



Sino-American Silicon Products



May.2011

Safe Harbor Notice

Any statements set forth of forward-looking statements that involve risks and uncertainties that could cause actual results to differ materially from those in the forward-looking statements.

Potential risks and uncertainties include, but are not limited to, such factors as fluctuations in product demand, the introduction of new products, the Company's ability to maintain customer and vendor relationships, technological advancements, impact of competitive products and pricing, growth in targeted markets, risks of foreign operations, foreign exchange rates, and other information detailed from time to time.

Company Profile

Established

1981

Locations :

SAS / Hsinchu, Taiwan

SSC1, 2 – Chunan, Taiwan

SST – Kunshan, China

GTI – TX, USA



Employees

2300

Main Products

Semiconductor Wafers

Solar Ingots / Wafers

Sapphire Ingots/ Wafers

Quality System

ISO-9001

QS-9000

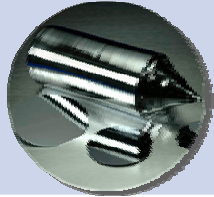
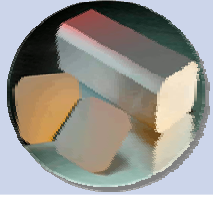
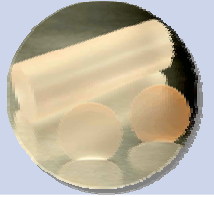
TS-16949

ISO-14001

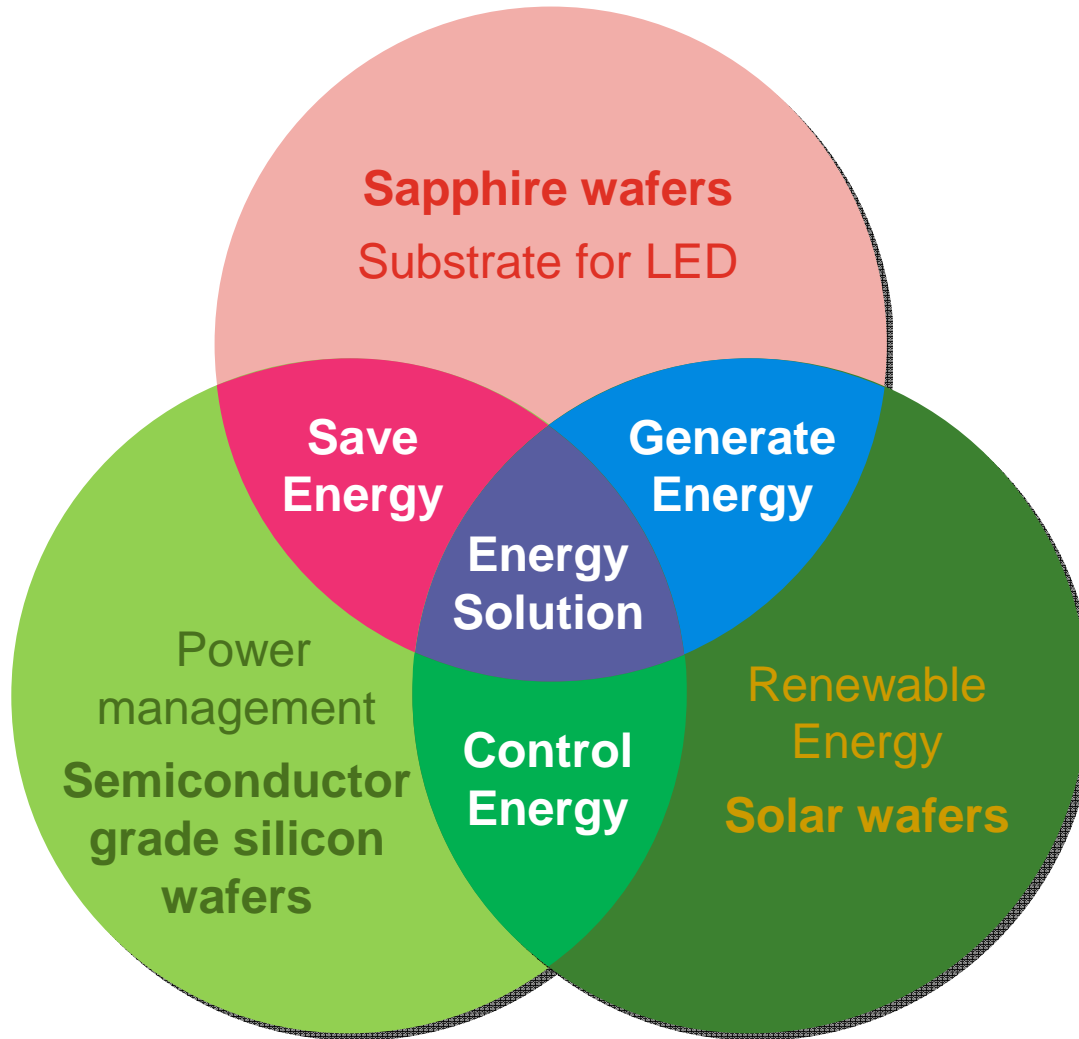
Milestones

- 1981** Sino-American Silicon Products Inc. established
- 1999** SST established in China
- 2000** Enter Solar Ingot / Wafer Business
- 2001** SAS IPO in Taiwan (OTC traded # 5483)
- 2004** Receive Taiwan Government's Excellent Enterprise Innovation Award
- 2006** SSC1 Founded in Chunan - Expansion for PV business
- 2007** Optoelectronics Business Unit established
- 2008** GlobiTech Inc. (TX USA) acquired
- 2008** Receive Taiwan Government's Outstanding Enterprise Innovation Award
- 2009** SSC 2 operation starts
- 2010** Vertical integration in Sino Solar/ Sunrise Global
- 2011** Reinvest in Powertec/Step into Sapphire ingot growing

