

### Mitsui Chemicals

# **The 2008 Mid-term Business Plan**

### Jan. 18, 2008 Mitsui Chemicals, Inc.



# "Chemistry, Innovation, Dreams"

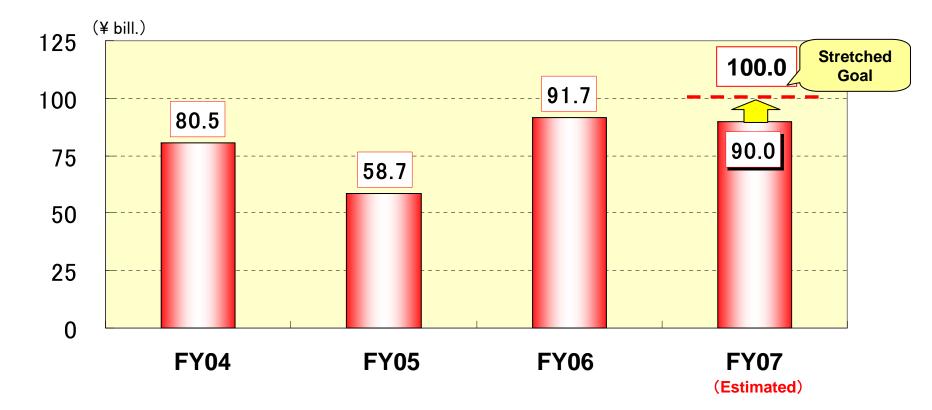
∼The Mitsui Chemicals Group is constantly pursuing innovation and materializing dreams with the wonder of chemistry ∼

### January 18, 2008 President & CEO Kenji Fujiyoshi

**Operating Incomes During the 04MTP(FY04-FY07)** 

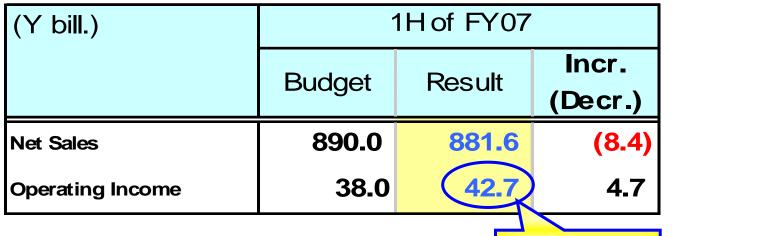
(Accumulated Operating Income) 04MTP (Plan) ¥320 billion Results (Estimate) ¥320.9 billion

Met the target of the 04MTP

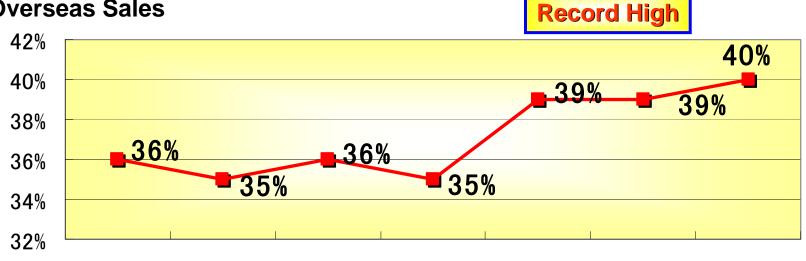


# 1<sup>st</sup> H of FY07 Targets and Results

#### Sales and Operating Income



**Overseas Sales** 



1H/FY04 2H/FY04 1H/FY05 2H/FY05 1H/FY06 2H/FY06 1H/FY07

#### Business Topics [Performance Materials and Advanced Chemicals]

- Completion of multipurpose semi-commercial plant <lwakuni-Ohtake/Jan. 2007>
- Completion of high-functional film center <Nagoya/Mar. 2007 >
- Decision to increase production capacity of MDI <Kumho Mitsui Chemicals (Korea)/Apr. 2007 (To be completed in June 2009)
- Sankyo Agro joined the MCI Group
  - <Apr. 2007>
  - (Oct. : Mitsui Chemicals Crop Life was integrated)
- Acquisition of toner resin business <Apr. 2007>



Multipurpose semi-commercial plant



#### **High-functional Film Center**



Dissolution of JV with GE and Nagase & Co.

<Aug. 2007> (GE Plastics Japan Ltd. and GEM PC Ltd.)

Increase of production capacity of NF3 Start of commercial production <Shimonoseki/Aug. 2007> (+400t/yr 1,300t/yr →1,700t/yr)

Completion of 3EPT plant

<lchihara/Oct. 2007> (+75kt/yr 45kt/yr →120kt/yr)

Increase of production capacity of nonwoven fabrics Start of commercial operation <MHM (Thailand)/Dec. 2007>

(+16kt/yr 14kt/yr→30kt/yr)



**3EPT Plant (Ichihara Works)** 



# **Business Topics [Basic Chemicals]**

#### Increase of production capacity of PP compounds Start of commercial operation

#### <May 2007> (ACP, GSC, MCZ +63kt/yr 237kt/yr→300kt/yr)



Advanced Composites (the U.S.A)



Grand Siam Composites (Thailand)



Mitsui Advanced Composites (Zhongshan) Co., Ltd. (China)

♦Increase of production capacity of phenol Start of commercial operation <MPS (Singapore)/Aug. 2007> (+50kt/yr 250kt/yr→300kt/yr)

Establishment of Mitsui Prime Advanced Composites India PVT Ltd.

