IT-related Chemicals

FY 2010 First Half Results & Business Strategy



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Today's Agenda

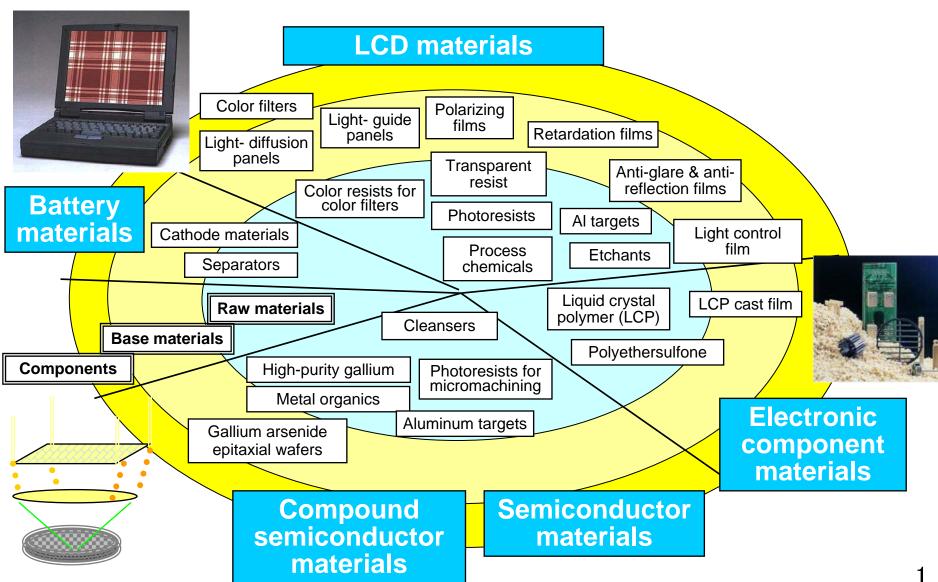
- I. Overview of Business
- II. Recent Performance Trends
- III. Business Strategy
 (Corporate Business Plan FY 2010-2012)
 - 1. Business Environment
 - 2. Performance Targets
 - 3. Priority Initiatives
 - 1) Strengthen Existing Business
 - 2) Expand Business
 - 3) Enhance the Efficiency of Our "Globally Integrated Management"

Today's Agenda

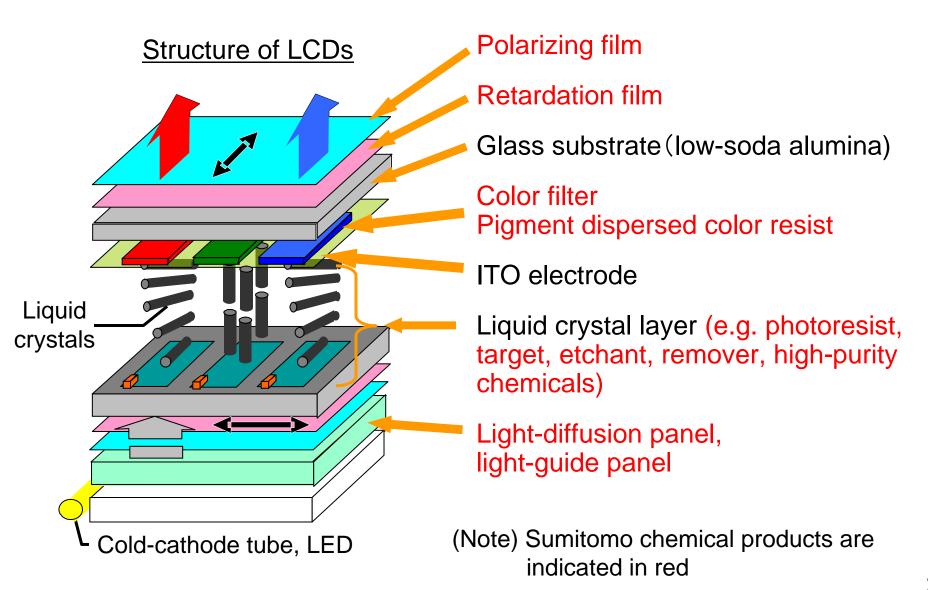
III-3. Priority Initiatives

- 1. Strengthen Existing Business
 - Gain competitive advantage in polarizing film business
 - Restructure back light unit business
 - Expand photoresist business
- 2. Expand Business
 - Expand business in China as a total provider of LCD materials
 - Develop new businesses (Materials for LEDs, 3D TVs and next generation semiconductors)
 - Expand Dongwoo Fine-Chem's business
- 3. Enhance the Efficiency of Our "Globally Integrated Management"

