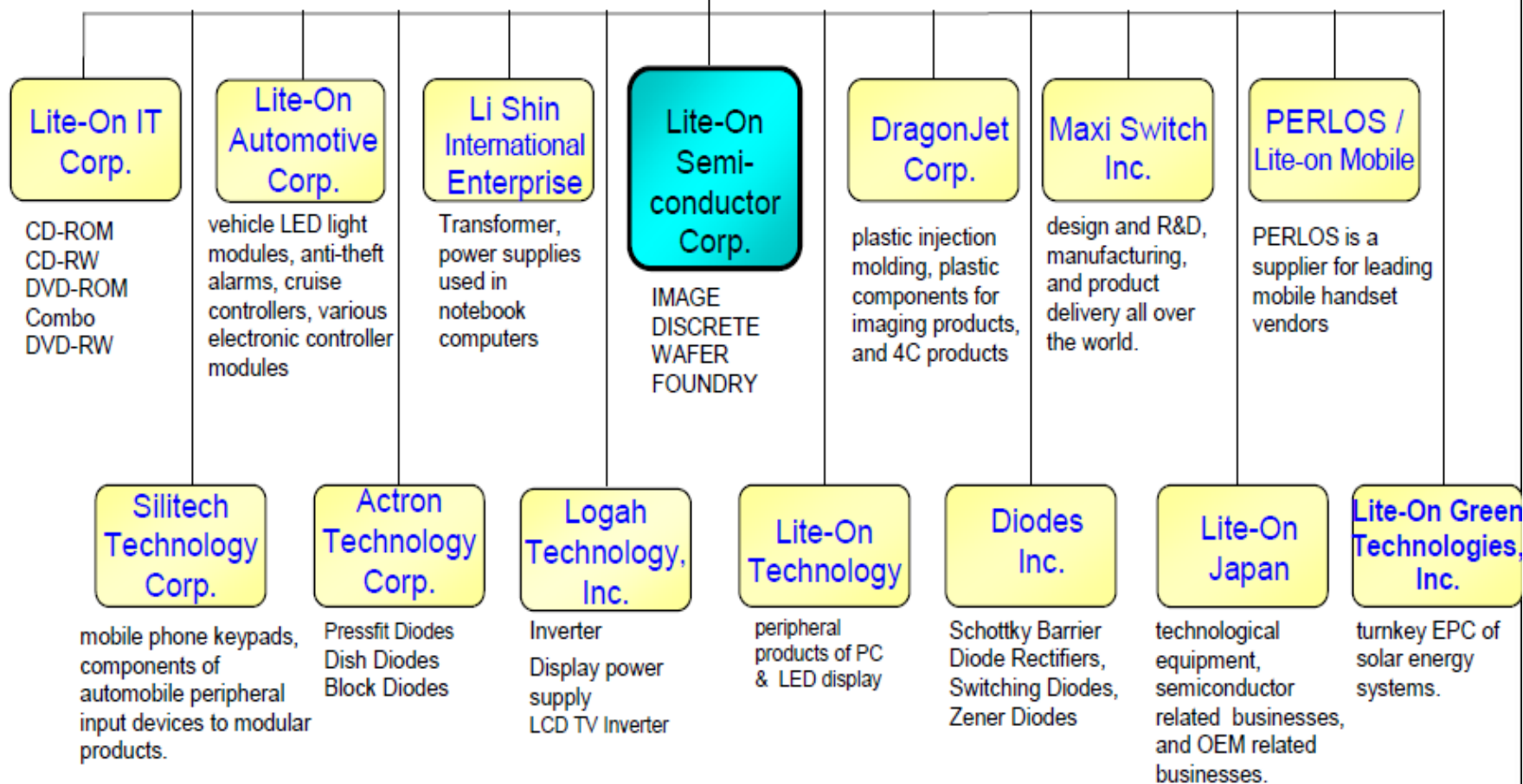


*Prepared by Frank Chiu
Discrete Division*

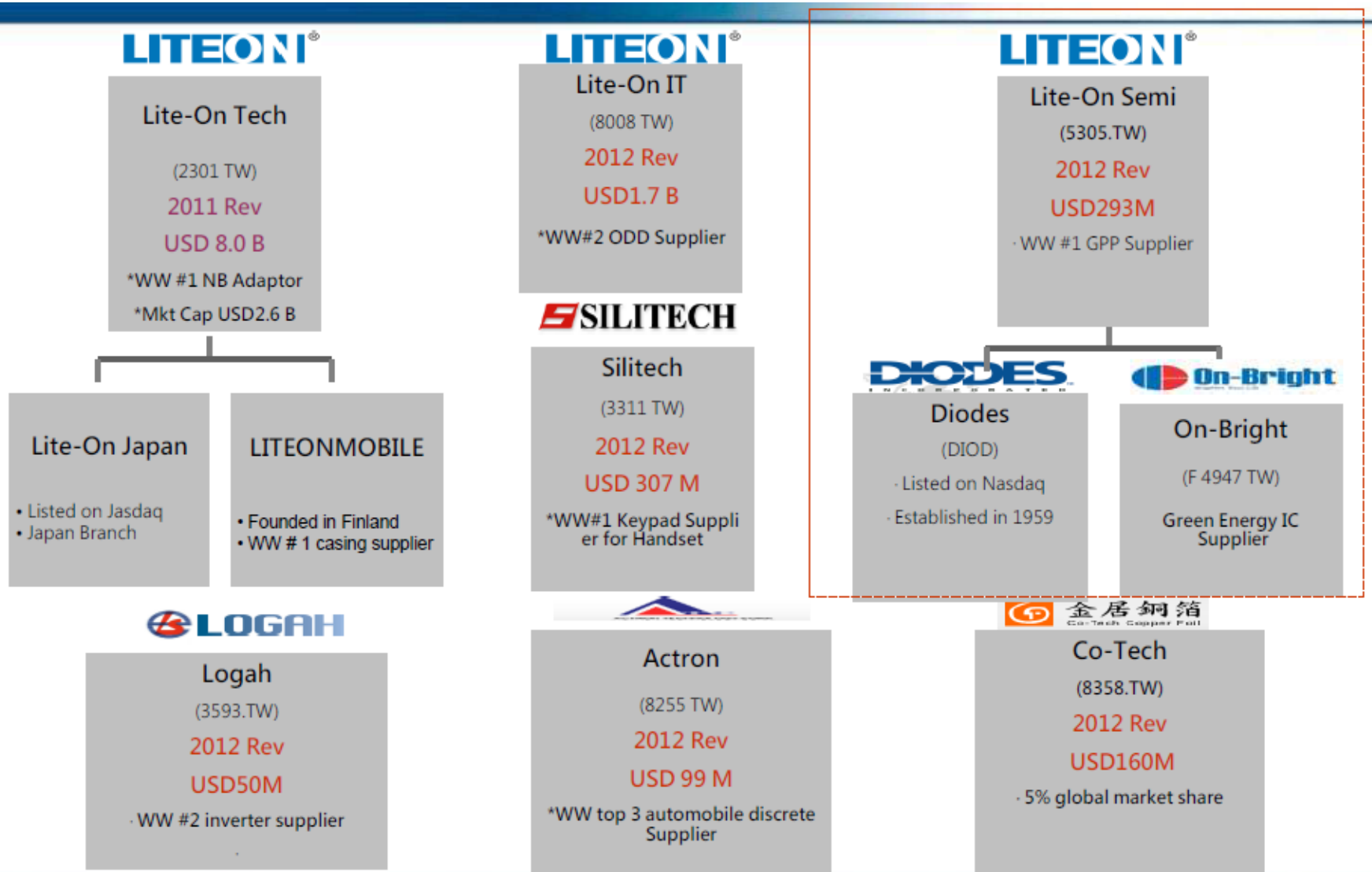
光寶集團



Lite – On Group



Lite-on Group Listed Around The World



Taiwan Stock Ticker	:	5305
Date Established	:	1990 April 12th
Capital	:	USD 160 Million
No. of Employees	:	2,240
2013 Revenue	:	USD 250 Million
Major products	:	Semiconductor Components
Book Value (as of 3Q 2011)	:	USD 504 Million

About Liteon Semiconductor Corp.

- 敦南科技股份有限公司(台股代號：5305)成立於1990, 公司總部位於新北市 新店區，並在基隆、新竹、大陸無錫及上海地區設立五個業務及生產基地。為加強客戶服務及拓展新市場，敦南將持續在中國大陸及亞太地區重點城市設立更多業務及技術支援服務據點。敦南科技設計、開發、封裝測試並生產主要應用在通訊、資訊、消費性電子產品的電源供應器及系統電源管理用的各式綠色節能半導體元件。
- 自2011年起敦南正式躍居全球交流轉直流橋式整流器的最大供應商。敦南是全球少數擁有相當完整綠色節能產品平台的企業，能將平台上的分離式元件、類比IC及光源感測IC整合進電路達到最小耗電量。
