Current Status of the Mid-Term Management Plan

SZ-20

November 6, 2013

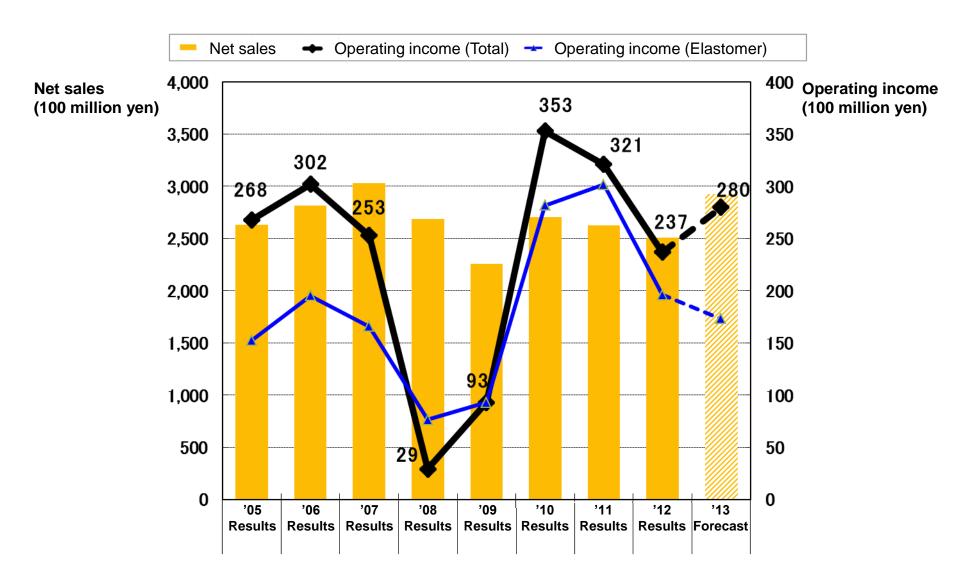
ZEON CORPORATION

Kimiaki Tanaka President

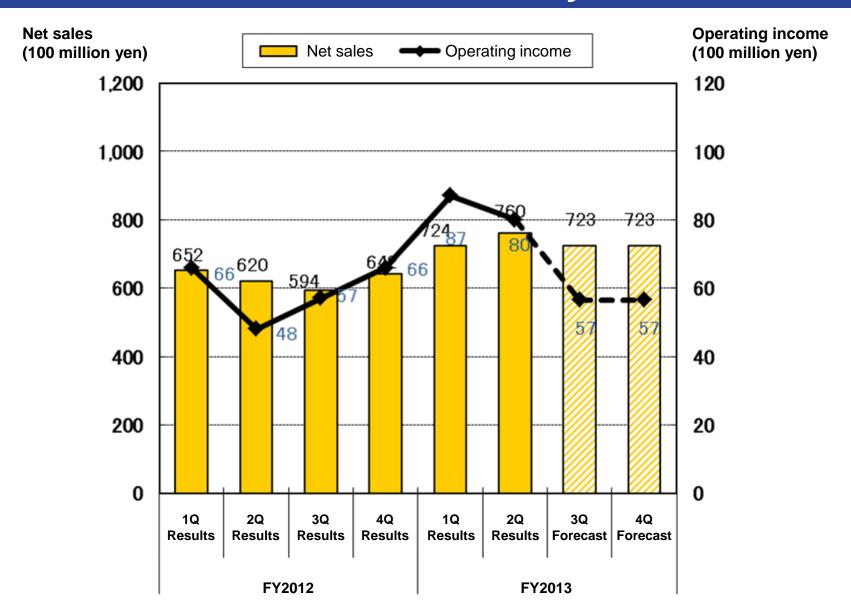
Contents

- I. FY2012 Results and Business Environment
- II. Mid-term Management Plan SZ-20
- **III. Business Topics**
- IV. Performance Goals