<Sep. 2007 >



Mitsui Phenols Singapore (Singapore)

### **Core Businesses of Performance Materials**

#### Elastomers

Production Capacity

TAFMER<sup>™</sup>: NO.2 in the world, No.1 in A ia ADMER<sup>™</sup>: No.1 in the world

•Expansion of 3EPT Plant <Ichihara/Oct. 2007> (+75kt/r)



MELS (Singapore)

#### Urethane

 Production Capacity No.2 in Asia (492kt/yr)
 Increase of production capacity of MD to be completed.
 Kumho Mitsui Chemicals (Korea)/Jun. (+65kt/yr)



### **Core Businesses of Advanced Chemicals**

#### Monomers for Optical High-index Plastic Lens

- Market Share No.1 in the world
- World's highest level refractive index based on highly competitive technology



#### Agrochemicals

Insecticide "STARKLE™"

Halogen-free systemic insecticide which has inventive chemical structure



### **Core Businesses of Basic Chemicals**

#### Phenol

Production Capacity
 No.2 in the world (920kt/yr)

 Increase of MPS/Phenol Start of commercial operation <Aug. 2007> (+50kt/yr)

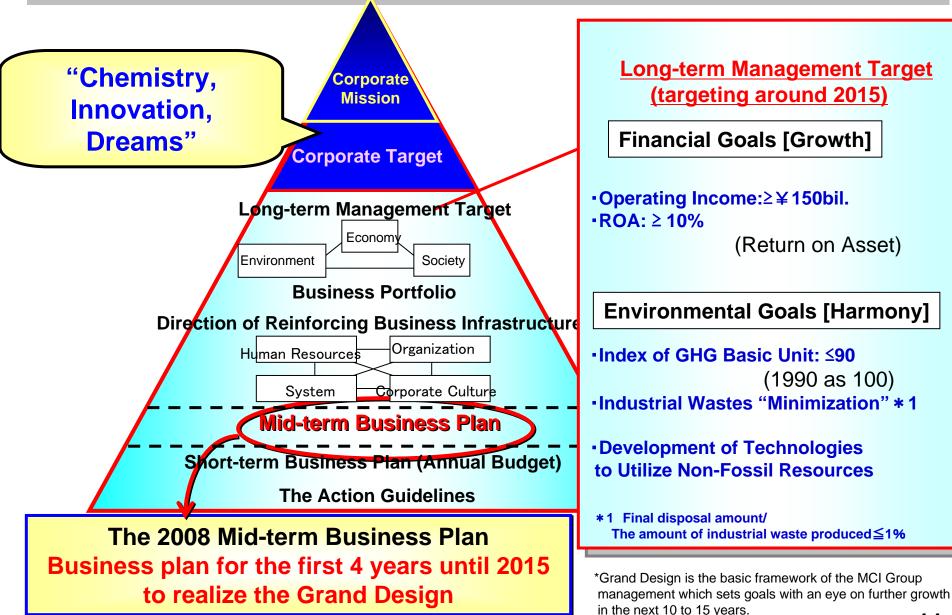


Phenol Plant (Osaka Works)

#### PP Automotive Materials

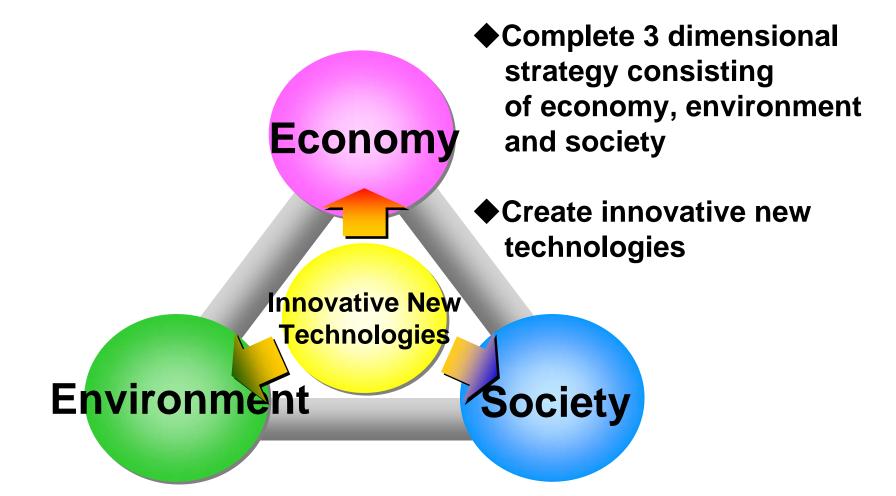
- Production Capacity No.2 in the world (600kt/yr)
- Increase of production capacity
  - <May 2007> (ACP, GSC, MCZ +63kt/yr)
- Establishment of a New Company in India, ACI <Sep. 2007>

# **Grand Design\* and the 08 MTP**



### **Basic Concept of the 08 MTP**

### "The Challenge to Create Innovative Values"



### **Performance Base for the 08 MTP**

The following table shows premises to establish our 2008 Mid-term Business Plan. All the data are based on our forecasts for the next 4 years of the 08MTP.