I. Overview of IT-related Chemicals Business



I. Overview of Business Total Provider of LCD Materials



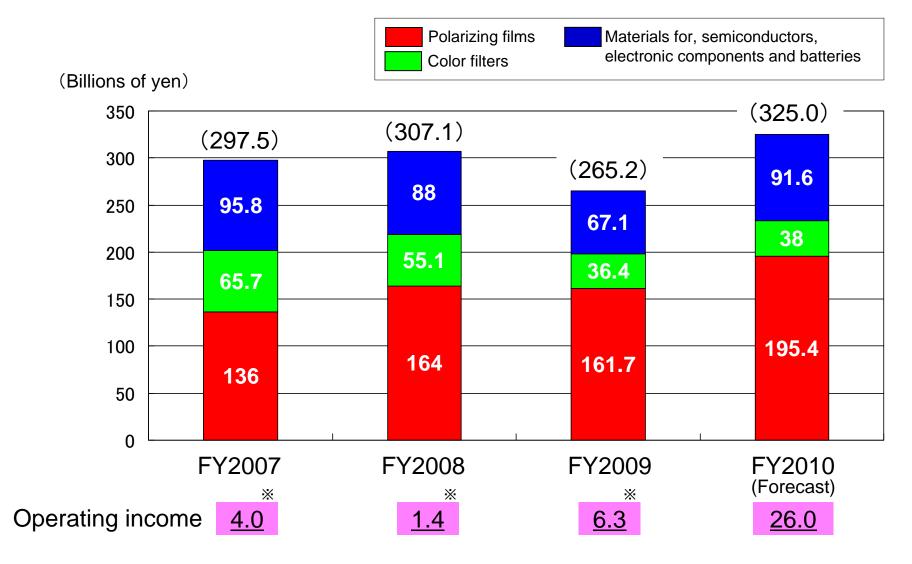
I. Overview of Business Create a Customer-Driven Supply Chain



12 Belgium 13 America 14 China (Huanun)

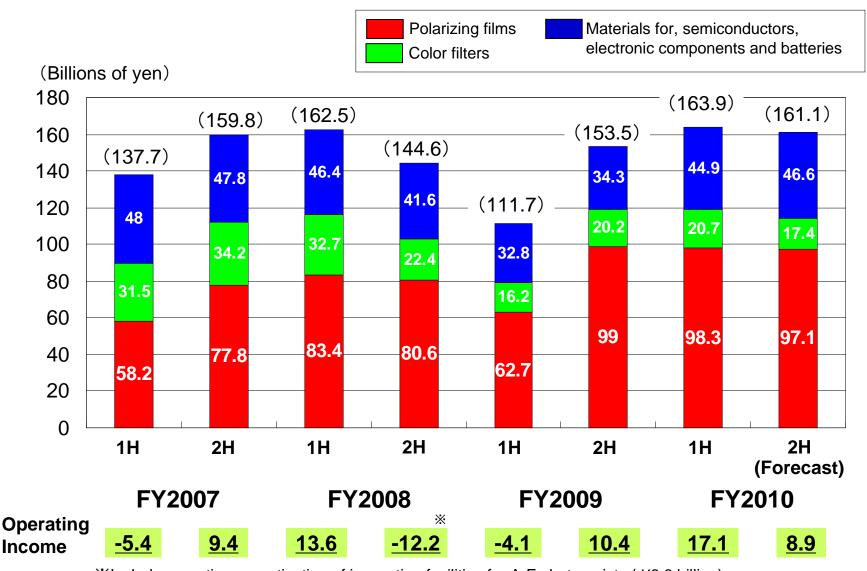
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II. Performance Trends for FY 2007 to FY 2010 Full-Year Sales and Operating Income



^{*} For comparison purposes, figures for FY2007 to FY2009 have been adjusted to reflect the change in the method for allocating common company-wide research expenses and other expenses applied from the beginning of FY2010.