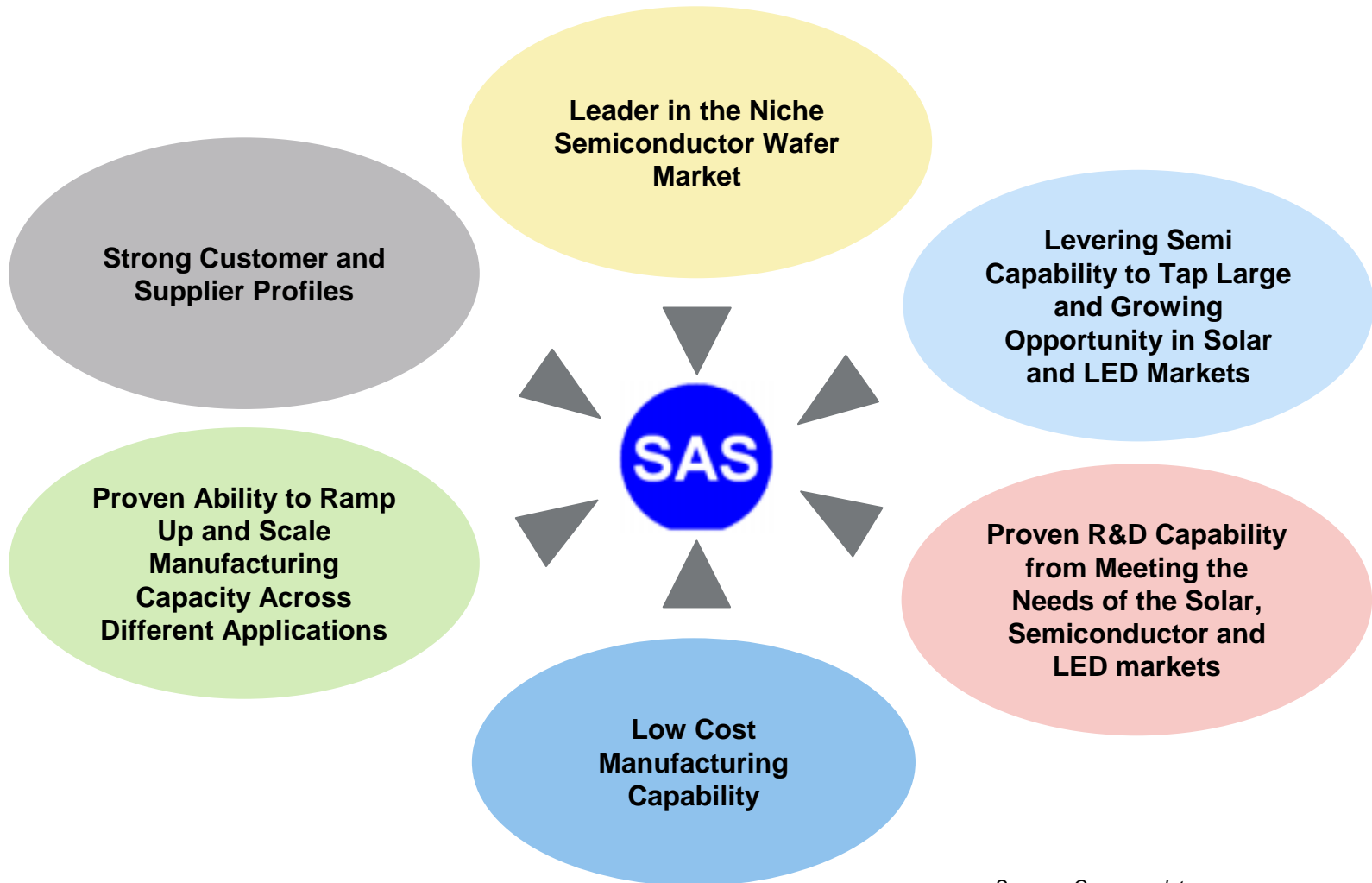
SAS Products

	Semiconductor Wafer	Solar Wafer	Sapphire Wafer
			
Product	<ul style="list-style-type: none"> ● Heavily-doped wafers ● Deep diffusion wafers ● Silicon-on-insulator ● Epitaxial wafers 	<ul style="list-style-type: none"> ● Mono and Multi ingots ● Mono and Multi wafers 	<ul style="list-style-type: none"> ● Sapphire ingots ● Sapphire wafers -PW -PSS -Nano PSS
Sites	<ul style="list-style-type: none"> ● Hsinchu, Taiwan(SAS) ● KunShan, China(SST) ● Texas, USA(GTI) 	<ul style="list-style-type: none"> ● Chunan Plant I, Taiwan ● Chunan Plant II, Taiwan 	<ul style="list-style-type: none"> ● Chunan Plant I, Taiwan
Size	● 3" - 8"	● 6" - 8"	● 2" and 4"
Application	<ul style="list-style-type: none"> ● Automotive power device ● Power discrete ● Image sensor ● MEMS 	<ul style="list-style-type: none"> ● Solar cell 	<ul style="list-style-type: none"> ● LED lighting lamp ● Back light module