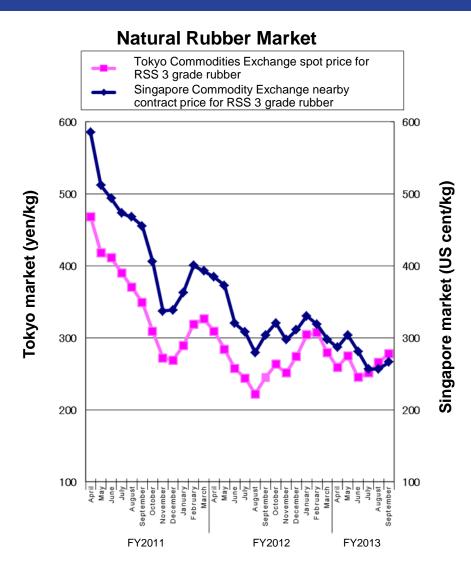
Consolidated Results



Consolidated Results – Quarterly

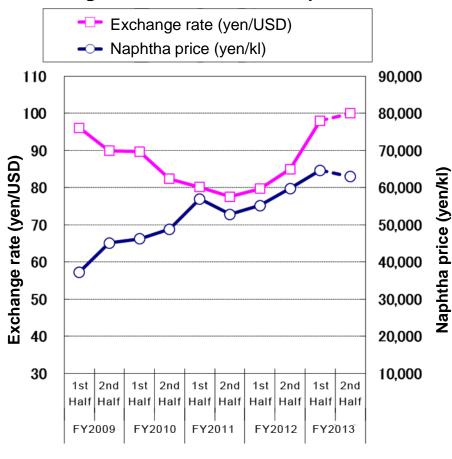


Economic Environment



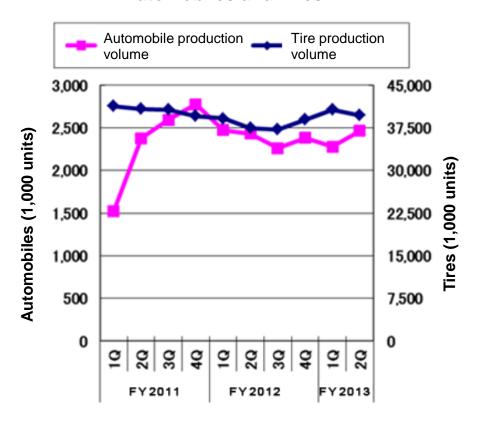
Source: Monthly Statistic Report for Synthetic Rubber

Exchange Rate and Domestic Naphtha Price



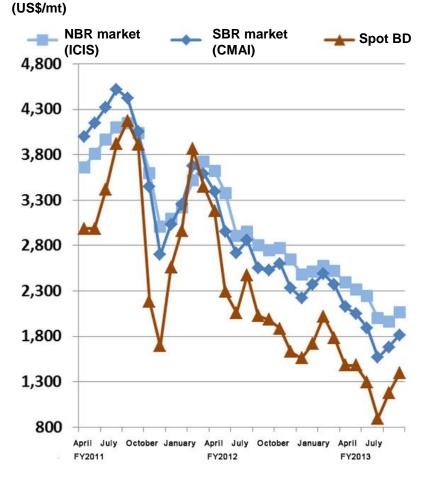
Economic Environment

Domestic Production of Automobiles and Tires



Source: Japan Automobile Manufacturers Association, Inc. and the Japan Automobile Tire Manufacturers Association, Inc.

Synthetic Rubber and Butadiene Material Markets



Source: ICIS (NBR market, CFR Southeast Asia) Source: CMAI (SBR market, CFR Southeast Asia market) Source: PLATTS (Spot BD – CFR Taiwan)

Mid-Term Management Plan (FY2011–FY2013)



Evolve ideas toward execution from FY2011 through FY2013

Key sense of value

Dialogue

Social contribution

Treasured ZEON characteristics

Mutual trust and fellowship

Enterprise Blueprint for 2020

ZEON makes the future today through the power of chemistry

ZEON will continue to contribute to the realization of customer dreams and a prosperous society



SZ-20 Basic Strategy

Further Strengthen our Elastomer Materials and Specialty Materials **Businesses for Globally Expanding Operations**

FY2020 consolidated net sales: 500 billion yen

FY2020 overseas production ratio: **50%**

Strategy by Business Segment

Elastomer Materials Business

Further strengthen competitive businesses by responding globally to growth markets