II. Performance Trends for FY 2007 to FY 2010 Half-Year Sales and Operating Income



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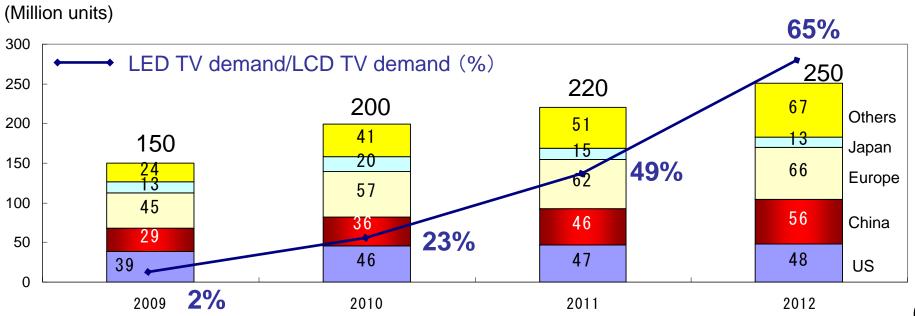
III. Business Strategy

1. Business Environment

Demand for LCD Panels

- Demand growth in China and other markets faster than expected
- Demand for LED TVs stronger than expected
- 3D TVs and internet TVs launched
- Thriving smart phone and slate PC markets

Global demand for LCD pannels for TVs



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III. Business Strategy 1. Objective and Basic Strategies

[Basic Strategy No.1: Create a customer-driven supply chain]

- OExpand business in China as a total provider of LCD materials
- OEnhance the Efficiency of Our "Globally Integrated Management"

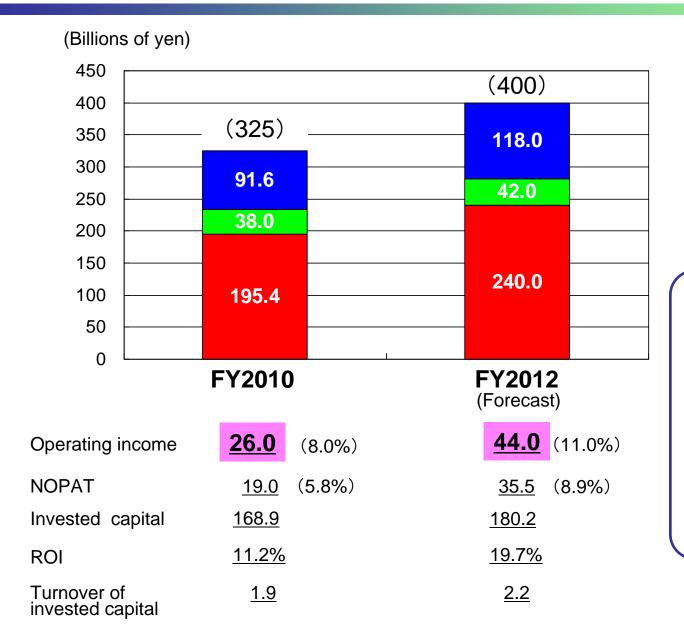


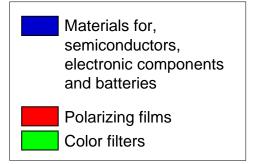
[Basic Strategy No.2: Develop innovative technology]

- OImprove productivity of R&D and technologies development (Build technological platforms)
- OEnhance development of proprietary materials and core technologies



III. Business Strategy 2. Target and Basic Strategy (Performance Targets)





Rationalizations (FY09 vs. FY12) ¥70.0 billion

Investment (FY10 to FY12)

¥90.0 billion

(Operating Cash Flow

¥<u>120.0 billion</u>)

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III-3. Priority Initiatives

- 1. Strengthen Existing Business
 - Gain Competitive Advantage in Polarizing Film Business
 - Restructure Back Light Unit Business
 - Expand Photoresist Business
- 2. Expand Business
 - Expand Business in China as a Total Provider of LCD Materials
 - Develop New Businesses (Materials for LEDs, 3D TVs and next generation semiconductors)
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Gain Competitive Advantage in Polarizing Film Business