- 隨著世界各國陸續對家電及消費電子產品的待機與效率開始實施越來越嚴格的省電要求, 綠色節能已蔚為國際趨勢, 且將推動全球電源管理持續成長。敦南也將持續努力增加綠色節能產品平台上的深度及廣度，目標成為全球最佳綠色節能半導體元件供應商。
- 截至2011年底，敦南科技擁有在那斯達克上市的達爾科技(代號: DIOD)約18.40%的股票。達爾科技在特殊型及標準型的分離式元件及類比IC產品因技術領先及高品質的優勢，在全球的半導體產品市場享有不錯的市佔率及口碑。

Taiwan Stock Code	:	5305
Date Established	:	1990 April 12 th
Capital	:	NTD 4.4 Billion
No. of Employees	:	about 3,292 (As of Jun , 2013)
2013 Revenue (consolidated)	:	NTD 7.5 Billion , CNY 1.5 Billion
Major products	:	Over 80% of Green Power related semiconductor components
Book Value (As of Jun 2013)	:	NTD 16.54 (per share)
Certification	:	

**ISO-9001, ISO-9002, ISO-14001,
TS16949, OHSAS**



Company Milestones

1990

LSC was founded with a focus in optical products. Capitalization : NTD198 million

1995

Became OTC listed, set up our subsidiary in the Philippines.