Specialty Materials Business

Expand operations by accelerating R&D in the three key fields

Strategy by Business Segment

Elastomer Materials Business

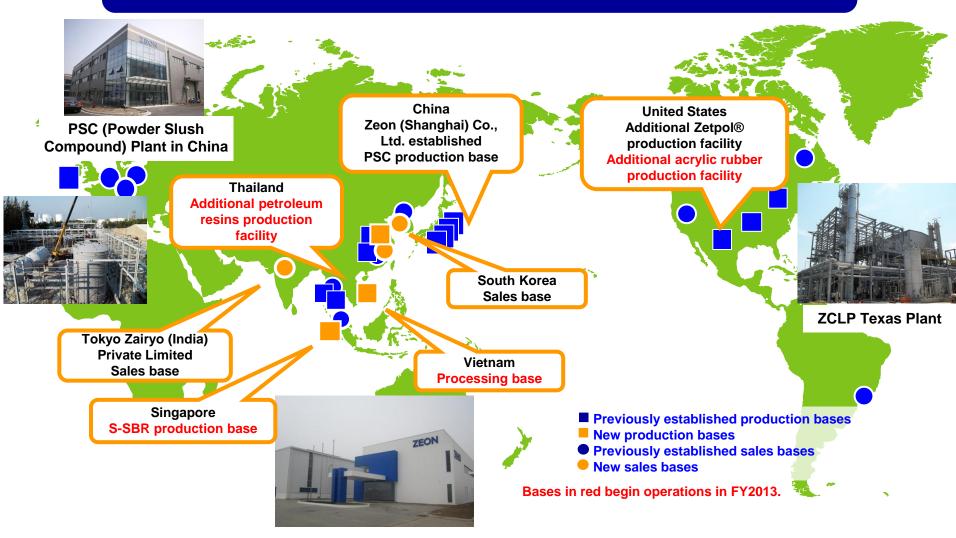
Further strengthen competitive businesses by responding globally to growth markets

Elastomer Materials Business

Expand operations by accelerating R&D in the three key fields

Global Development

Further Strengthen Competitive Businesses by Responding Globally to Growth Markets



Global Development (Singapore)

New S-SBR Plant Begins Operations

Securing supply capability for the expanding fuel efficient tire market

Singapore Plant Construction completed in March 2013

Test runs (polymerization to drying) began in July 2013

→ Stabilizing operations and achieving built-in quality for start of full-scale operations in December