Challenges

- 1. Change in competitive landscape
 - Growing competition with LCD panel producer's in-house production
- 2. Marketing strategy for China and other countries with growing demand
 - Strategy for business with LCD panel producers in Japan, Korea and Taiwan (e.g. Samsung, CMI)
 - Strategy for business with LCD panel producers in China (e.g. BOE)
- 3. Enhance Product Portfolio

Initiatives for gaining competitive advantage

- Increase production volume
- Continue developing innovative technologies
- Enhance supply chain in China
- Expand high value added small-sized polarizing film business by increasing sales for smart phone and slate PC applications (double the current annual ¥40 billion in sales)

Gain Competitive Advantage with Higher Production Capacity

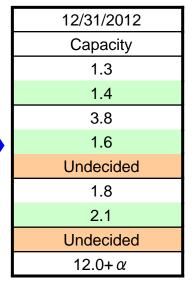
Increase production and sales volumes

- Investments in new production facilities (Constructing a new plant in Taiwan, studying further investments in China and Korea)
- Increase productivity of existing facilities with new technology
- Build supply chains for Chinese LCD panel producers (e.g. BOE)

Polarizing film production capacity

(Million m²/year)

| | | | 12/31/2009 |
|--------|---------------------|-----------------------|------------|
| | | | Capacity |
| Japan | Existing facilities | | 1.1 |
| | Line No.3 | Wide roll | 1.0 |
| Korea | Existing facilities | | 3.2 |
| | Line No.5 | Extra-wide roll | 1.4 |
| | Line No.6 | Undecided | - |
| Taiwan | Existing facilities | | 1.4 |
| | Line No.3 | Extra-extra-wide roll | - |
| China | Line No.1 | Undecided | - |
| Total | | | 8.1 |



Gain Competitive Advantage in Polarizing Film Business

Pursue innovative technologies

Upstream: Develop products using in-house materials

Midstream: Enhance core technology

(e.g. stretching, adhering, adhesive coating,

inspection)

Downstream: Cooperate with LCD panel and TV set manufacturers

(e.g. polarizing films with additional functions)

Develop products using in-house materials (Develop new materials)

Enhance core technologies

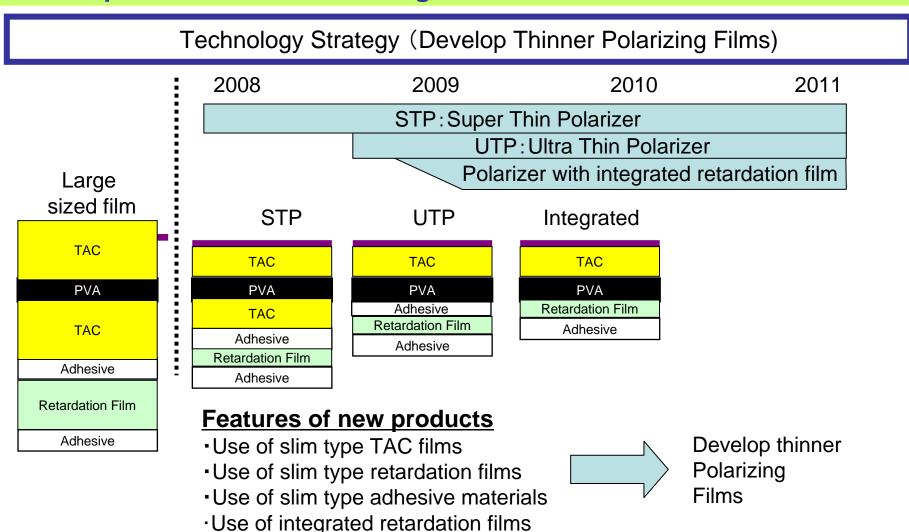
Develop polarizing films with additional functions