2000

Merged with Discrete company, Lite-On Power to form Lite-On Semiconductor Corp., and built a solid foundation for our total power management solution

2004

Transferred to trade on the main board. Set up On Bright Electronics in Shanghai with a focus in Analog IC research & development which is a key component to our total power management solution. Capitalization : NTD3.3 Billion.

2005

Merged Antek, a 6 inch fab to complete our total power management solution composition, and became an IDM company which aims to better serve our customers with one-stop-shopping, testing solution and also a more reliable quality and easier maintenance.

2010

Our two major business units joined forces and successfully developed the ambient light and proximity sensors and became branded Tablet PC, LED TV & global Smart Phones suppliers. Withdrew from the CCM product market to cut losses.

2011

Form a Green Power products platform to meet different customers demand through matrix combination. Our Subsidiary, On-Bright Electro became OTC listed in Taiwan

2012

Co-work with global top 3 foundry to develop high end process and also built Chip Processing house, high end packaging house to strengthen and expand the breadth and depth of our Green Power Product platform

2013

Ambient Light Sensor obtained Win 8 certification/Mini GPP venture into Mobile Device



* May 2004: Common
Wealth 50 Best Taiwanese companies in
Operation

* May 2005 : Economics
China Times [Top 1000 Taiwanese companies
in China] Rank TOP 50.

* May 2005 : e Common
Wealth selected as TOP 100 Taiwan Tech
companies.



* May 2006: Digi-Times
TOP 100 Taiwan Tech

* Jun 2006: Business Weekly
[TOP 100] Rank TOP 50

* October 2006 : Business Week
#76 in Asia Hot Growth

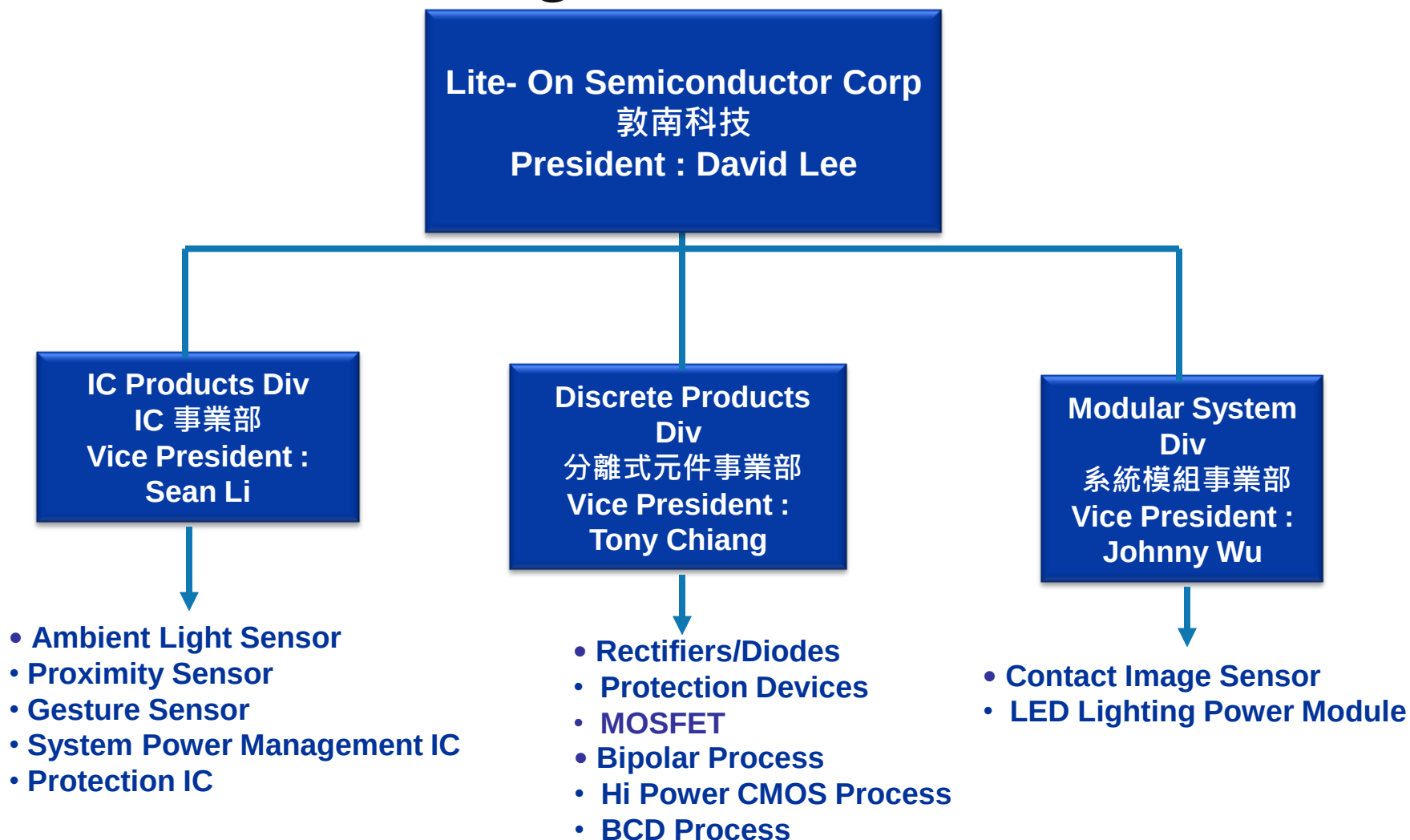


* May 2007 : Common
[Top 1000 Taiwanese companies in China]