Product Development Strategy

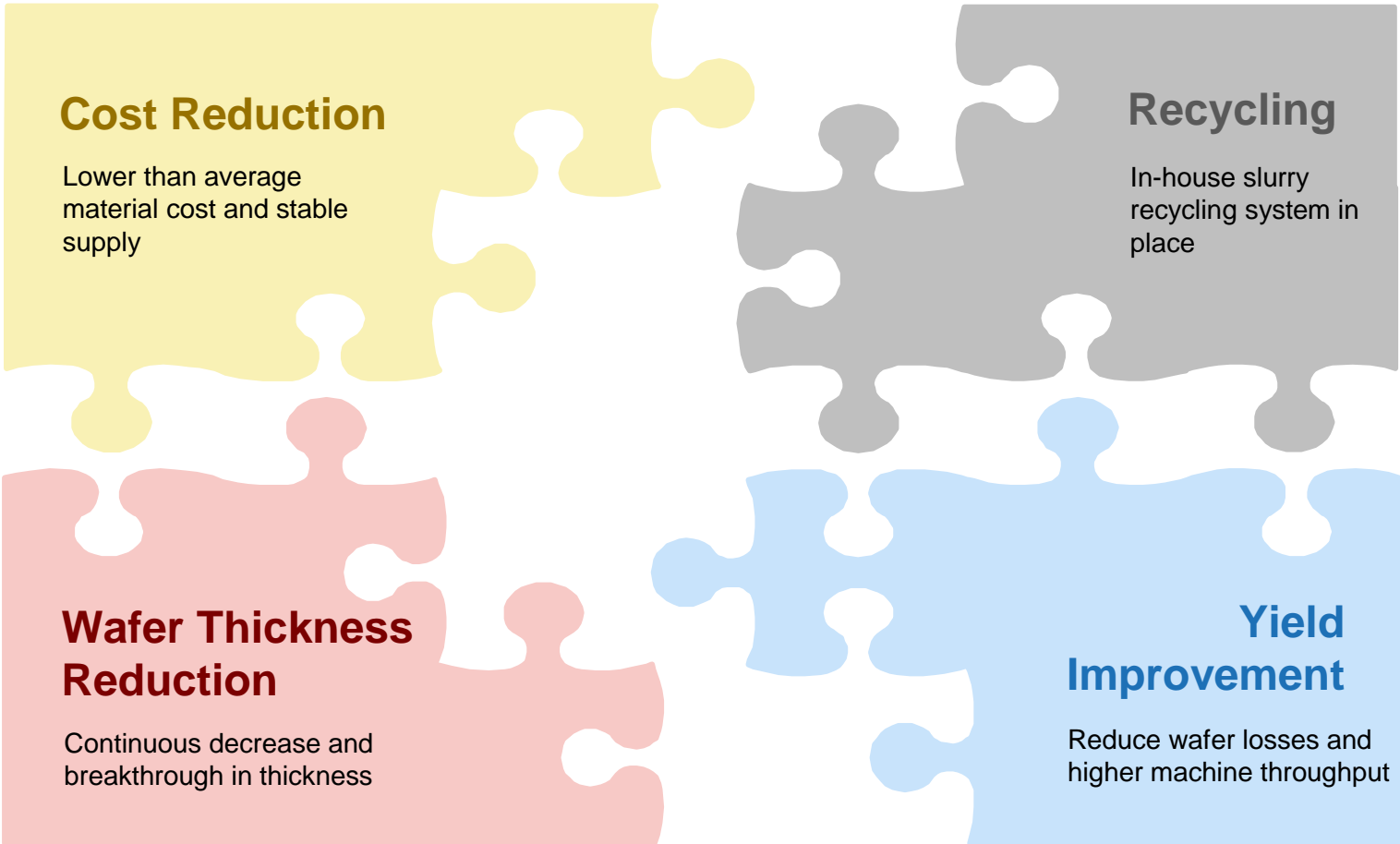


SAS Industry Position

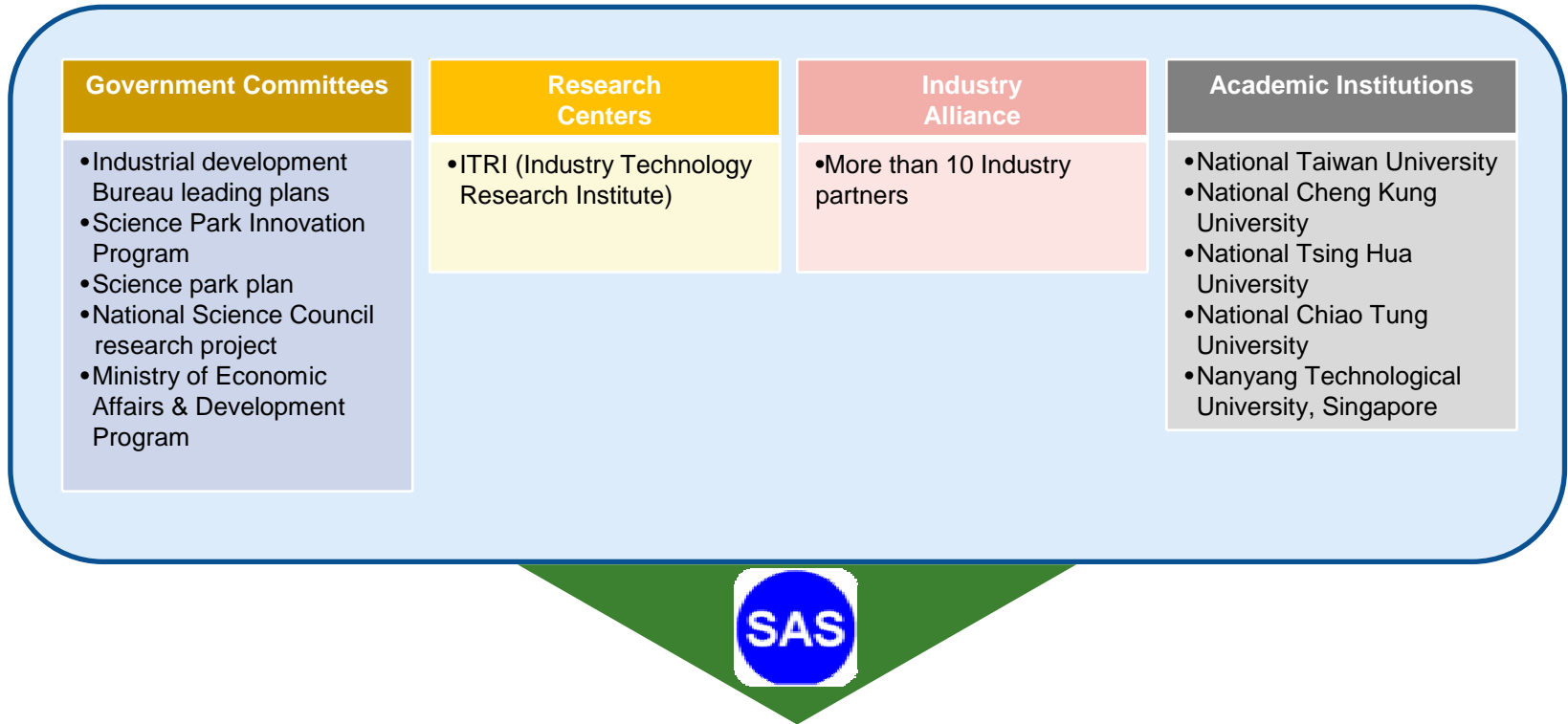


Sources: Company data.

