# Mid-term Business Plan (FY16-FY18)

### **SUMITOMO BAKELITE CO., LTD.**

1

# **Basic Policy and Target**

## **Basic Policy of Mid-term Business Plan**

Leverage on fundamental plastics technologies, to build a more value-added business structure

"CS First"

**Deeper and more substantial relations with priority customers** 

- More cooperation & collaboration in-house and with outside partners
- Strengthen business foundation through cost structure reform

TargetSales:250 billion yenOperating income:20 billion yen

## **Basic Strategy of Mid-term Business Plan**

## New business start-ups, creation

Packaging Materials for Semiconductor Substrates, optical circuit products, bio related products, etc.

### New growth of existing domestic businesses and change of business model

- Cost structure reform and fundamental structural change
- Eliminate unprofitable business and enhance high added-value business
- Streamlining domestic production/sales structure, etc.

## Increase in profitability and scale of growing areas

Growing area: Aerospace related business, automotive related business, etc. Growing market: China, ASEAN, India, etc.

## **Business Environment**

#### **Market Changes**

Progress in smartification of automobiles/housing/ home electronics ...
Expansion of IoT

#### **Risks**

#### • Brexit

- Slowdown of economic growth in emerging countries
- Fluctuation in oil and raw materials prices
  Fluctuation in FOREX

#### **Social Issues**

- •Aging of society, increase in social security costs
- Tightening environmental regulations, safety and security of food
- Progress in borderless society
   (Development in traffic and communications ⇒expansion of risk range)

Think of changes in the market and social issues as tailwinds and move forward to sustainable growth!

## **Mid-term Business Plan Targets**



\*Exclusive of actuarial differences of retirement benefit accounting

# **Business Growth Strategy**

# **1. Business Strategy (Semiconductor Materials)**

Base	Compounds for encapsulation (EME)/Liquid resins (CR)	LaZ®	Others	★: Priority measures			
(EX-1)	$\bigstar$ Optimize management resources allocation and organization globally (mainly China)						
	$\bigstar$ Expand business area of packaging materials for semiconductor substrates "LaZ®"						
	★Increase sales and enhance facilities for cutting edge products (mold underfill materials, granular compression molding)/volume zone products						
Priority	★Expand business into growing business areas (automotive, social infrastructure) Drive to create new business with in-house cooperation and Smart Community Marketing & Developing Div. (SCM) plays core role						
(EX-2)	<ul> <li>Mold underfill materials/ Materials for vacuum pressure mo Materials for 3D laminated device</li> <li>Materials for power devices/modu</li> <li>Automotive, social infrastructure in</li> </ul>	s <b>Ultrathi</b> n prepeg le	sist				
Creation (EX-3)		Optical circui products	t OLED/LCD heat-resistance mate for substrates	erials			
Strengthen the base of existing businesses, expand business in growing area							

# **1-1 Smart Community related**

**Environment** Safe and comfortable drive

including support for self-

**3D** circuit

driving automobiles

### Market superiority

▼ Make comprehensive proposals centering on (i) semiconductor encapsulation materials and (ii) molding compounds for automotive electro-mechanical parts which have top share globally and high reliability, combined with advanced technologies such as optical waveguides, LaZ® and shozo materials (=materials made by wet-laid nonwoven technology)
Commercialization as communications parts

▼Global structure: Deploy SCM organization and open labs

 $\Rightarrow$ Establish overwhelming advantage through expanding globally and collecting customer data

Automobile [from eco-friendly to safe and comfortable drive]



The smart society is here! Expand product lineup and business with a global viewpoint

# **2. Business Strategy (High Performance Plastics)**



# **2-1 Aerospace related**

### Measures for expansion of aerospace business

**Expand sales of existing Vaupell business** 

▼Increase customers:

···Aircraft manufacturers, Tier-1 companies

# Expand business area with SB's material technology as a weapon

▼ Commercialize honeycomb panel (market size more than 100 billion yen/year)

···Lower cost with multi-stage press method

▼ Promote composites (e.g. window units /seats)

··· Utilize metal-plastic composites,

4FST-PC sheets, etc.