* November 2007 : YAZHOU ZHOUKAN
TOP 1000 Taiwanese in whole word

* Jan 2010 : Invest Weekly
Project : The change for new development

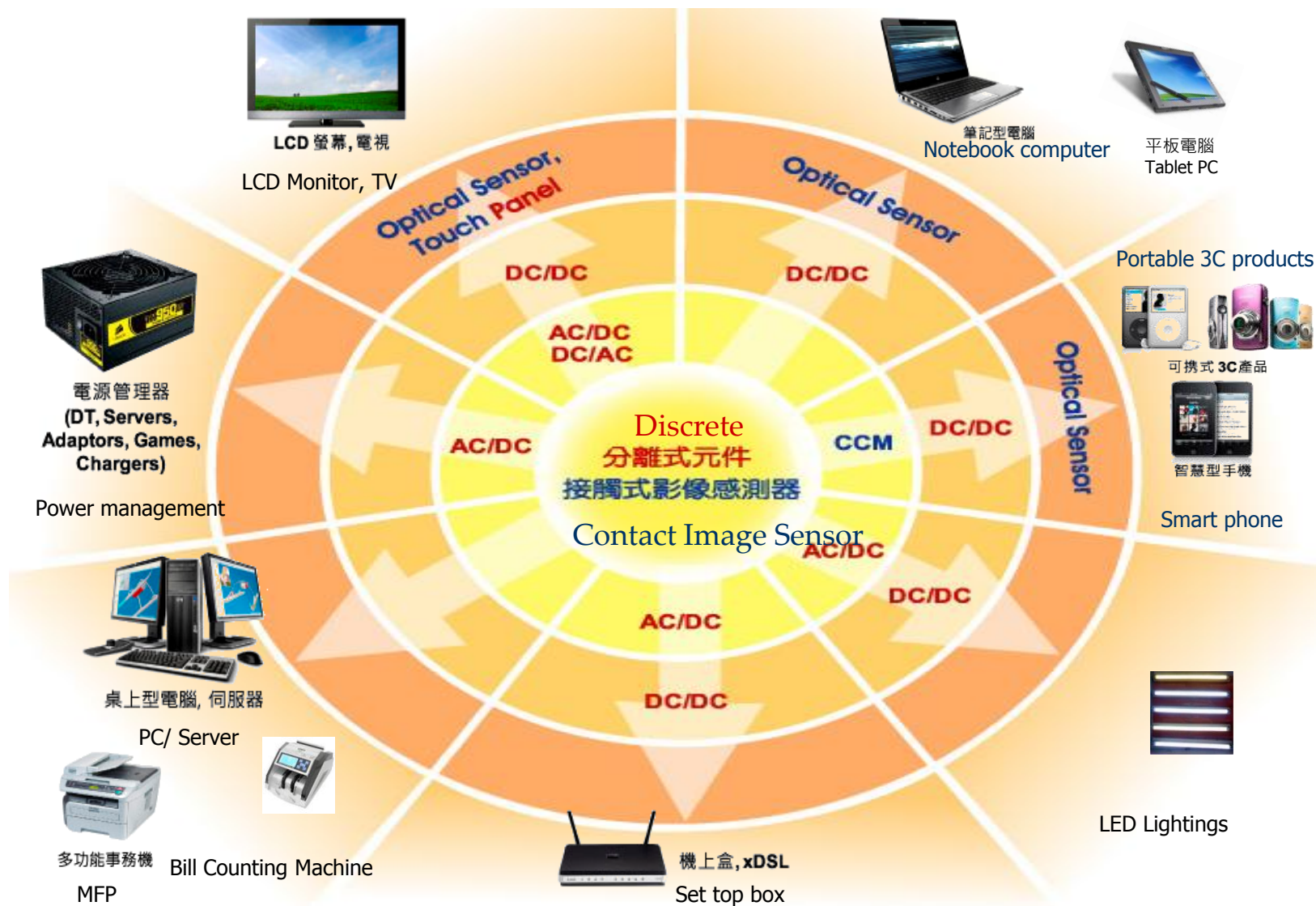
LSC Organization Chart



LSC Product & Customer Development Strategy



Products Development



LSC Products Positions

GPP Bridge

**Global #1
Supplier**



**Ambient
Light/
Proximity
Sensor**

**Top 5
Supplier in
China Market**



筆記型電腦



**Taiwan Top 3
Supplier**

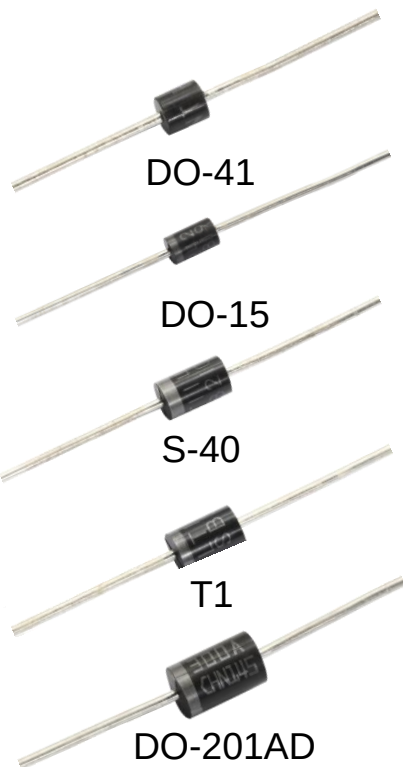
Discrete



**Green
Power
Platform**



SSEC Packaging Capacity



APD

109 M pcs per Month



DPAK



TO-220AC



D2PAK



TO-220AB



ITO-220AB



TO-3P

TO

15 M pcs per Month



SMA



SMB



SMC



MITE FALT



MITE



SMA FALT

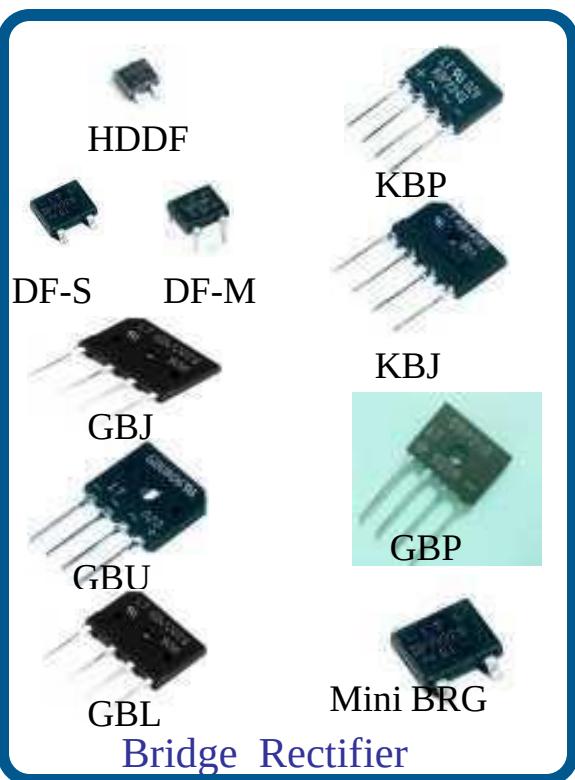


SMB FALT

SMD

247M pcs per Month

WMEC Packaging Capacity



	Clip bond		Wire bond			
Package	GPP BRG	TO/ITO	TO (EQ Single dice)	SO8P (Au+Cu)	DFN	SOT (Cu)
Total Capacity (M/month)	64.8	13.7	6.4	2.8	15.3	8



**Product
Expansion**

**LSC Revenue
&
Profit Growth**

**Market
Expansion**

- **Expand Product Breadth & Depth** → **from PCs to Industrial / Household Appliances / Mobile Devices**
- **Miniaturization & Power Efficiency** → **from power supply to charger**
- **Green Power Platform** → **increase sales and services with minimum effort increase**

LSC Presence In Mobile Devices

Off Line Power Management

- * GPP Bridge
- * Schottky
- * MOSFET
- * PWM
- * Linear Regulator

Protection

- * ESD Array
- * USB 2.0/ USB 3.0 ESD
- * Thunderbolt ESD
- * Battery Management System IC