Low Cost Manufacturing Capability

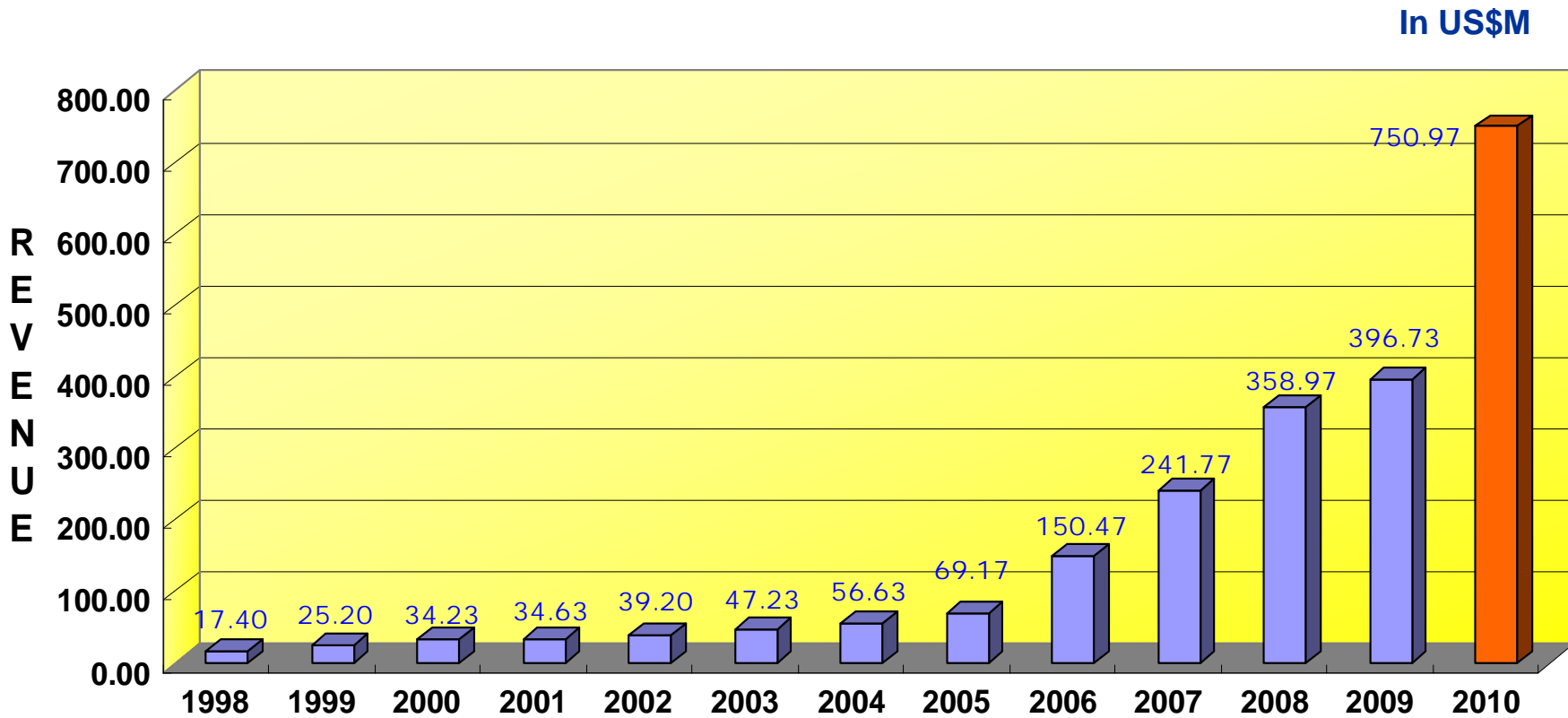


Strong R&D Effort



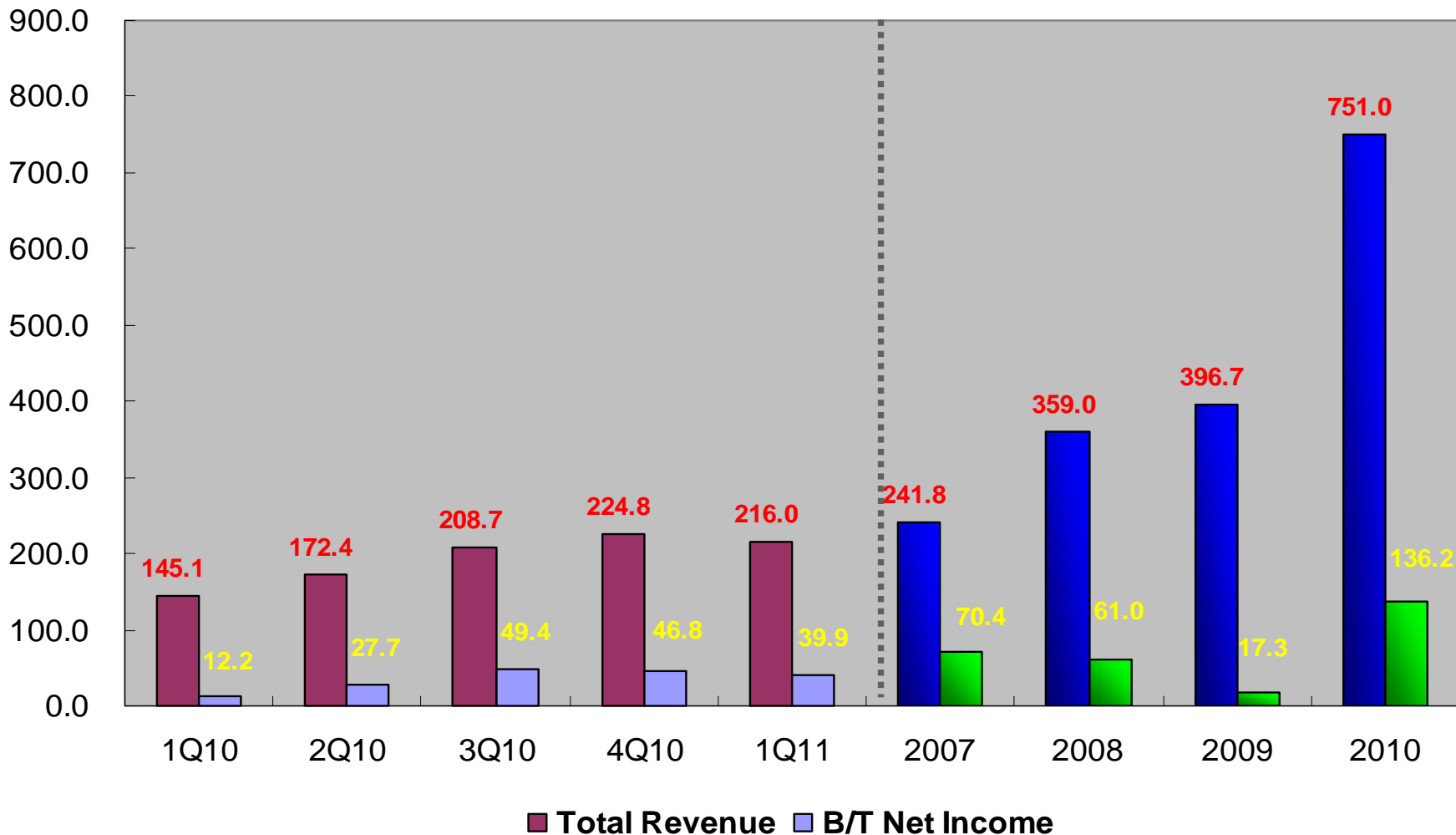
The above cooperation enables SAS to increase the capacity, conversion efficiency and yield rate and reduce the electricity usage