September 2013
Start of initial
commercial production



Began sample shipments for customer evaluations

- → Favorable evaluation
- **→** Early approval

ZEON

Elastomers

Global Development: Singapore

Zeon Chemicals Singapore Pte. Ltd. (ZCS) Plant

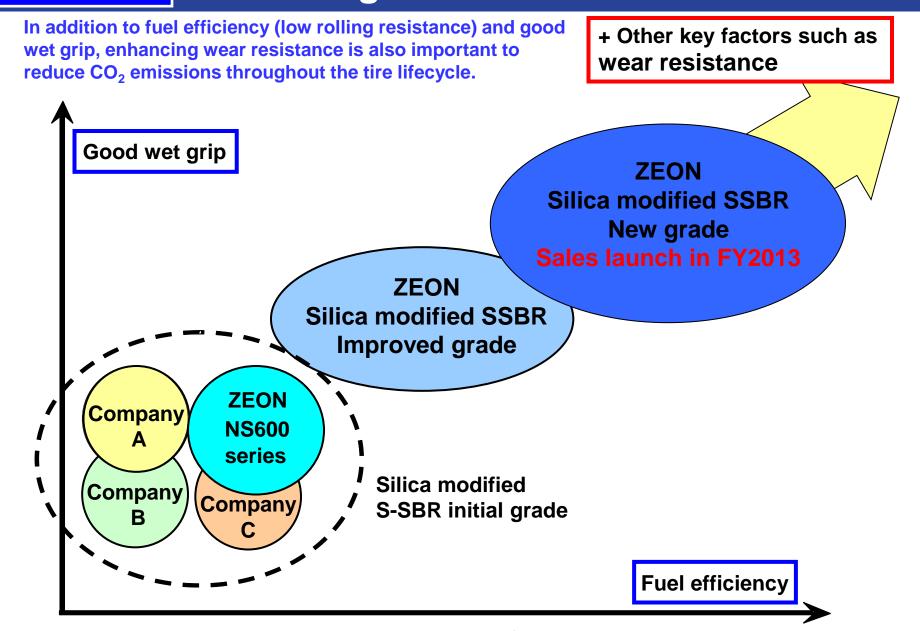




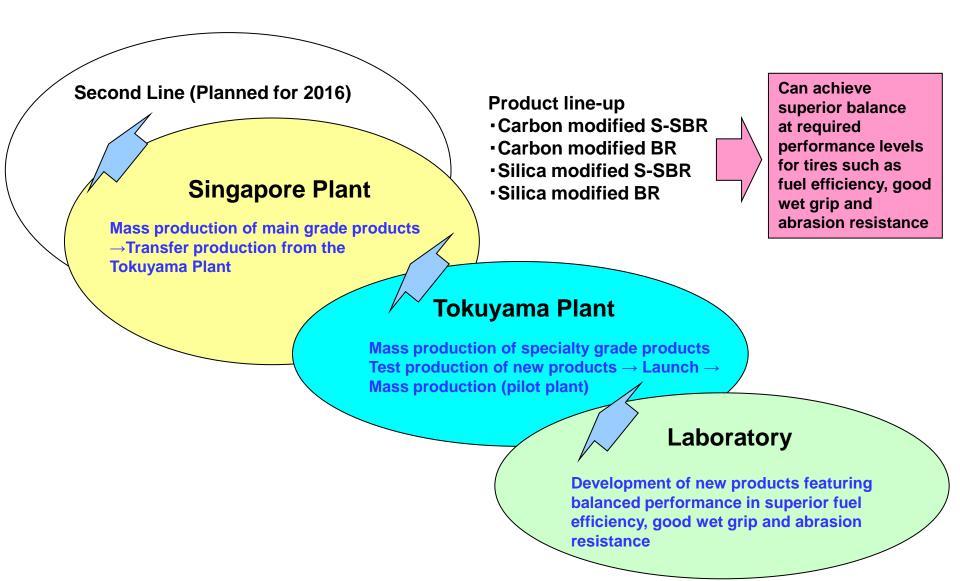


Elastomers

Enhancing Performance with S-SBR



Production System at Plants in Singapore and Japan



Global Development: Vietnam

Established a processing base and constructed a distribution container (STEC®) plant

Shipments to be made for new S-SBR plant and general industrial applications

Vietnam Plant

Started test production in April 2013



Container for synthetic rubber (STEC®)



Began making shipments to Japan and Singapore

Global Development: Thailand

Expanded C5 Petroleum Resin Plant

Meeting robust global demand for adhesive tape and traffic paint

Thailand Plant

Completed construction and began operations of another plant that is similar in scale to the plant of subsidiary Zeon Chemicals (Thailand).







Global Development: China

Expanded Powder Slush Compound (PSC) material business

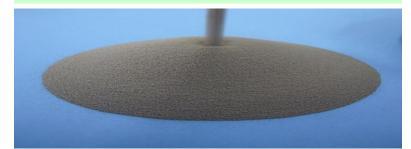
Supplying interior materials for automobiles for the Chinese and other markets

China PSC Plant

First Line started production in April 2012



Completed the expansion of the Second Line Capacity: 2,400 tonnes per year (starting November 2013) Used in automobiles as a surface skin material for instrument panels





Global Development: United States

Expanded HNBR (Zetpol®) and Acrylic Rubber plants

Expanded plants at subsidiary Zeon Chemicals L.P.