<u>Upstream</u>

Midstream

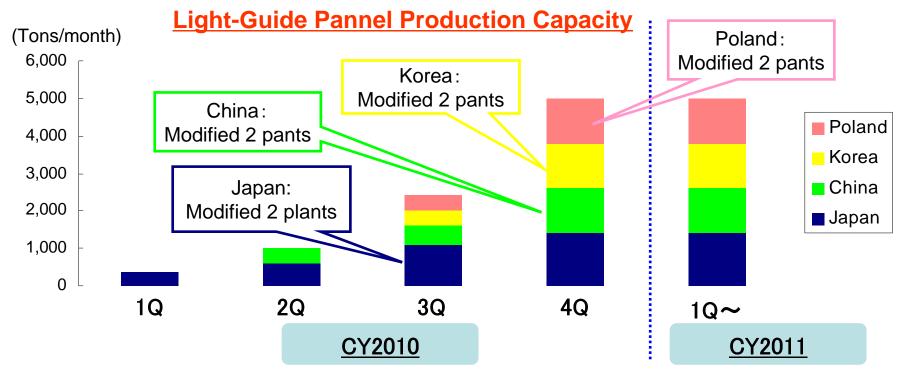
<u>Downstream</u>

Expand Product Line for High Value Added Small-Sized Films



Restructure Back Light Unit Business

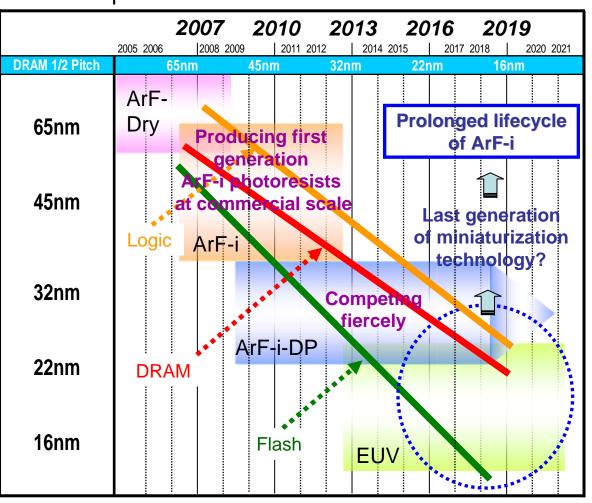
In order to meet the growing demand for LED TVs, we modified our light-diffusion panel plants around the world to produce light-guide panels.



- Light-diffusion panel production capacity: 9,000 tons/year (2010.4Q)
- Light-guide panel production capacity: 60,000 tons/year (2010.4Q)
- In-house processing of printing process expected to lower costs (In-house processing planned to start around 2011.1H)

Expand Photoresist Business

Road map for the miniaturization of semiconductors



Expand Photoresist Business Investment and Business Strategy for ArF Photoresist

Investment in ArF Photoresist

| Production plant | e.g. New production plant for ArF photoresist | ¥12 | Launched operations |
|-----------------------|--|--------|---------------------|
| Inspection facilities | e.g. Stepper for ArF immersion exposure process, defect inspection equipment | billon | in March 2009 |

(Note) The new plant and facilities were constructed at the Osaka Works

Background

- ArF immersion exposure process is expected to be used in manufacturing process for semiconductors with 5X to 2Xnm wide circuit line
- Global ArF photoresist demand to reach ¥80 to ¥100 billion in 2014 (2/3 of the demand expected in Asia)
- Our ArF immersion photoresist delivers high performance with our proprietary PAG and resin
- Aiming to gain leading position in the market

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Expand Business in China as a Total Provider of LCD Materials Locations of LCD plants in China Beijing 黑竜江省 BOE(G8) 2011.3Q~ 華北 東北 Hefei 内蒙古自治区 吉林省 **BOE-HF(G6)** 2010.4Q **BOE-HF(G8)** 2012.2Q~ Nanjing **CEC & Nanjing Panda** 青海省 (Sharp)(G6, G8) 2011 Guangzhou Suzhou <u>LGD(G8)</u> Samsung(G7.5) 貴州省 5 湖南省 広東省 Kunshan Shenzhen IFO(AUO)(G7.5) 2011.3Q