SAS Sales Revenue Trend

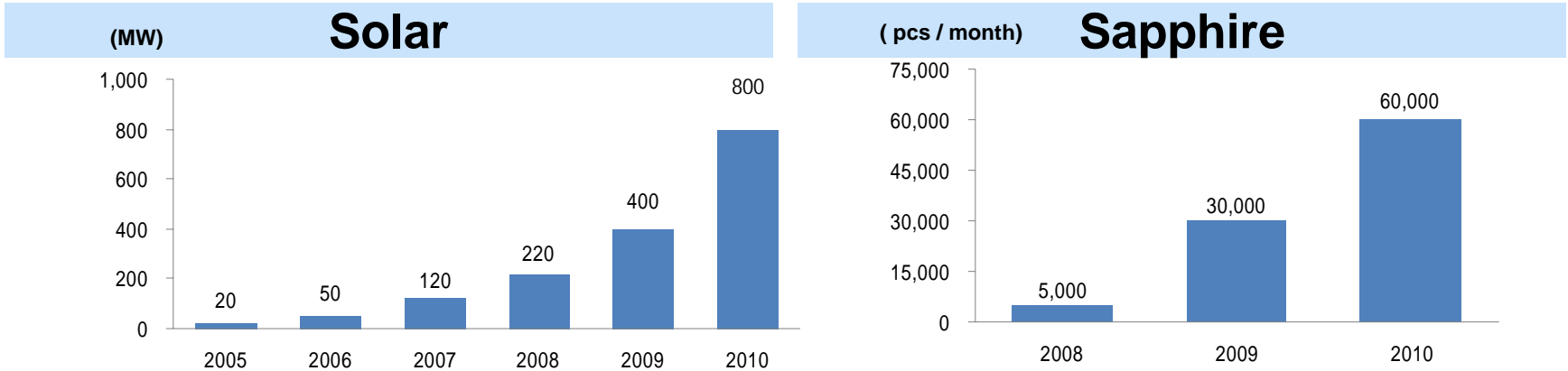


Operating Performance

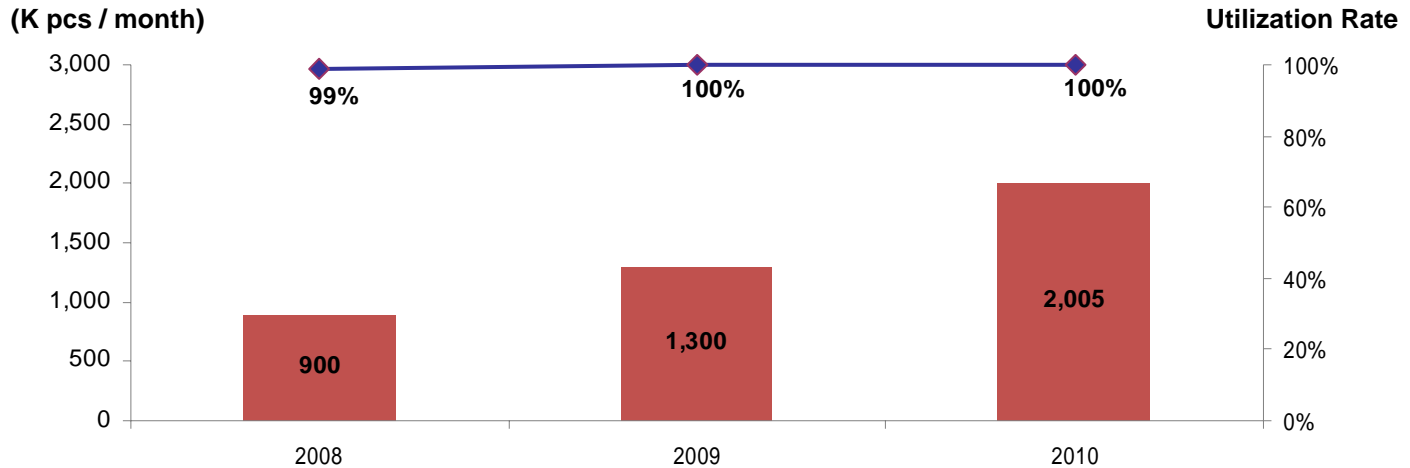
In US\$M



Proven Ability to Scale Manufacturing Capacity Across



Semiconductor



Strong Customer and Supplier Profiles

Leveraging long-term strategic relationships with leading suppliers and customers

Suppliers

- Long-term polysilicon contracts with leading solar wafer producers
- A substantial majority of estimated wafer requirements secured for 2010 and 2011
- Combination of flexible and fixed wafer price contracts



Customers

- Diversified customer base globally in Europe, Taiwan, Japan, Korea and other Asian countries
- Customers consists of industry leaders across semi, solar and LED
- Focus on long-term relationship