▼Utilize external technology through M&A and/or cooperation

#### Enter into \*MRO market

▼Utilize SB bases (China, Malaysia)



11

# **3. Business Strategy (Medical/Bio)**



## 4. Business Strategy (High Performance Film & Sheet)

D	Industrial use	Medical use	Food use	★: Priority measures
Base (EX-1)	Film & sheets for electronic components	■ Film & sheets for pharmaceuticals	<ul> <li>Film &amp; sheets for food</li> <li>Freshness-keeping film</li> </ul>	
	<ul> <li>Dicing film</li> <li>Cover tape</li> <li>Release film for FPC</li> </ul>	(Original/generic medicine)	"P-Plus"	
	★Develop application for functional films	<ul> <li>★Enhance product lineup for high moisture-preventio</li> <li>★Penetrate into packaging</li> </ul>	<ul> <li>★Enhance eco-friendly p</li> <li>★Pursue convenience</li> <li>★Expand sales channels</li> </ul>	
Priority		materials other than PTP	overseas	· ·
(EX-2)	<ul> <li>Substrate shield films</li> <li>Materials for production process of advanced device</li> </ul>		(Anti-condensation, Anti ★Expand business import/export p ★Penetrate into non-agricultural b	ing films i-fungal) packaging pusiness
Creation (EX-3)	<ul> <li>Automotive/aircraft decorative films</li> <li>Composite functions</li> <li>Expansion of component</li> </ul>	<ul><li>medical use</li><li>Liquid packaging</li></ul>	<ul><li>(E.g. bread, noodles and ferment</li><li>E.g. for noodles (anti-condensation film)</li><li>Does not appear moist Keep the initial status Less odor</li></ul>	t

**Explore and expand product line of functional film & sheets** 

## 5. Business Strategy (Plates, waterproofing, Decola Innovair)



# **Business Structure Reform**

## **Business Structure Reform (1)**

Through implementation of company-wide business structural reform, aim to resolve key issues of all business and ensure cost competitiveness

## Key issues for implementing business strategy

#### IT Materials and LaZ® Business

▼Expand sales in volume zone and increase share
 ▼Strengthen cost competitiveness through productivity improvement in LαZ® business
 ▼Increase sales in high added-value products such as mold underfill materials (MUF)

#### **High Performance Plastics Business**

▼Establish lower cost prescription and production method to acquire volume-zone

- ▼Improve development speed/probability by enhancing BtoB relationship with OEM & Tier-1 companies
- ▼Strengthen global network of SB group

## **Business Structure Reform (2)**

### **Medical and Bio Business**

- ▼Strengthen cost competitiveness of Akita and Dongguan plants (medical expenditures restraint in Japan; limits to OUT-IN method)
- ▼Concentrated production of cutting-edge medical devices/bio products in Akita, enhance R&D bases
- ▼Enhance competitiveness of US base, strengthen cooperation between Japan and US for development
- ▼Promote R&D and commercialization of system products and diagnostic drugs

### **Film & Sheet Business**

- ▼Innovative expansion of business area and differentiation of products with new functionalities
- ▼Prolonged sluggishness of Japanese market growth⇒requires further cost reduction and enhanced competitiveness at Amagasaki plant
- ▼Prompt full-fledged contribution of production/sales at Nantong plant

### **Plate Business and Waterproofing Business**

- ▼Strengthen cost competitiveness by rationalizing production system and reducing fixed costs at Kanuma plant
- ▼Reduce cost and improve profitability by rebuilding efficient and focused structures of sales and agencies

# **R&D Strategy/ Financial Strategy**

### **R&D Strategy: Research and Development Targeting 4 Creation Areas**



Realize value designed functional plastics for society and customers by focusing on R&D in four creation areas

## **New Core Products in the Future**



## **Financial Strategy: Strategic Investment and M&A**



•Above FCF is based on ordinary capital expenditure for the 3 year Mid-term Business Plan of 35 billion yen, separate from the strategic investment/M&A expenses (within depreciation)