Texas Plant

Plant for Zetpol® expanded and started commercial production in April 2012



Responding to global increase in auto production and need for long-life products

Kentucky Plant

Plant for acrylic rubber expanded and started commercial production in July 2013

Zetpol® – Target Areas and Market Expansion

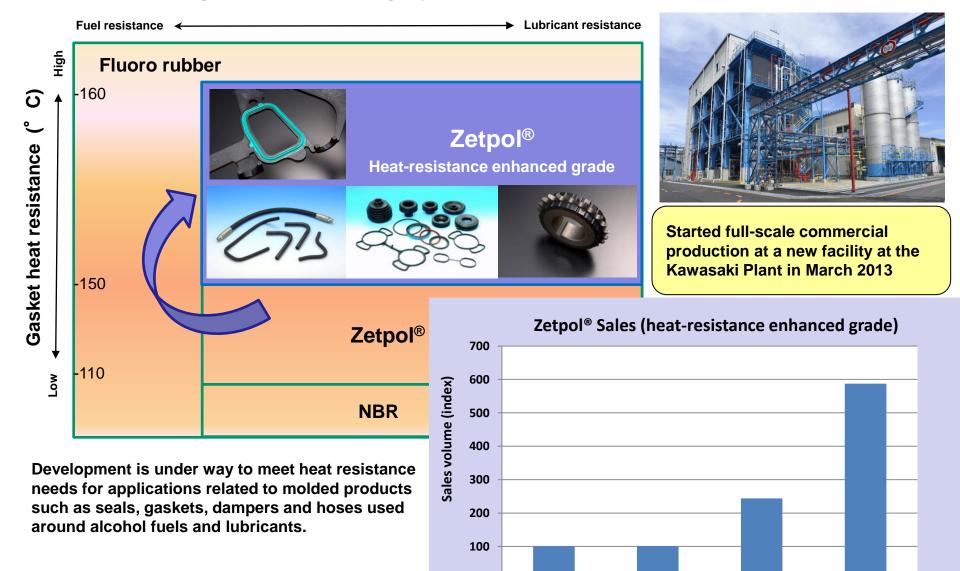
FY2010

FY2011

FY2011

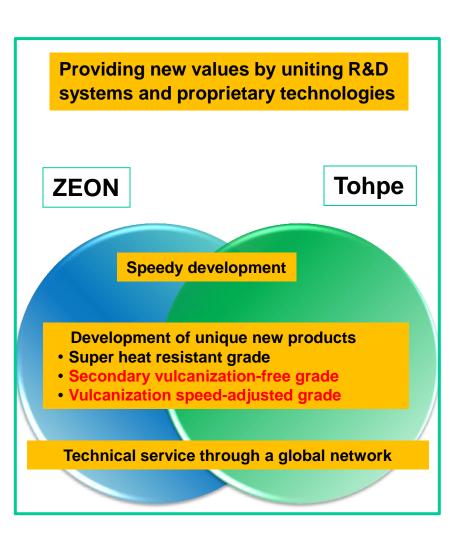
FY2013 Forecast

Meeting the need for highly functional automotive components

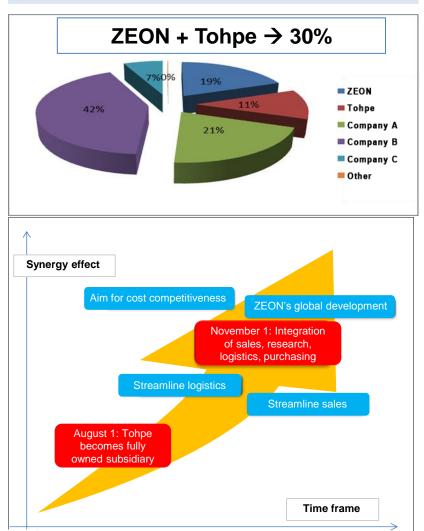


Development of Acrylic Rubber Business

Acquisition of Tohpe for the acrylic rubber business



Global Share of Acrylic Rubber



Emulsion for Polyisoprene Rubber (E-IR)

Completed the initial facility expansion and increased sales of surgical gloves and other items

October 2013

Completed expansion of existing facilities

2014

Increase sales (500 tons/year)

Consider further expansion or construction of new facilities





Consideration is being given to further expanding production of E-IR.

Strategy by Business Segment

Elastomer Materials Business

Further strengthen competitive businesses by responding globally to growth markets

Elastomer Materials Business

Expand operations by accelerating R&D in the three key fields

Three Key Specialty Material Fields

IT components
Optical, packaging, electronic applications

Energy components

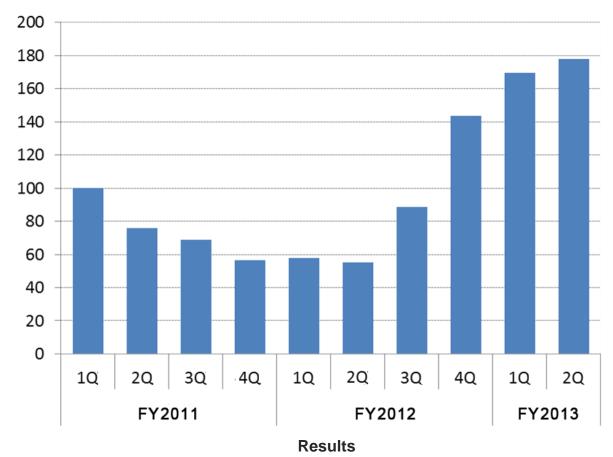
Medical devices

Specialty Materials

Specialty Materials Business: IT Components (Optical)

Changes in Sales Volume of ZEON Optical Film

Sales volume (index)



Index is calculated based on sales volume in the first quarter of FY2011 as 100.



