# FY2013 Medium-Term Plan

April 8, 2010

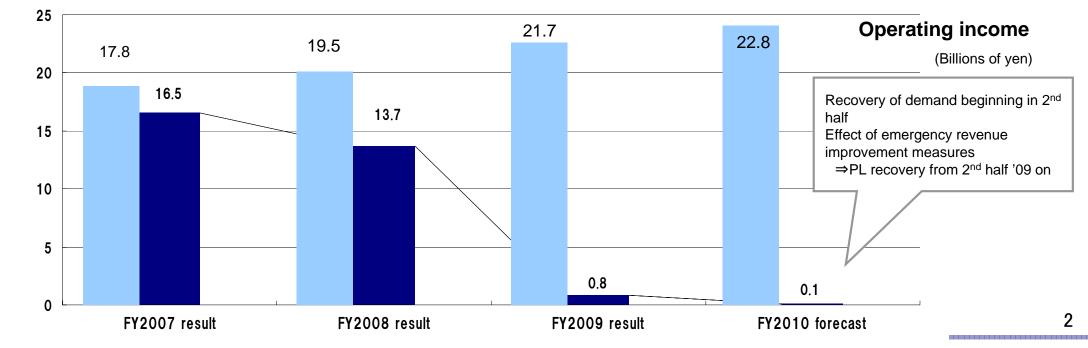
Furukawa-Sky Aluminum Corp.

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### **Review of FY2010 Medium-Term Plan**

	■ Lehman's fall ⇒ Strong effect on revenue
■Jump in materials/fuel price ■Tax structure revision	Broad drop in demand     Drop in raw materials price
<ul> <li>Establish subsidiary for support of self-reliance of the physically</li> <li>Establish extrusion subsidiary at Tianjin Capital participation i</li> <li>Investment in Ruyuan Dongyang (China) Establish automotive</li> <li>Tie-in with Choil (Korea) Establish coil center in Thailand Establish</li> </ul>	y-challenged in Bridgnorth (England) /e heat exchanger materials sales subsidiary in Greece
	<ul> <li>Establish extrusion subsidiary at Tianjin</li> <li>Capital participation</li> <li>Investment in Ruyuan Dongyang (China)</li> <li>Establish automotive</li> </ul>



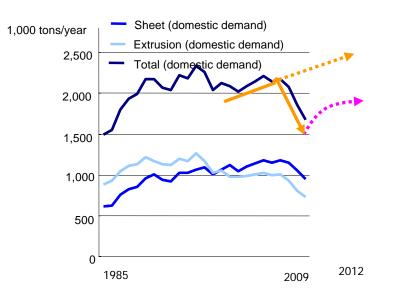
# **Business Environment View: Demand trend**

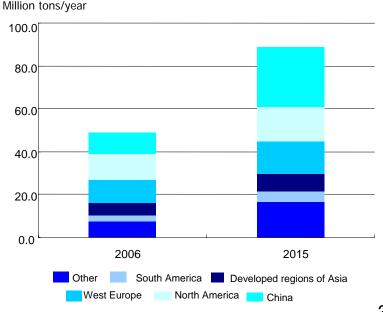
#### **Domestic Demand**

- The global recession caused a rapid decline in demand since 2008, and despite the recovery since the second half of 2009, the direction of demand is unclear.
- Demand in mid-2012 is expected to reach 80-90% of its 2008 peak, with no change or a slight decrease forecast for the long-term.
- Reform of the domestic industrial structure (paradigm shift) after the sudden decline is noted as being underway.