Quarterly I/S Comparison

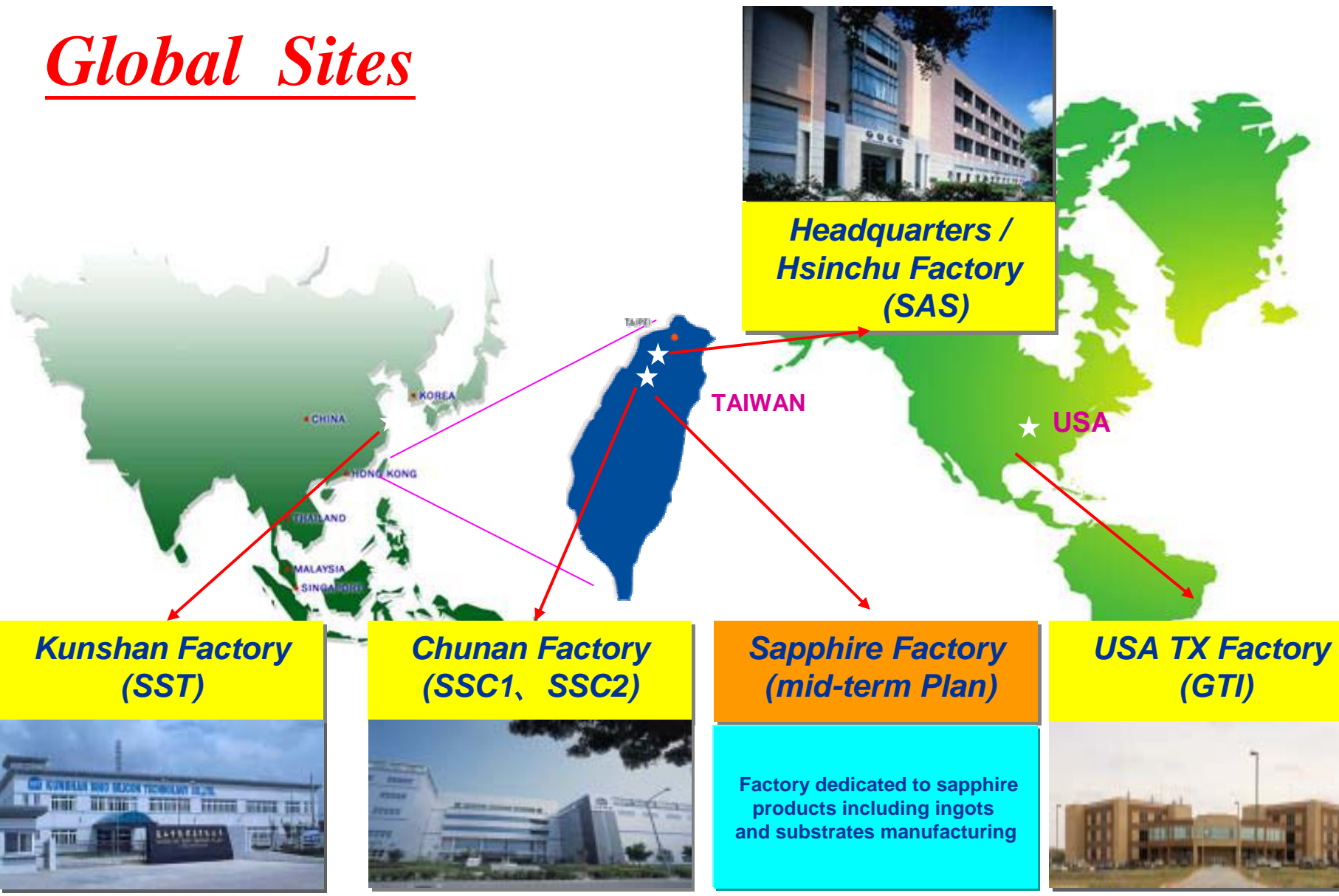
In US\$M

	<u>1Q10</u>	<u>2Q10</u>	<u>3Q10</u>	<u>4Q10</u>	<u>2010 Accu.</u>	<u>1Q11</u>
Revenues	145	172	209	225	751	215
Gross Profit	20	37	60	67	184	51
Gross Margin	14%	21%	29%	30%	25%	24%
Operating Expense	8	10	12	12	42	10
Operating Income	12	27	49	54	142	41
Operating Margin	8%	16%	23%	24%	19%	19%
Net Income before Tax	12	28	49	47	136	43
Net Margin	8%	16%	24%	21%	18%	20%
A/T EPS(NT\$)	1.00	2.21	3.95	3.34	10.50	2.93

Mid-Term New Expansion Plan

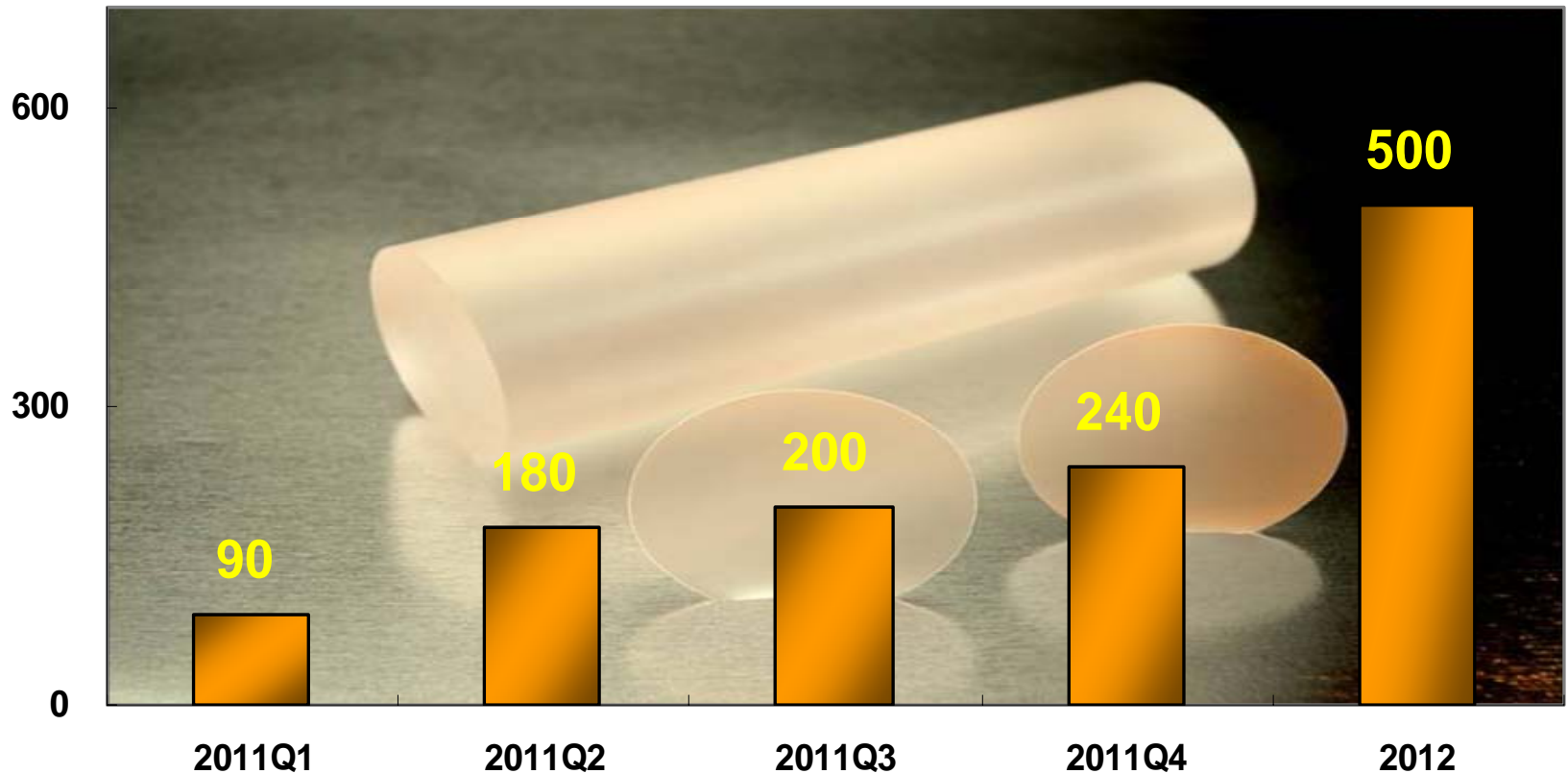
Items		Target	Location	Ramp-Up Plan
1	Solar Vertical integration	A. 1GW B. 500MW~1GW	A. Taiwan B. Taiwan	A. 2012 B. 2011~
2	Semiconductor	>50% expansion	TWN, USA ,China	2011~
3	Semiconductor	200mm Semiconductor wafer launch	TWN, USA ,China	2H 2011
4	Sapphire	500K pcs/Month	Taiwan	2012~