Economic Growth	Asia	5.8% (Japan 1.7%, China 9.4%, India 9.0%)		
	The U.S.	3.0%		
	Europe	2.0%		
Market Trend	Automotive	• Production: Japan Unchanged, Europe & the U.S. +1. 5%, Asia +4. 0%		
		Technically polarized: Growth to be seen in low enrivonmental impact and compact light-weight, low priced automobiles.		
	Flat-panel TV	- Growth to be sluggish in flat-panel TV.		
		Organic Electro-Luminescence to be grow.		
Other Relevant Data	Exchange Rate	Y115 /\$ (Y150/EUR)		
	Crude Oil	\$65 /BBL		
	Naphtha	\$595 /T		
	Domestic Naphtha	Y50, 000 /KL		

### Economy Mission and Basic Strategy



#### <Basic Strategy>

Proactive management resource investment including M&A

—Gear up growth & expansion

to achieve Long-term Financial Goals

Accelerate realization of targeted business portfolio

-Create new innovative technologies

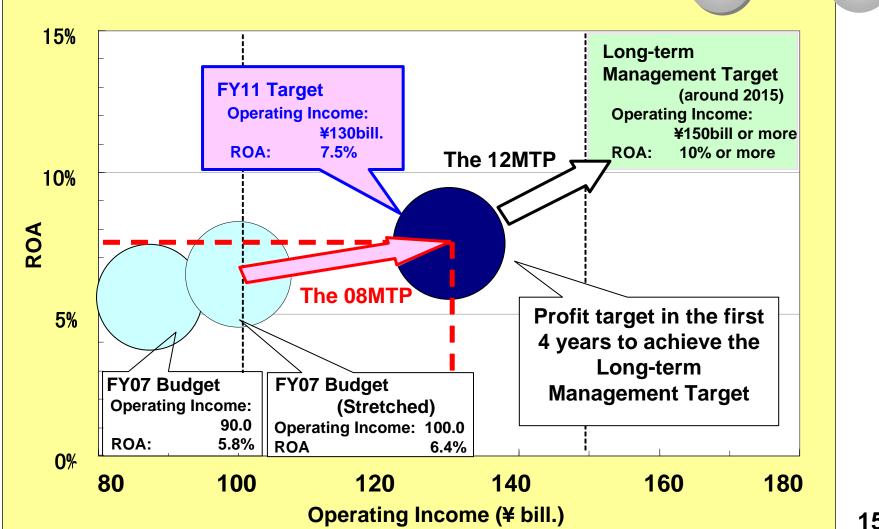
Economy

Innovative New Technologies

Society

Environment

#### Economy **Economy** Management Target The MCI Group will aggressively invest our management resources **Innovative New** to expand operating income, targeting achievement of Technologies our Long-term Management Target. Environment Society

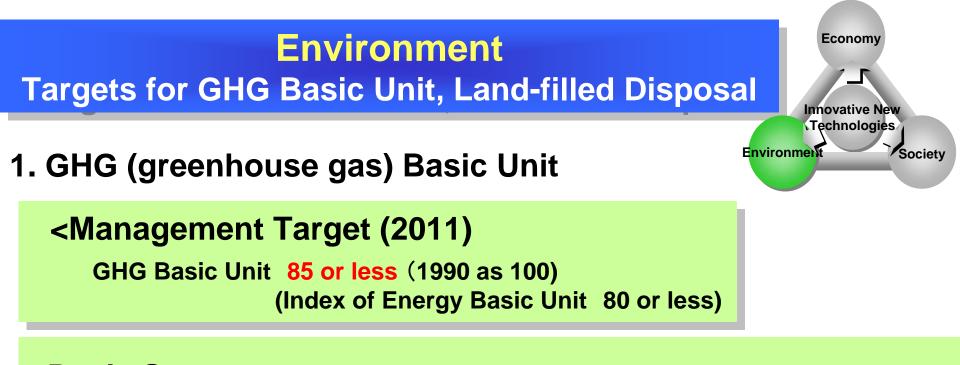


### **Economy** Mission & Basic Strategy of Business Sectors

Environment

Society

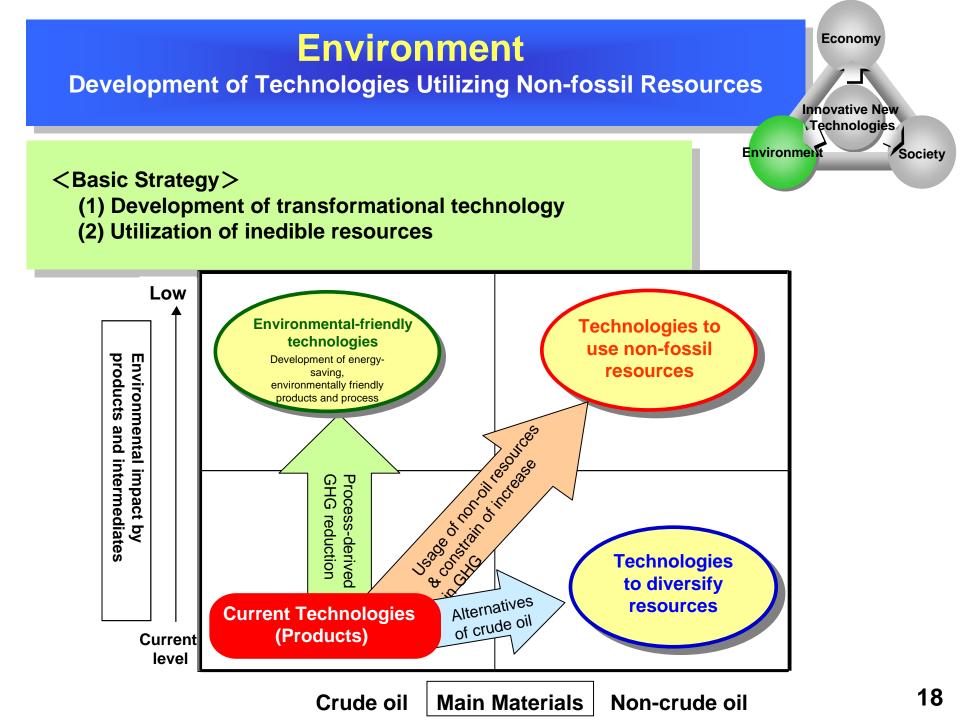
	Performance Materials	Advanced Chemicals	Basic Chemicals
Mission	Establish high- profitability as a growth driver.	Pursue business scale to establish the third pillar.	Strengthen profitability.
Basic Strategy	Expand functional polymers and restructure business portfolio.	Expand business scale by focusing on M&A.	Strengthen competitiveness against threat by capacity expansion in the Middle East.
Approaches	Aggressively invest management resources in functional polymers.	Expand agrochemicals, vision care and catalysis businesses.	Introduce competitive technologies to manufacture high-value- added products. Win in growing Asian market.