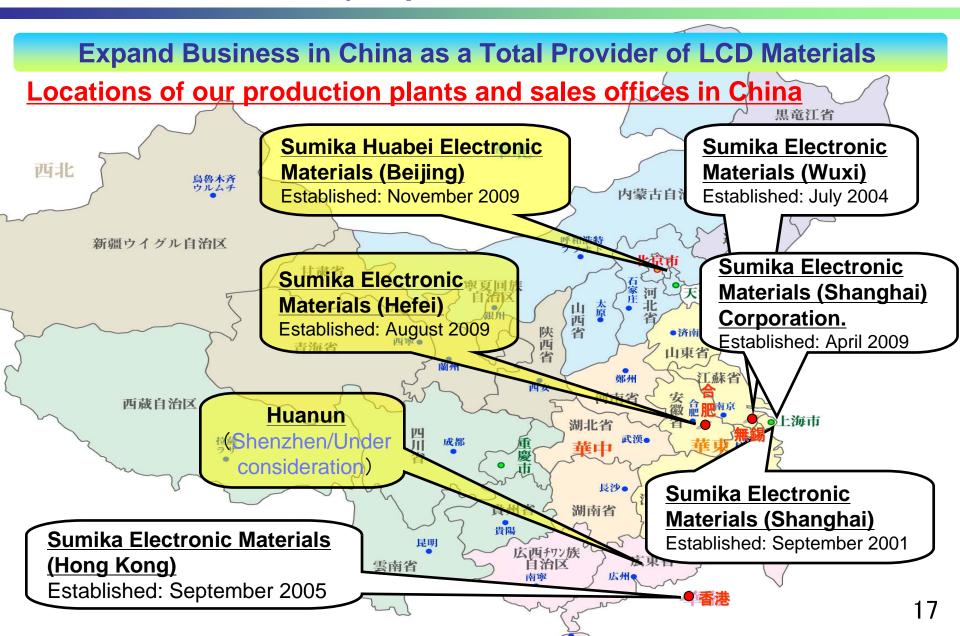
華南

TCL(G8.5)

2011.3Q~

Plants in red: Investment under consideration

Plants in black: Under production or construction

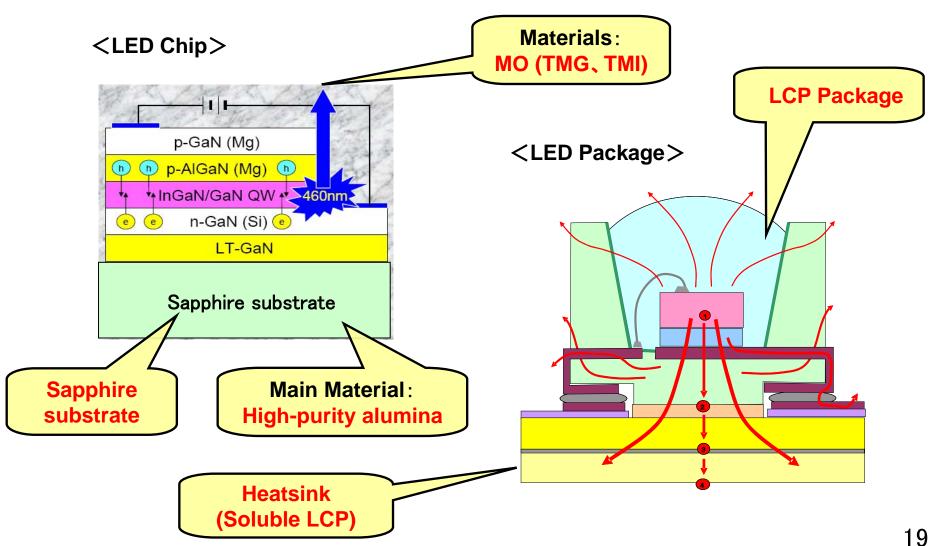


Expand Business in China as a Total Provider of LCD Materials

Plans to supply LCD materials to BOE and other customers

| Customer | Supplying subsidiaries | Products | Schedule |
|------------------------|---|---|---|
| BOE Hefei (G6) | SEMH (Hefei) | Chemicals | Commercial production started from October 2010 |
| | SEMW(Wuxi) | Polarizing films | |
| BOE Beijing (G8) | SEMB (Beijing) GIVE (ITELEMENT AND | Polarizing films Light-guide panels (Under consideration) Chemicals (Under consideration) | Trial production to start from 2011.2Q, Commercial production to start from 2011.3Q |
| BOE | SEMS(Shanghai) | Aluminum targets | Commercial production to start from September 2010 |