Global Sites



Sapphire Capacity Expansion Plan

Unit: 2" / Kpcs/month

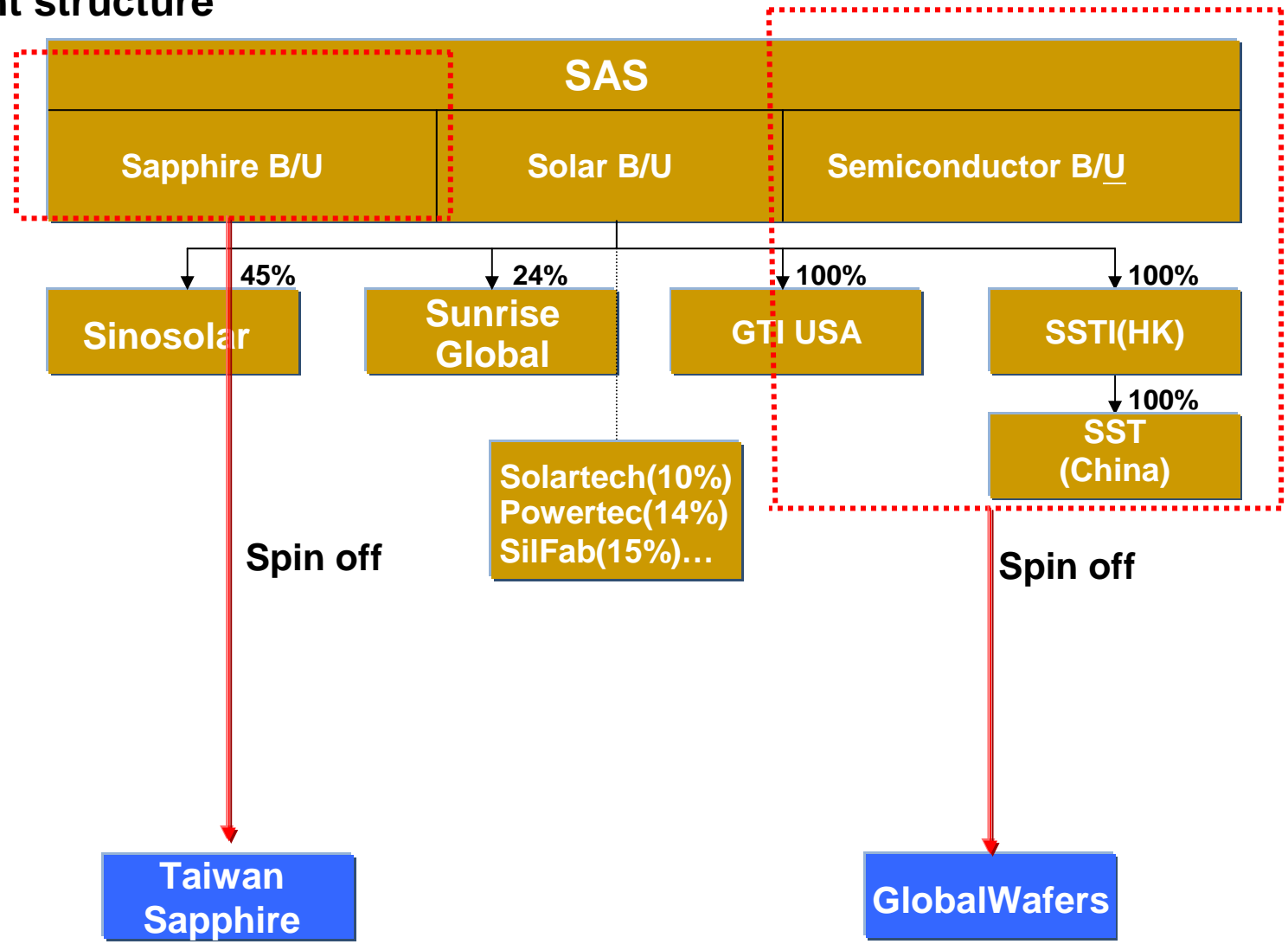


SAS Strategic Path to Growth

“Spin-Off”

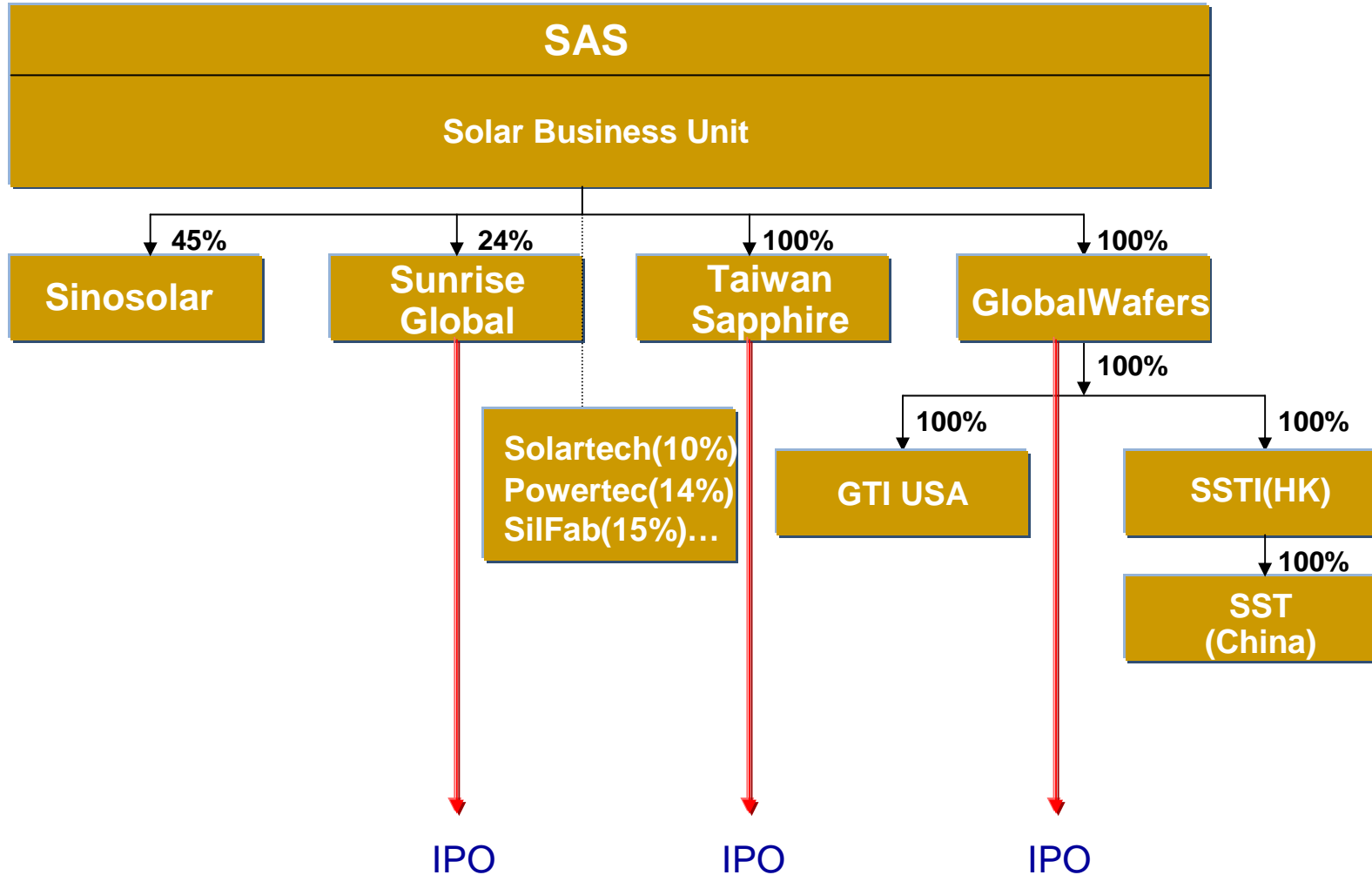
SAS Restructure

Current structure



SAS Restructure

Future structure



Benefits from Spin-Off

- More space for subsidiary B/U to execute vertical integration activity based on respective industrial landscape.
- Efficient resource allocation leads to maximum group synergy and return on investment.
- More healthy liquidity from future subsidiaries' potential IPOs.
- Visibility help improve subsidiaries to attract talent.
- More transparency on respective B/U operating performance as an appeal to investors for identifying investment targets.
- No impact on existing SAS shareholders' interest.