<Basic Strategy>(1) Invest in energy-saving measures (2)Develop innovative process contributing to significant reduction of GHG

#### 2. Land-filled Industrial Wastes "Minimization"

<Management Target (2011)> Japan: 1% or less at every site (minimization) Overseas: 5% or less on average



### Society Occupational Safety & Compliance

#### Achieve world-top class safety level (2011)

- Frequency Rate of Occupational Injury (lost-time) 0.15 or less
   Ditto (lost-time+non-lost time+light wound) 1.8 or less
- Eradicate violation against laws and regulations

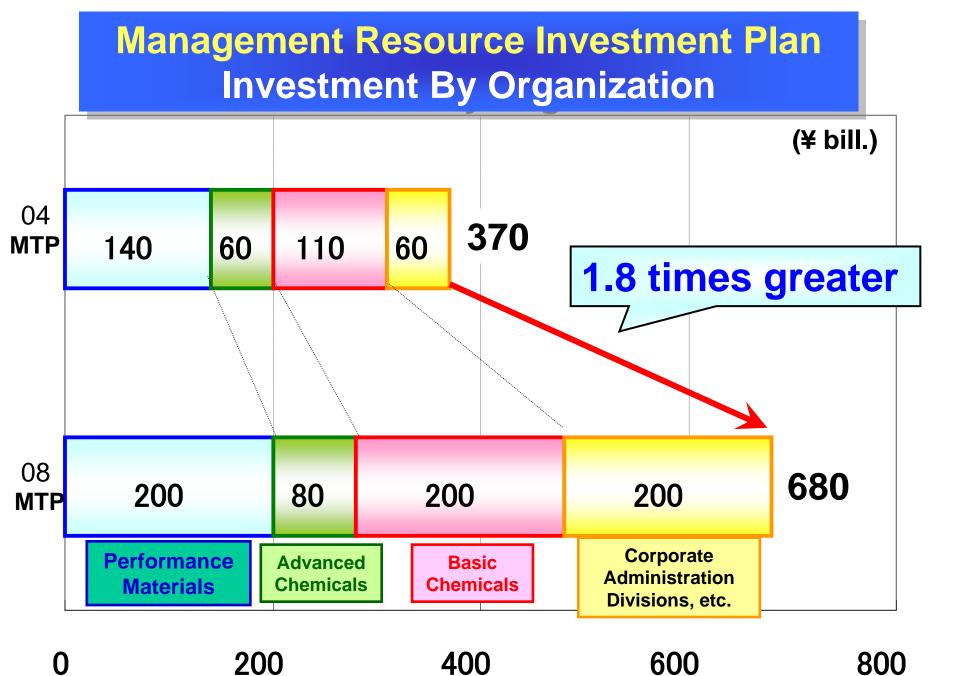
# (1) Promote motivation group-widely (2) Establish best-suit framework to realize optimal labor safety