Develop New Businesses Case 1. LED related business



Develop New Businesses Case 2. High performance films for displays

| | Polarizing films for 3D TV | | Polarizing films for OLED |
|----------------------------|--------------------------------|---|--|
| Devices | LCD | | OLED |
| 3D technology | Active shutter technology (*2) | Passive technology (*1)(*2) | |
| Optical functions of films | Circular polarizer | Left and right circular polarizer | Anti-reflection |
| Examples of the structure | λ/4 Polarizing layer Panel | (+) λ/4 (-) λ/4 Polarizing layer Polarizing layer Panel | Polarizer \[\lambda /4 \text{ Polarizing layer} \] OLED |

^{*1:}Films for passive technology can be used in OLEDs and PDPs

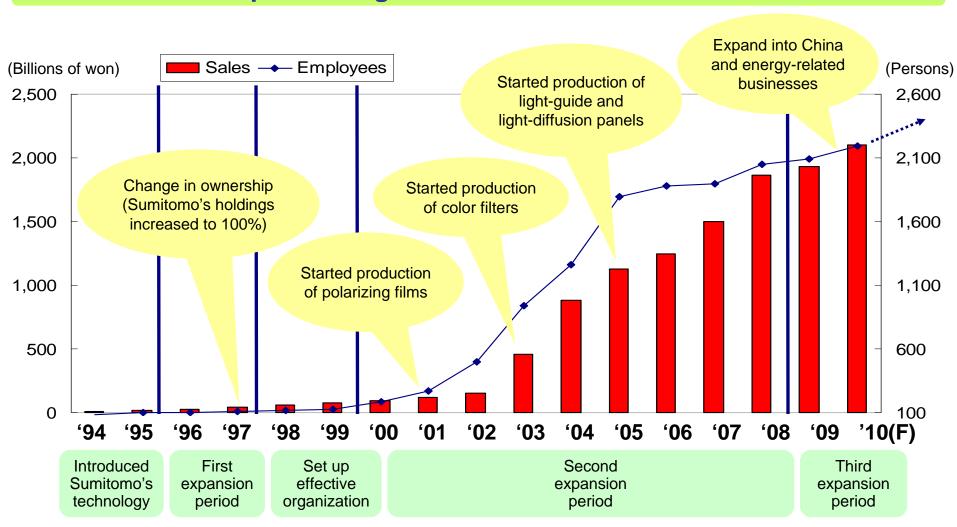
^{*2:}Displays stereoscopic vision using liquid crystal shutter glasses

^{*3:}Displays stereoscopic vision using polarized glasses with no shutter function

Develop New Businesses Case 3. Epitaxial wafers for compound semiconductors

| Material | GaAs (electronics) | GaAs (optical) | GaN (power) | Solar battery |
|--------------|----------------------|--|---------------------------|--|
| Keyword | Ubiquitous computing | Office revolution | Energy-saving | Satellite |
| Applications | | Color printers Inversion (copy machines) | Erter-run air conditionel | Exploration & communication satellites |
| Sales (2010) | ¥3 billion | ¥1 billion | _ | _ |
| (2020) | ¥10 billion | ¥3 billion | ¥10 billion | (¥2 billion) |

Expand Dongwoo Fine-Chem's business



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III. Business Strategy 3. Priority Initiatives

Enhance the Efficiency of Our "Globally Integrated Management"

- Daily exchange of technology, marketing and procurement information between group companies as well as integration of strategy and tactics
- Sumitomo Chemical acts as a control tower and develops basic technology

Build technological platforms

Set up targets for shared productivity benchmarks between group companies in polarizing film business



Take advantage of each company's strengths and, at the same time, expand group-wide common technological platform for core technologies

Forward-Looking Statements

Statements made in this material with respect to Sumitomo Chemical's plans, projections, strategies, beliefs, and future performance that are not historical facts are forward-looking statements that are based on information available at the time of the preparation of this material and include risks and uncertainties. Factors that could materially affect actual results of Sumitomo Chemical's future performance include, but are not limited to, economic conditions in the areas of Sumitomo Chemical's business, demand for Sumitomo Chemical's products in markets, downward price pressure on Sumitomo Chemical's products resulting from intensifying competition, Sumitomo Chemical's ability to continue to provide products that are accepted by customers in highly-competitive markets, and movements of currency exchange rates.