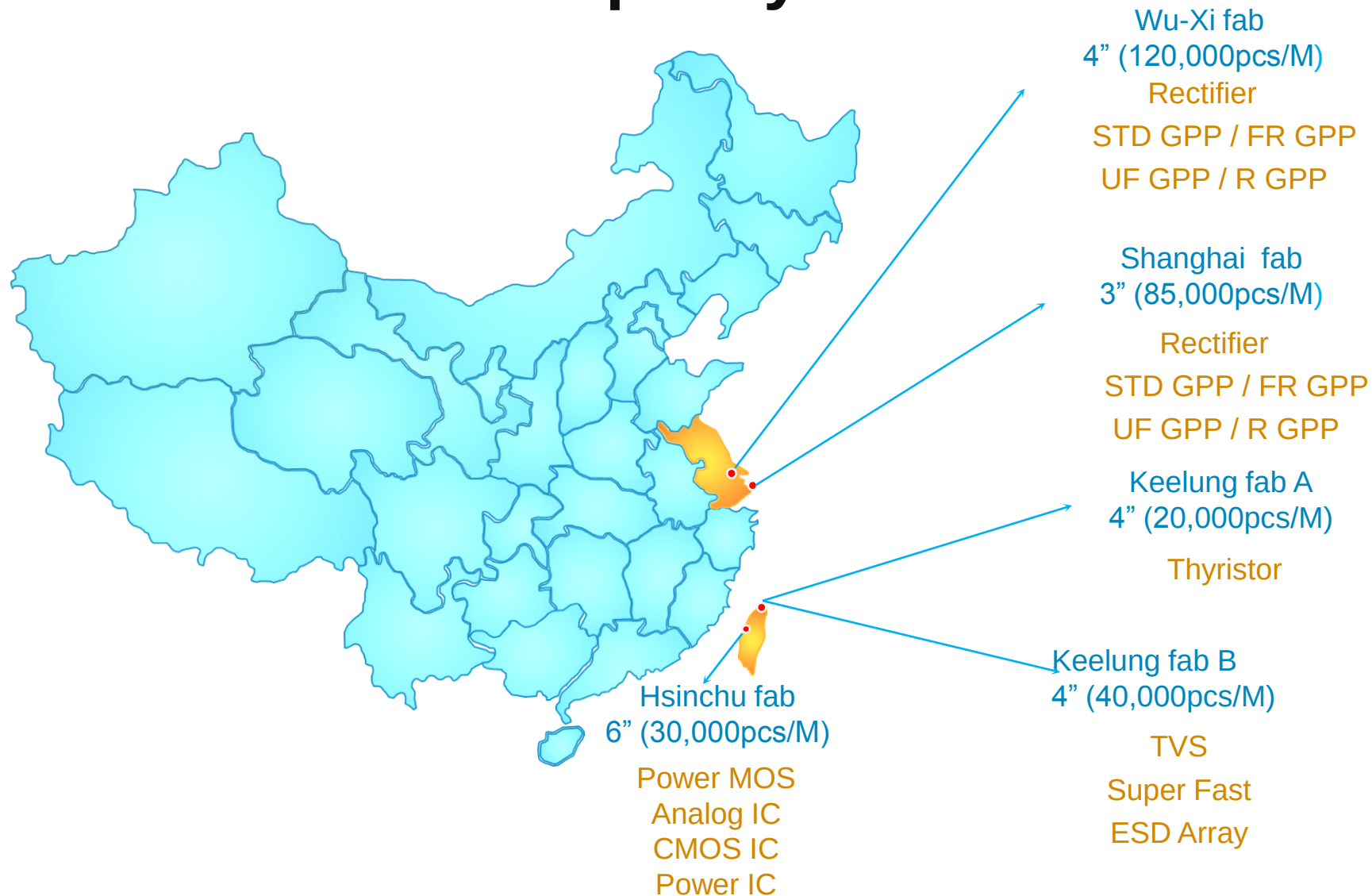


System / Battery Power Management

- * Schottky
- * MOSFET
- * Proximity Sensor
- * Ambient Light Sensor
- * Small Signal Diode
- * PWM
- * Linear Regulator



Wafer Fab Capacity & Locations



Keelung Plant Year 1990



- **Total Space: 3126M2**
- **Employee: 400 persons**
- **Products: R & D , 4" Fabs on Thyristor
TVS / SF / TSPD / ESD Array**

Shanghai (SSEC) Plant Year 1993



- **Total Space:** 20,473M2