Economy

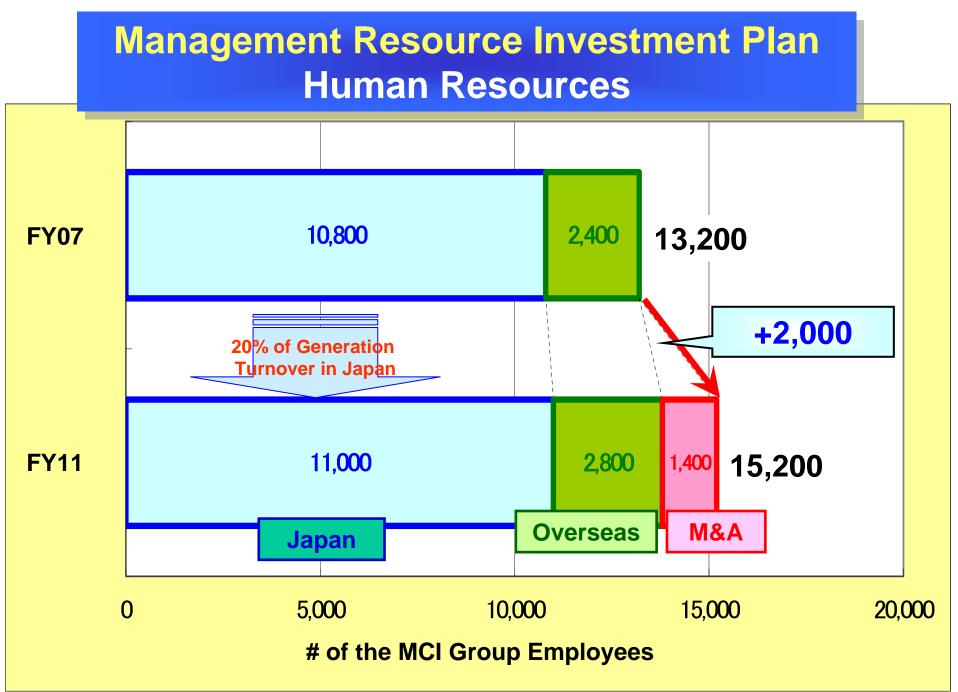
Innovative New Technologies

Society

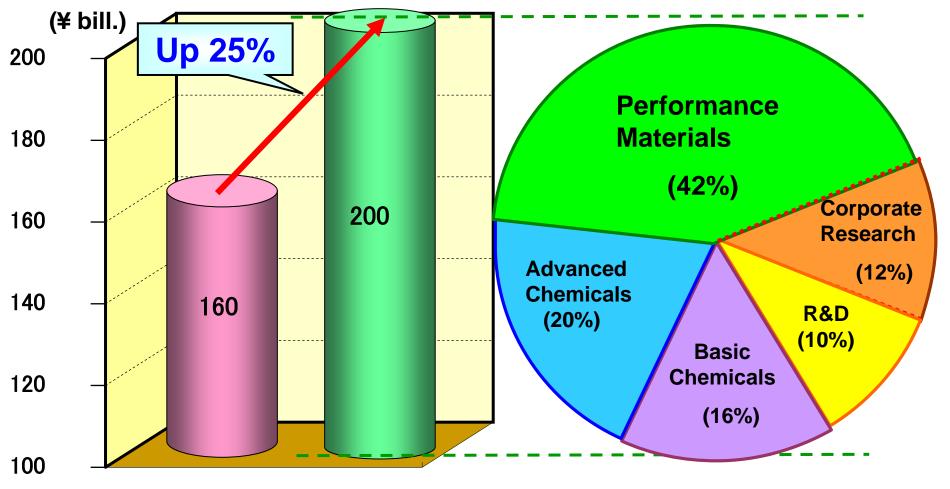
Environment



#### Management Resource Investment Plan **Investment by Objectives & Scale** (¥bill.) **Investment Scale Objectives** Corporate-level **Construction and** strategic investments Infrastructure expansion Small-scale 100.0 development, etc. of production capacity investments 214.0 229.0 Total 281.0**Total** 680.0 680.0 244.0 M&A 122.0 Large-scale investments 170.0 (Japan) Large-scale investments (Overseas)

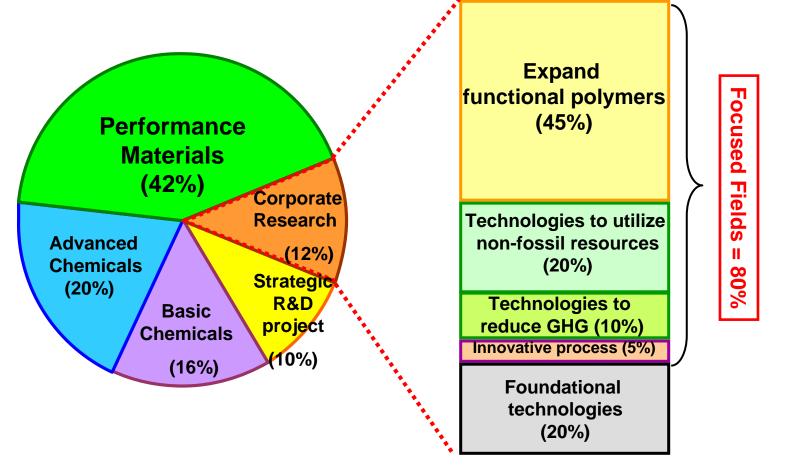


The MCI Group will focus on investment in Strategic R&D Project to accelerate our growth and expansion and create innovative new technologies.



### Management Resource Investment Plan Focus on Corporate Research

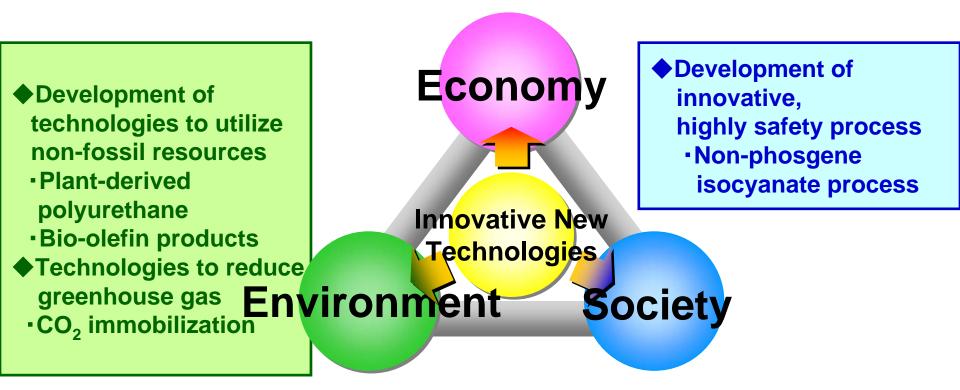
Breakdown of Investment in Corporate Research (2011)



Accelerate development of innovative new technologies by focusing 80% investment in main four fields.