#### **Overseas Demand**

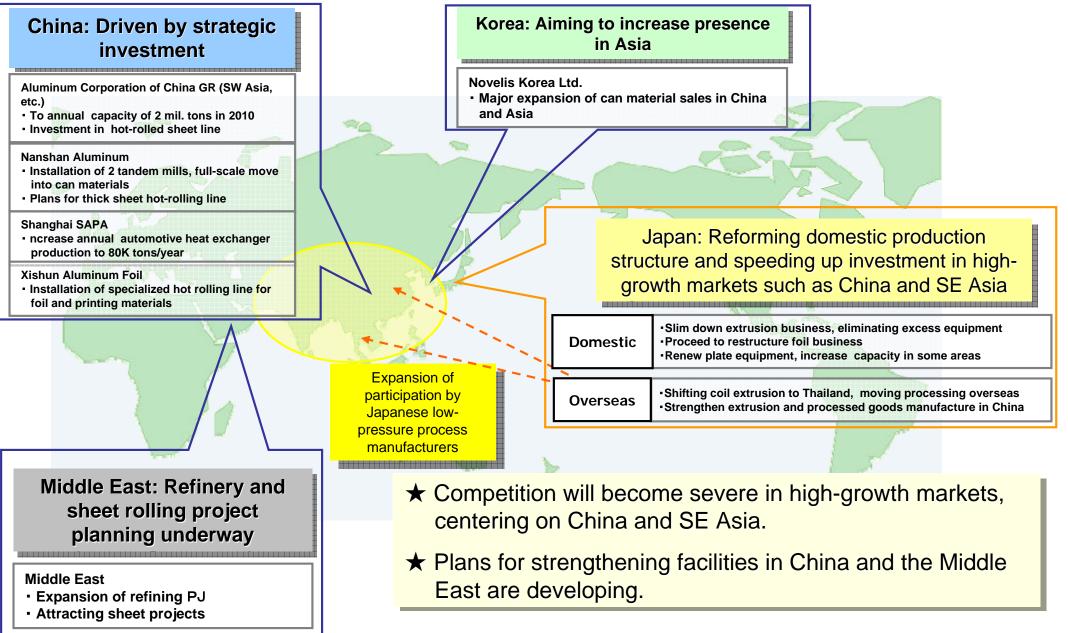
- Demand declined temporarily after the fall of Lehmann, but recovery was rapid. Recovery is forecast for the mid- to long-term, with growth in China and Asia in particular.
- Can materials, printing plates, heat exchanger materials, etc. for which demand in Japan has plateaued are growth items in China and other developing nations.
- Japanese clients are strengthening existing overseas production and developing new production bases.
- Opportunity for major growth in the global market





Domestic low-pressure process product shipping volume

# **Business Environment View: Competition**



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## **Medium- to Long-Term Business Vision**

### **Conditions of Survival**

- Respond to domestic demand reaching maturity •••
   Promote structural reform
- Defense against the threat of China ••• Domestic alliances
- Differentiation technologies, product maintenance

### **Conditions Conducive to Growth**

- Preserve demand in newly developing markets •••
   Global cost competition
- Surefire business approach toward substitute products ••• Ability to innovate
- Strengthen financial condition to enable active investing

We are expanding and strengthening our operational foundation and scale of business, so as to become an attractive company that ranks No. 1 in Asia.