Strategic Business *Development Plan*

Globalwafers Corp (Semiconductor)

1. Continue to expand Semiconductor wafer and Epitaxy process capacity.
2. Agressively to increase 200mm wafer manufacture percentage.
3. Developing extra-low-resistance wafer and Epitaxy product.
4. IPO

Strategic Business *Development Plan*

Taiwan Sapphire Co. (Sapphire)

1. Building dedicated Sapphire plant.
2. Expanding capacity in all aspects, including Sapphire crystallization, substrate slicing, micro/nano pattern substrate.
3. Developing large size Sapphire substrate (4", 6")
4. Developing Large size Sapphire crystallization technology (90KG grade)
5. IPO

Strategic Business *Development Plan*

SAS (Solar Products)

1. Expanding solar wafer capacity.
2. Developing next-generation high conversion efficiency mono/multi solar wafer.
3. Developing diamond wire slicing technology for multi solar wafer.
4. Strengthening vertical integration synergy via reinvestment including Powertech, Sunrise Global, Sinosolar, Silfab..).

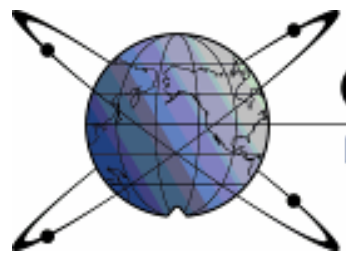


GTI

Plant Area : 120,000 FT
Manufacturing Area : 8,000 FT 2

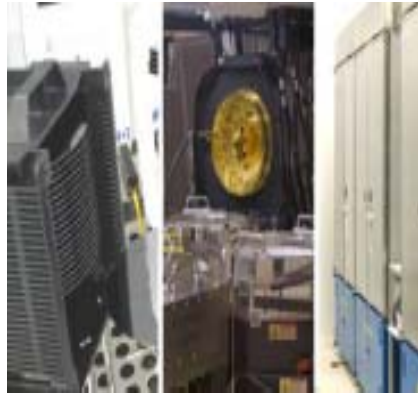


GTI



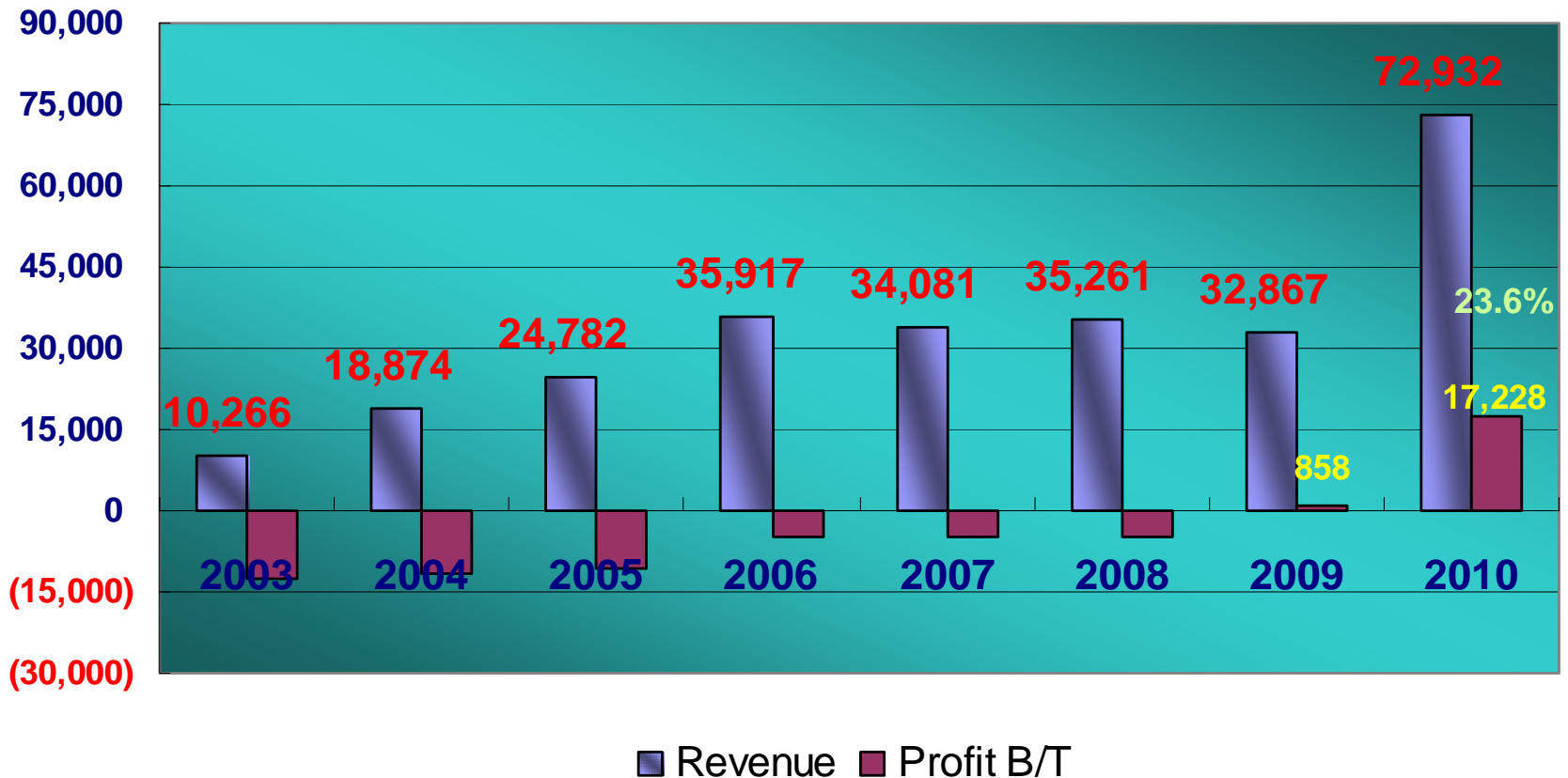
G L O B I T E C H
DESIGNING EPI SOLUTIONS

- **Two epi reactor models available:**
 - **LV: Centura single-wafer**
 - **HV: EpiPro batch reactor**
- **100mm/125mm batch reactors**
- **Diameter – 100mm, 125mm, 150mm, 200mm**
- **Dopant – As, P, B**
- **Multi-layer Epi products available; P/N+, N/P+ available**
- **Advanced reactor control and data collection (RFID tracking)**
- ***Largest Epi house in North America.***



Financials Trend Chart

In US\$K



GT Key Customers



Thank you !

<http://www.saswafer.com>
[5483 TT](#)