### Creation of Innovative New Technologies Direction

 Strengthening of functional polymers portfolio
 Development of innovative process for olefin and aroma products



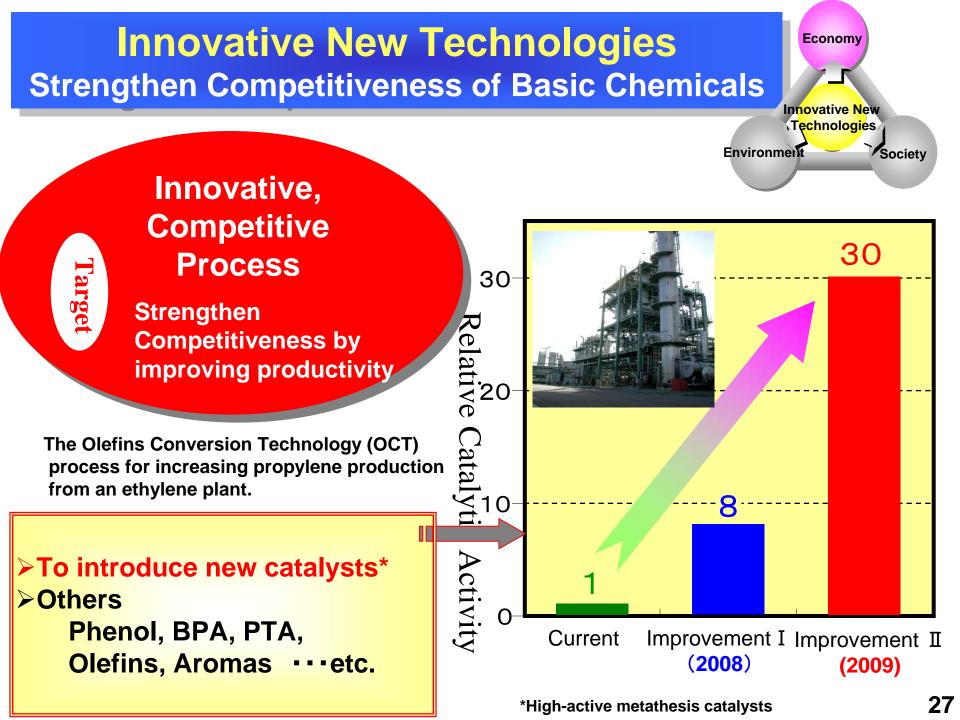
Economy

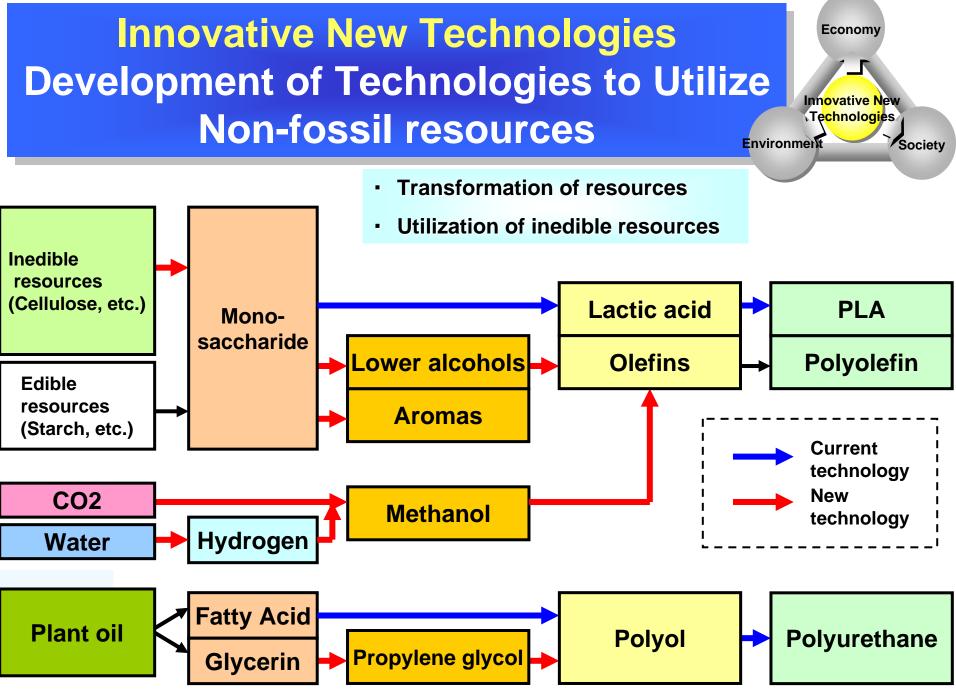
Innovative New Technologies

Society

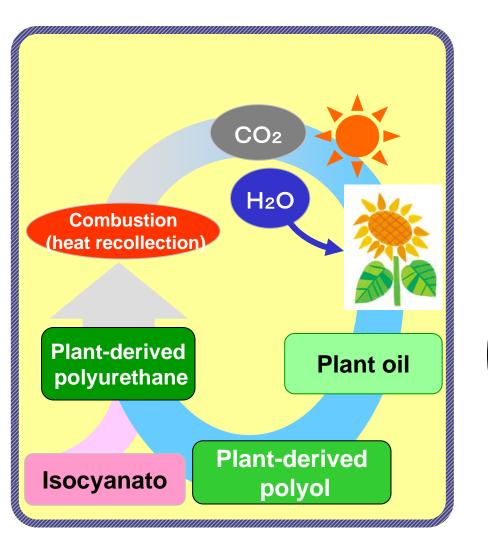
Environment

#### **Strengthen Functional Polymers Portfolio** Economy **Expand "functions" and "application"** Innovative New **Technologies** Environment Society Ultrahigh molecular weight **Ethylene/Cyclic olefin Ethylene polymer Copolymeric transparent resin** Performance **Nanocrystalline** Olefin structured **Polymers** Elastomer Low-resiliance **Polyurethane** Pursue utmost **High heat** structural excellence resistance Compound structures **Semiaromatic** Introduction of new polyamide structures Thio urethane Urethane **Polyamide**polymer to optical polyimide **Polymers** high-index plastic lens Ultra heat resistance **Thermoplastic Polvimide**





# Innovative New Technologies Bio-based Polyurethane



[Application]
 (Bio-based content: 10-70wt%)
①Low-resiliance pillow
②Automotive seats