Specialty Materials Business: IT Components (Optical)

Completed a new plant for diagonally stretched retardation film in Tsuruga City, Fukui Prefecture

Combined the production capacity of diagonal stretching facilities to a total of 25 million m²/year

- Meeting growing demand for small- to medium-sized liquid crystal displays
- Consideration given to ideas included in our business continuity plan

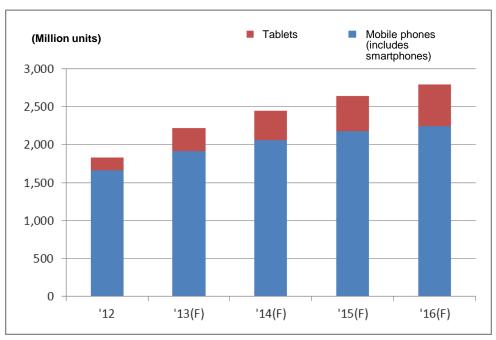
Outline of New Plant

- Production capacity: approximately 10 million m²/year
- Completion of construction: October 2013
- Commercial production: to begin in FY2013



New plant

Number of Smartphones and Tablets



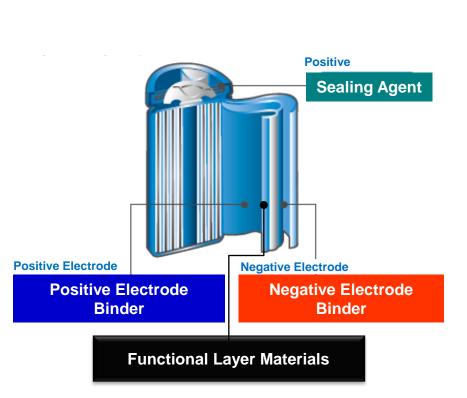
(Source: Display Search)

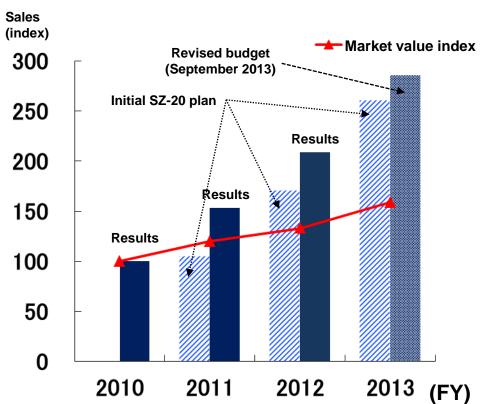
Specialty Materials Business: Energy Components

With a strengthened product line-up, the energy materials business has been successfully expanded beyond the company's original goals.

ZEON Products for Lithium-ion Batteries

Sales of ZEON's Battery Materials





^{*}Index based on scale where FY2010 is 100



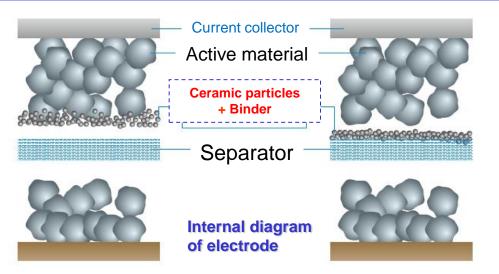


^{*}Market value based on report by three Japanese companies (February 2013)

Specialty Materials Business: Energy Components

Began developing slurry business based on the knowledge we gained through our pioneering technology in the binder business

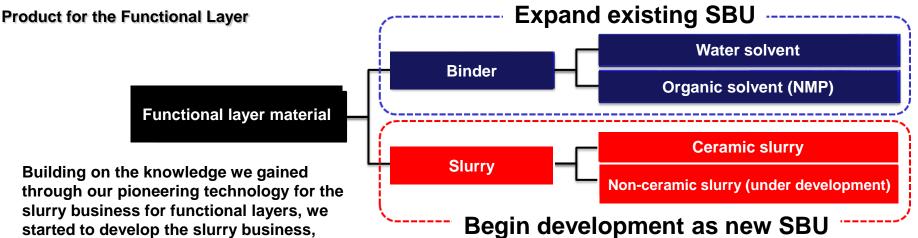
Role of Functional Layer



- 1. Longevity
- 2. Filling properties

Functional layer material that enhances the above and other properties
(Used extensively for

smartphones and automotive applications)



where there is strong market demand.