- **Employee:** 740 persons
- **Products:** 3" GPP Fab 、 Assembly / Test
(APD 、 SMD 、 TO220 ect.)

Liteon Semi (Wuxi) Year 2004



- Total Space: 100,000M2
- Employee: 469 persons (Modular System)
165 persons (Discrete)
- Products: 4" GPP Fab (1F)

Wuxi WMEC Plant Year 2005



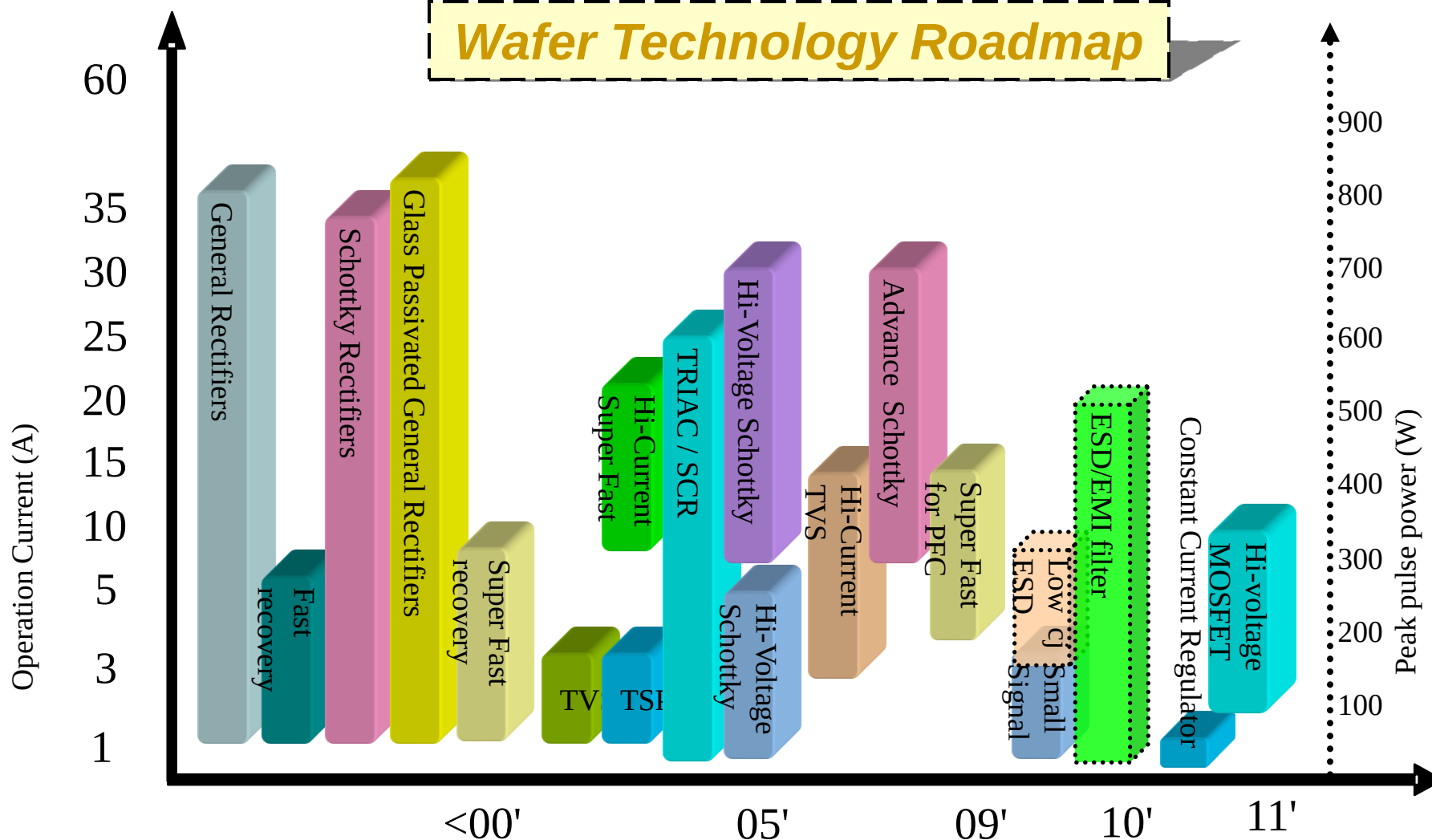
- **Total Space: 136,701M2**
- **Employee: 686 persons**
- **Products: KPB / GBU / KBJ / GBJ / GBP / GBL / DF
HDDF / TO-220W / ITO-220W / SO8 /QFN /SOT23-6**