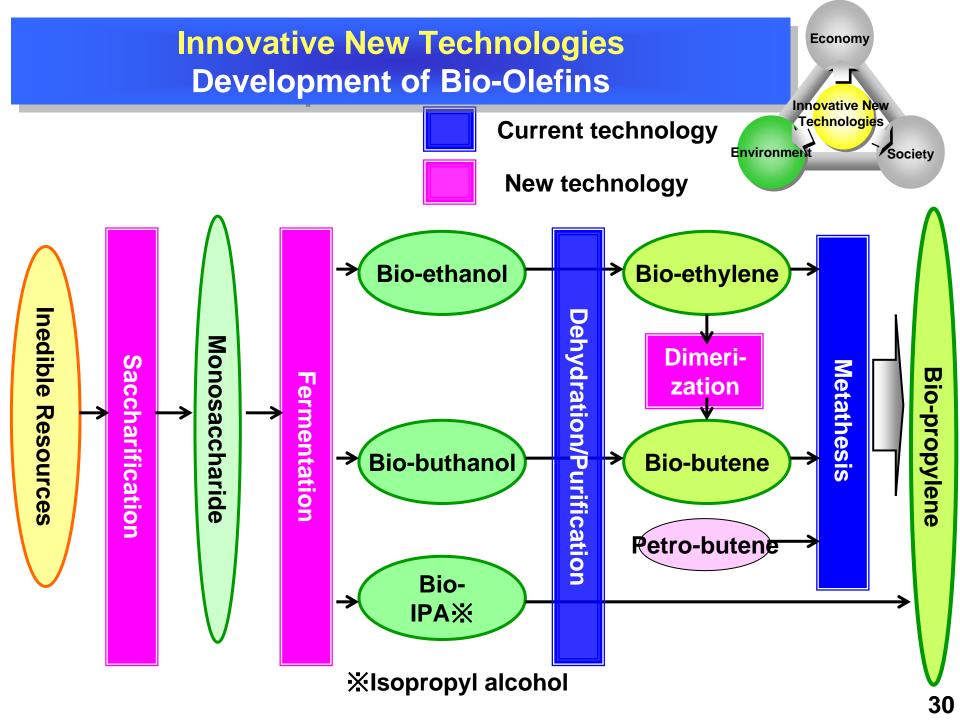
**Economy** 

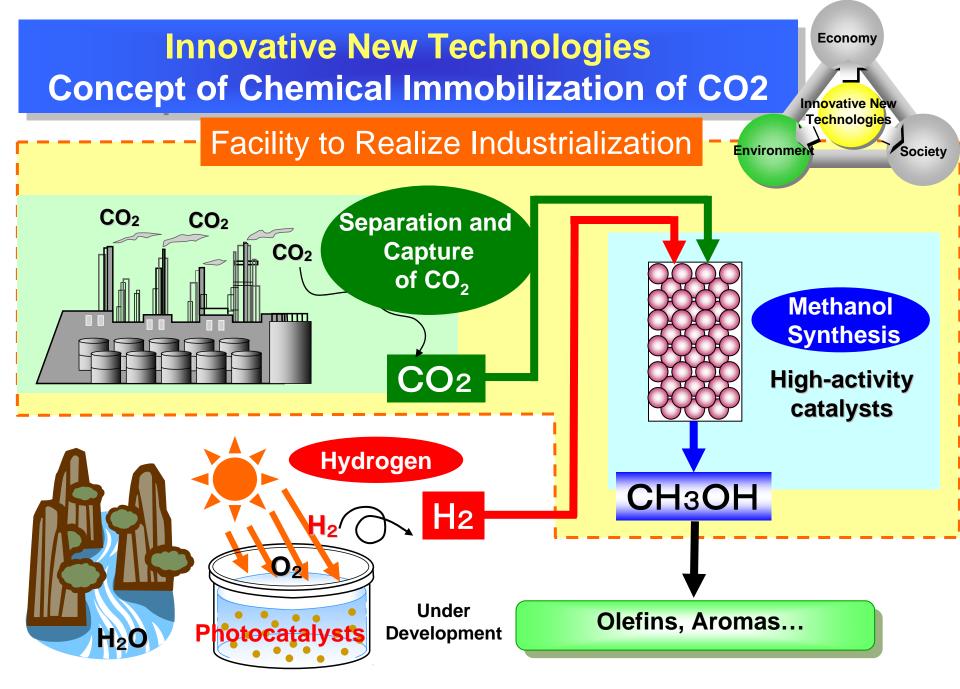
Innovative Innovative Technologies

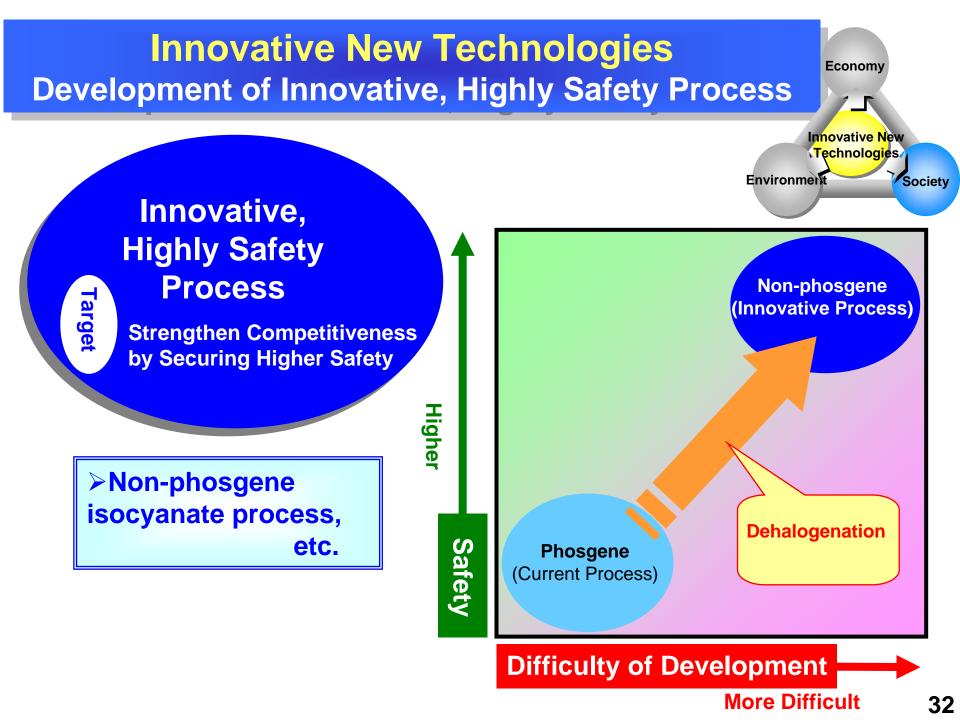
Environment

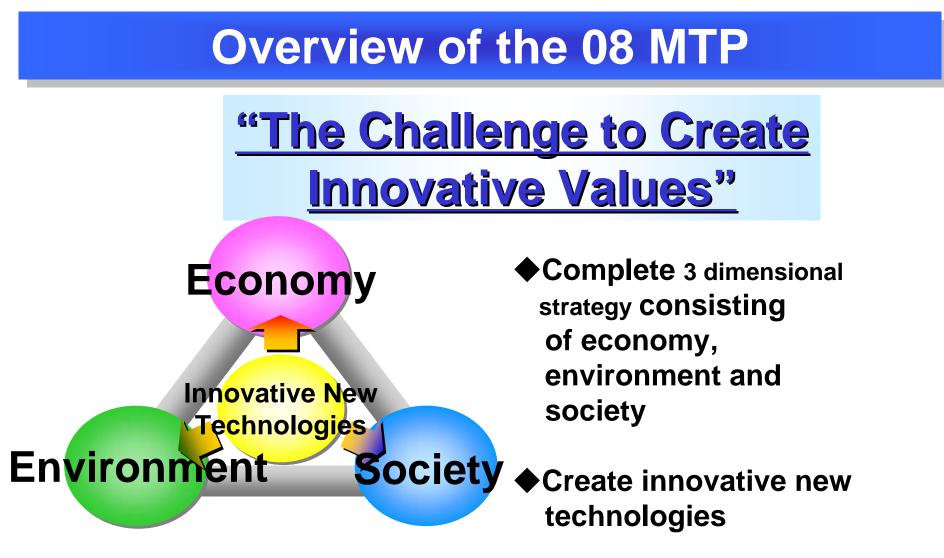
Society











The MCI Group will Challenge to Create "Innovative Values" To Achieve the Goals of the 08 MTP!!

This summary contains forward-looking statements about future plans, strategies, belief and performance of the Mitsui Chemicals Group as a whole and its individual consolidated companies. These forward-looking statements are not historical facts. They are expectations, estimates, forecasts and projections based on information currently available to the Mitsui Chemicals Group and are subject to a number of risks, uncertainties and assumptions, which, without limitation, include economic trends, fluctuations in foreign currency exchange rates, fluctuations in the price of raw materials, competition in markets where the Company is active, personal consumption, market demand, the tax system and other legislation. As such, actual results may differ materially from those projected and the Mitsui Chemicals Group cannot guarantee that these forward-looking statements are accurate or will be achieved.



### "Chemistry, Innovation, Dreams"

∼The Mitsui Chemicals Group is constantly pursuing innovation and materializing dreams with the wonder of chemistry ~

# (The End)