Specialty Materials Business: Medical Devices

ZEON for Stone Extraction Target: 50% share of total gall stone removal market

Balloon Catheter for New Product Started sales in 2005 **Stone Extraction** On sale since 2010 Started sales in Launching new products and enhanced products to meet market needs February 2013 **Enhanced Enhanced Enhanced** capture capture capture **Improved** Water **15mm** One-sided **Expanded** shape njection flush expansion diameter **EX Balloon Catheter** Offset EX Balloon Catheter **Balloon Catheter B Lithotripsy Basket Extraction Basket Sales of Total Stone Extraction Products**



FY2010

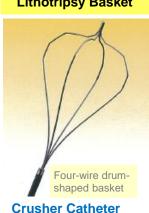
FY2011

FY2012

FY2013 (Plan)









40

20

0

FY2009

Specialty Materials Business: Medical Devices

Established a sales base in Guangzhou, China. Seeking to gradually increase registered pharmaceutical products and expand sales.

Name Zeon Medical (Guangzhou) Inc.

Location Room 1706A, Goldlion Digital Network Center,

138 Tiyu Road East, Tianhe, 510620, Guangzhou

Capital 200,000 USD

General Manager

Employees Business

Shareholder Zeon Medical Inc. (100%)

Start of operation December 2012

tart or operation December 2012

Chairman Muneki Sawa (President, Zeon Medical Inc.)

Zhou Yongwei

5 (as of October 2013)

Import and sales of medical devices for

circulatory and digestive systems and

various organs







Example of Development of New Specialty Materials

We began producing and providing samples of Carbon Nano Tubes (CNTs).

Carbon Nano Tube Business: CNT Production

NEDO

Achieved CNT capacitor development project

Large substrate surface area



Continuous synthesizing technology



Super Growth CNT Pilot Plant

Large surface area and continuous production



In FY2011, started a collaborative project with the National Institute of Advanced Industrial Science and Technology (AIST).

Developing mass production technology and provided some samples

In FY2012, ZEON began its own production.

Providing samples in anticipation of mass production (Promoting a B-to-B business)

Development Example of New Specialty Materials

Accelerating the development of new applications for Carbon Nanotubes (CNTs)

Carbon Nanotube Business: CNT Application Development

CNT Application Development

Technology Research Association for Single Wall Carbon Nanotubes (TASC) Chairman: Naozumi Furukawa, **Chairman, ZEON Corporation**

Members of the CNT project

National Institute of Advanced Industrial Science and Technology (AIST), Toray Industries, Inc., NEC Corporation, Teijin **Limited, Sumitomo Precision Products** Co., Ltd., Zeon Corporation

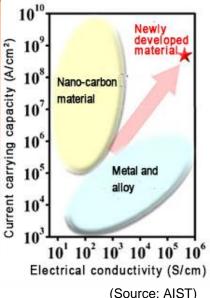
Copper-CNT Composite Material

Material with electrical conductivity comparable to copper and capable of carrying electrical currents up to 100 times more than copper

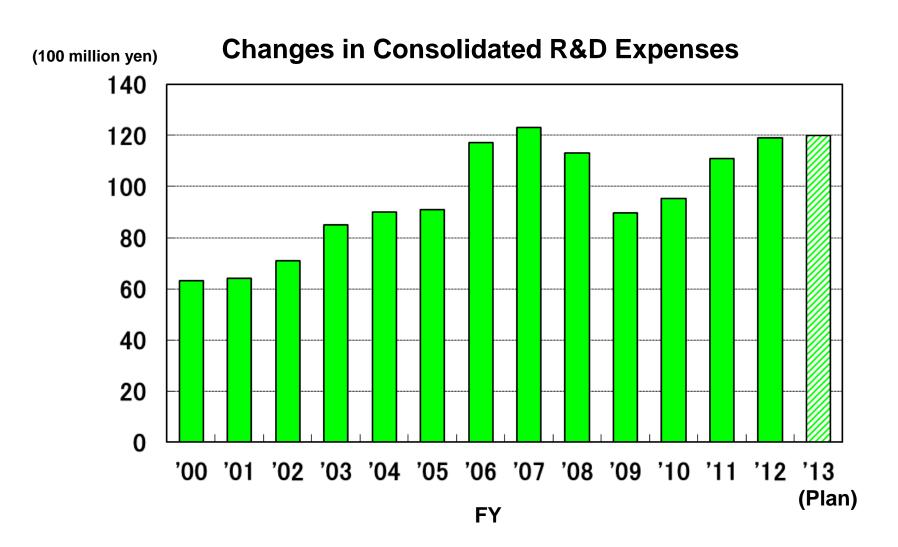
Promising wiring material that can meet the needs of smaller devices with higher functionality