Hsinchu Plant Year 2005

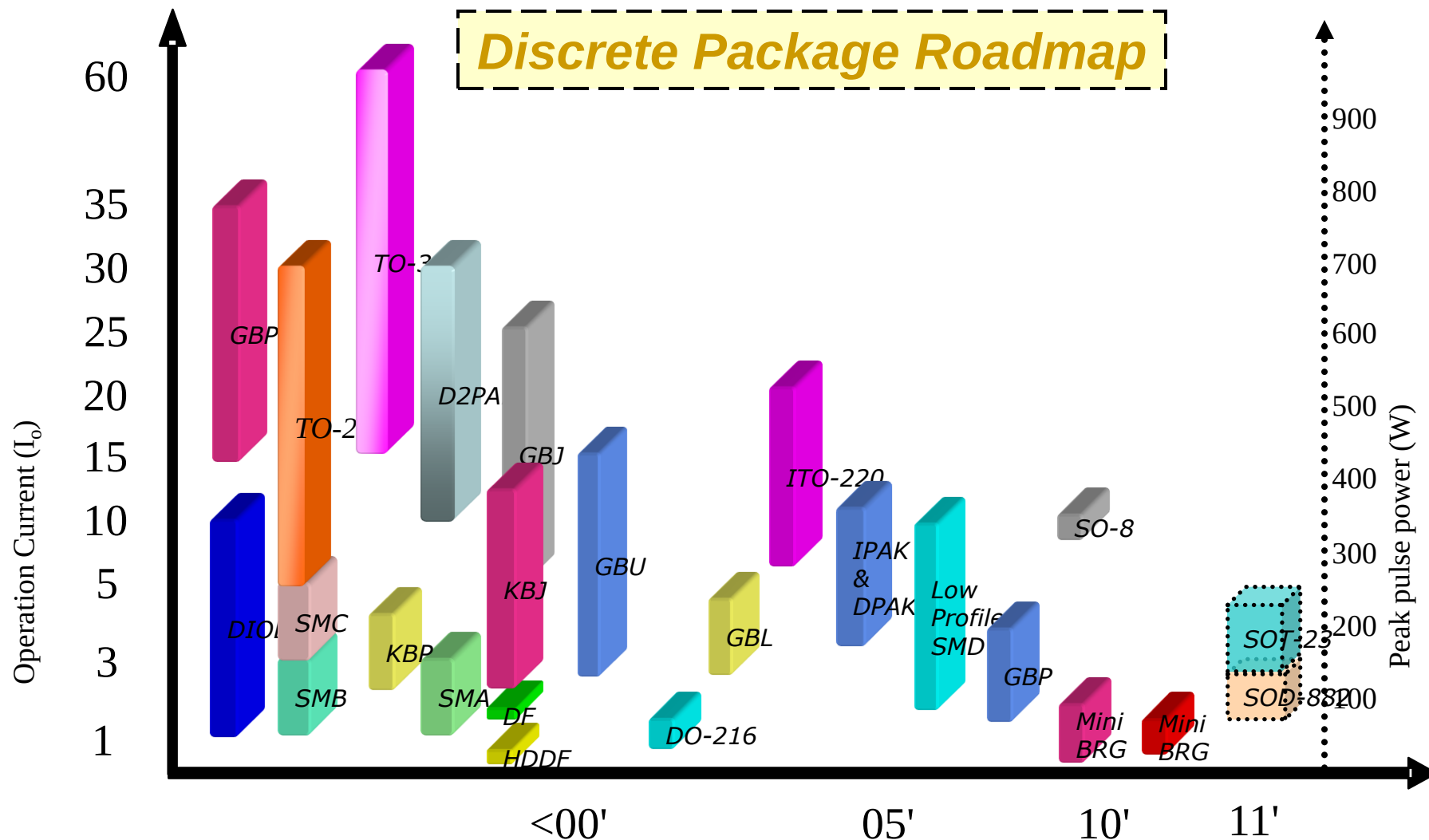


- Total space : 12,312 M2
- Employees : 421 persons
- Products : Bipolar, BCD , CMOS process, SKY