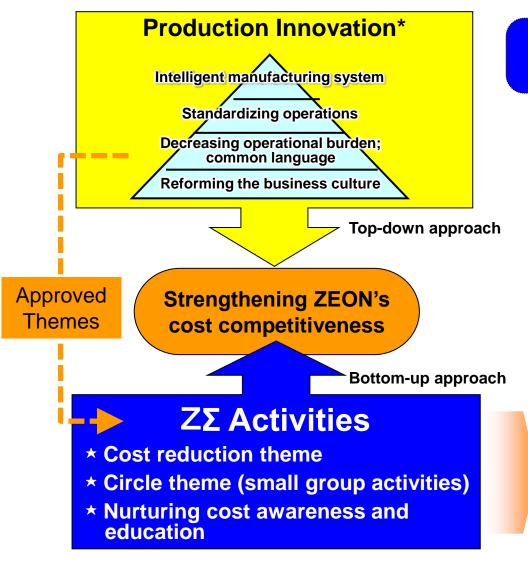
Newly-developed Cu-CNT composite material



Changes in R&D Expenses



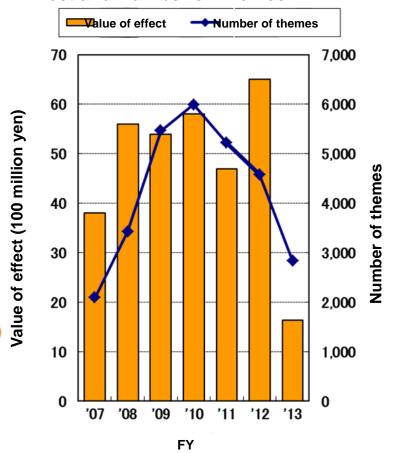
Strengthening Cost Competitiveness



^{*}Production Innovation: Daicel Production Innovation

Continuing Efforts for Innovation and Improvement

ΖΣ Activities – Transition in Monetary Effect and Number of Themes

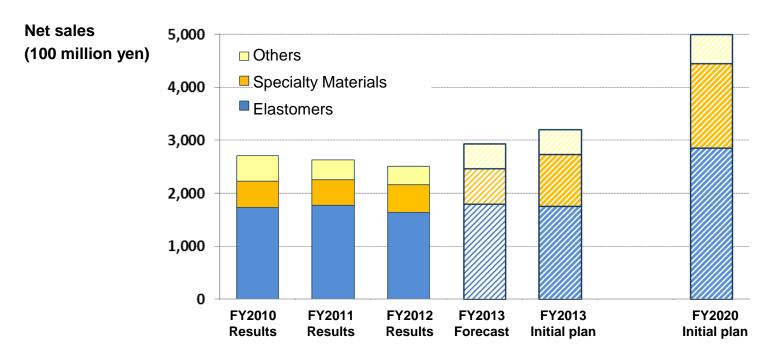






Business Targets

Targeting 500 Billion Yen in Consolidated Net Sales in FY2020



Consolidated
Net Sales
(100 million yen)

FY2010	FY2011	FY2012	FY2013 Forecast Initial plan		FY2020 Initial plan
2,704	2,628	2,508	2,900	3,200	5,000

Grand total from FY2011 to FY2020

3,200

Capital Investment

FY2010 103

(100 million yen)





Speed

Dialogue

Social Contribution

Mutual trust and fellowship



ZEON's plans, forecasts, and other data appearing in this presentation were calculated based on information which was currently available and therefore includes risks and uncertainties. Actual results may differ depending on various factors.

Public Relations Department, CSR Division, Zeon Corporation

Shin Marunouchi Center Building, 1-6-2 Marunouchi, Chiyoda-ku, Tokyo 100-8246, Japan, Tel: +81-3-3216-2747, Fax: +81-3-3216-0501