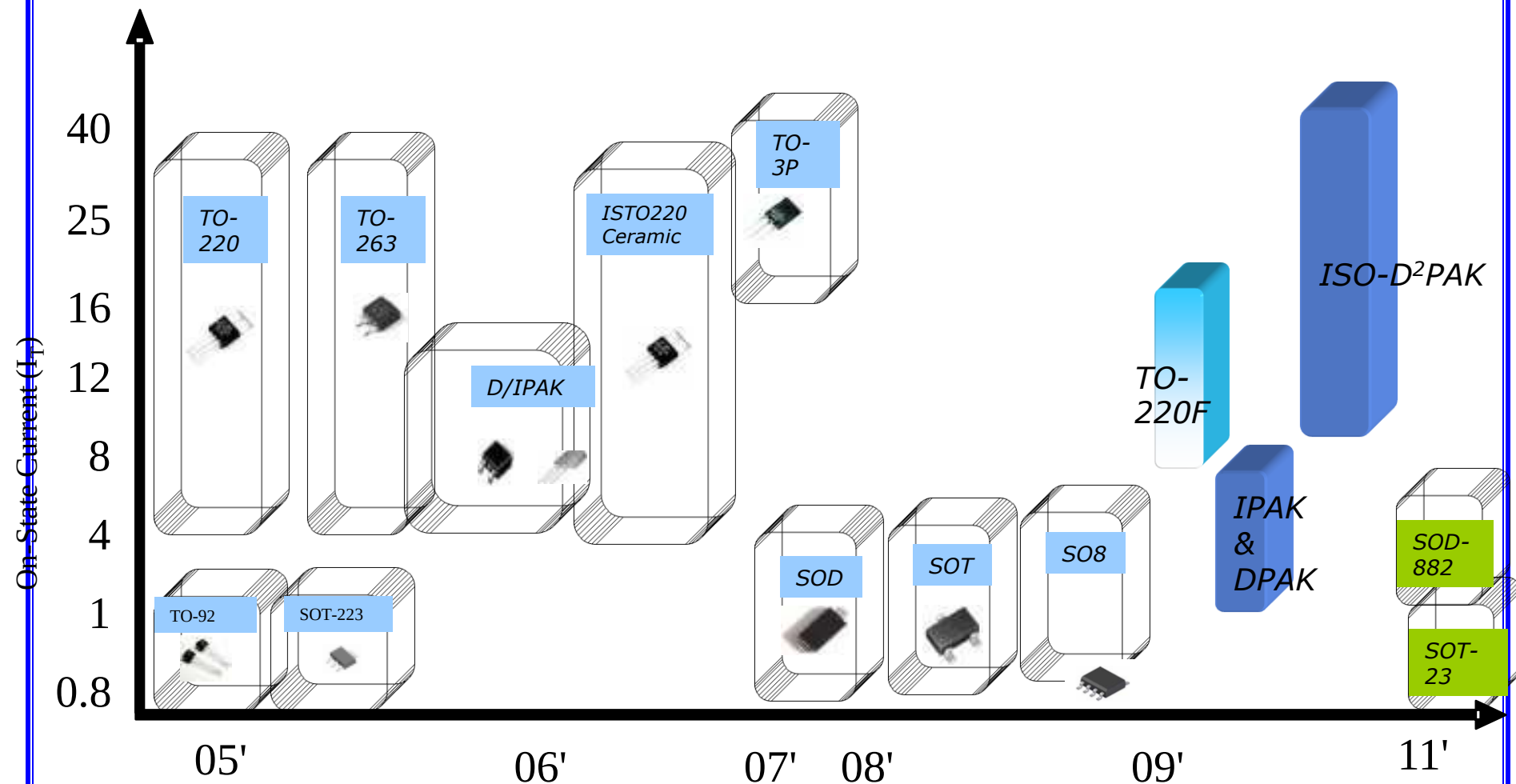
Wafer Technology Roadmap



Discrete Package Roadmap



Discrete Package Roadmap Wire bond



Serving Global Customers



Lite-On Semi Certifications



LSC Quality Certifications



ISO-9002



QS-9000



ISO-14000



TS-16949



Sony Green Partner



上海旭福
榮譽榜

LSC Certifications

First-Class Quality On-Time Delivery Customer Satisfaction

**HF
Compliant**

**RoHS
Compliant**



ISO-14001 Certification



ISO-18001 Certification



AEC-A100 Certification



**SONY Green
Partner Certification**



**ISO-16949 Certification
Seeful**



**ISO-16949 Certification
Seeful**



**ISO-16949 Certification
Keelung**



**ISO-16949 Certification
Wixi**



**ISO-16949 Certification
Wixi**



Thank You For Your Attention.

感恩您的參與