No.1 in profitability

No.1 in financial position

No.1 in technological prowess

No.1 in human resources

# Positioning FY2013 Medium-Term Plan



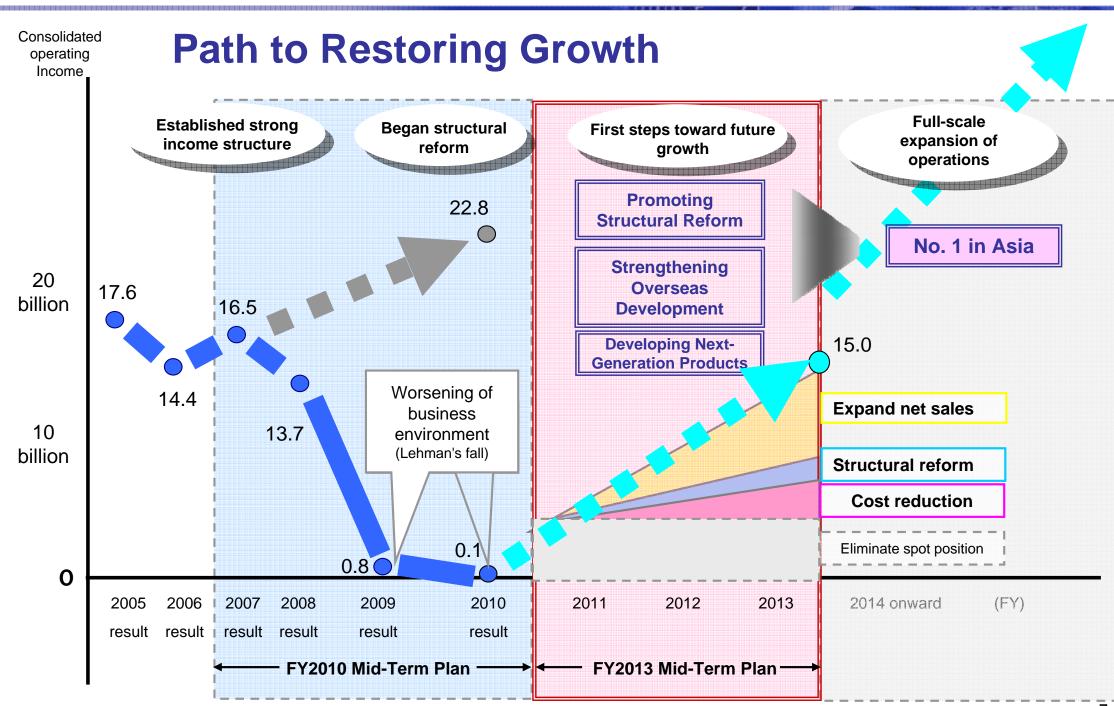
### Fiscal 2011 - 2013

#### First step toward renewed growth and a stronger business foundation for operational expansion

- Domestic •••• Promote structural reform in existing businesses and develop a stronger business foundation
- Overseas ···· Effectively respond to overseas growth markets
- New products ••• Develop business for high-growth products and next-generation products

Fiscal 2007 - 2010
A company that considers all stakeholders
Concentrate sheet production at 3 plants
Newly establish/strengthen 3 overseas plants
Strategic development of growth products Segmenting of markets and narrowing-down of growth products

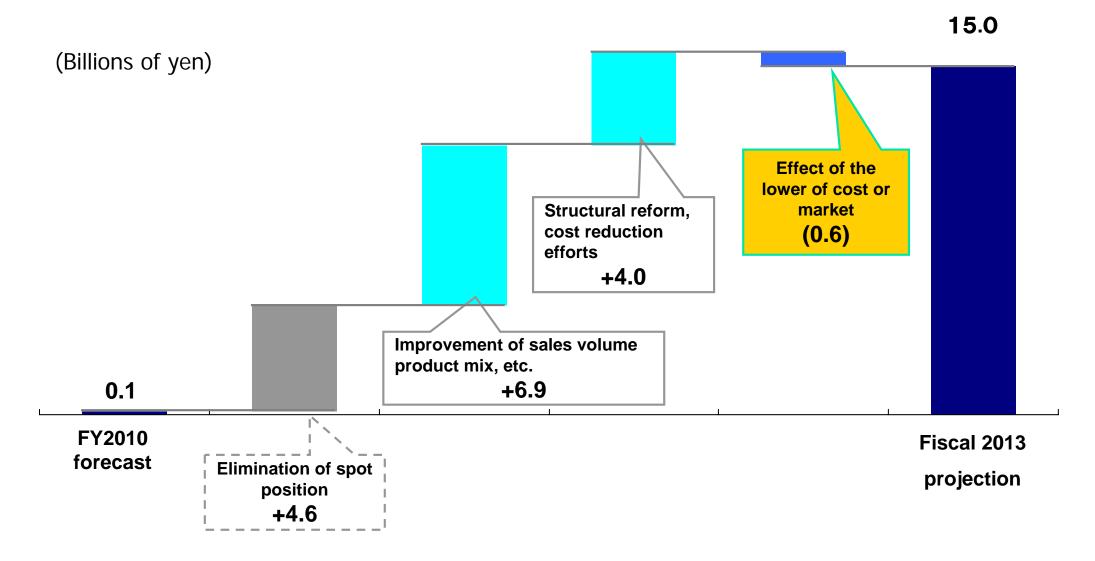
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### Numerical Targets (Consolidated Basis)

(K tons / Billions of yen)	Fiscal 2010 Forecast	Fiscal 2013 Projection	Increase/Decrease (FY2013 compared to 2010)
Sales volume (unit)	386	447	+61
Net sales	183.0	220.0	+37.0
Operating income	0.1	15.0	+14.9
Net income (loss)	(4.0)	9.0	+13.0
Operating margin (%)	0.1%	6.8%	+6.7
Interest bearing debt	73.0	57.0	(16.0)
Owners' equity ratio (%)	27%	35%	+8
Debt/equity ratio	1.3	0.8	(0.5)

# Factors behind consolidated operating income fluctuation

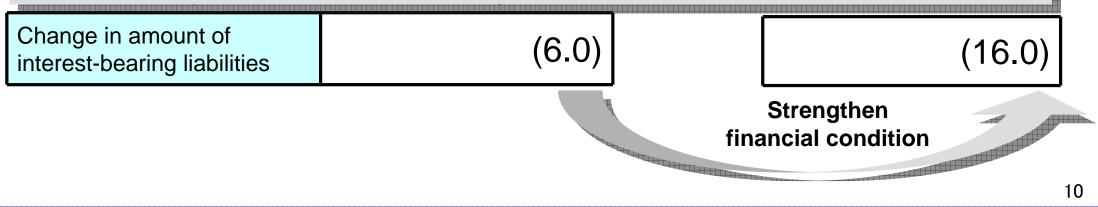


# **Consolidated Cash Flows**

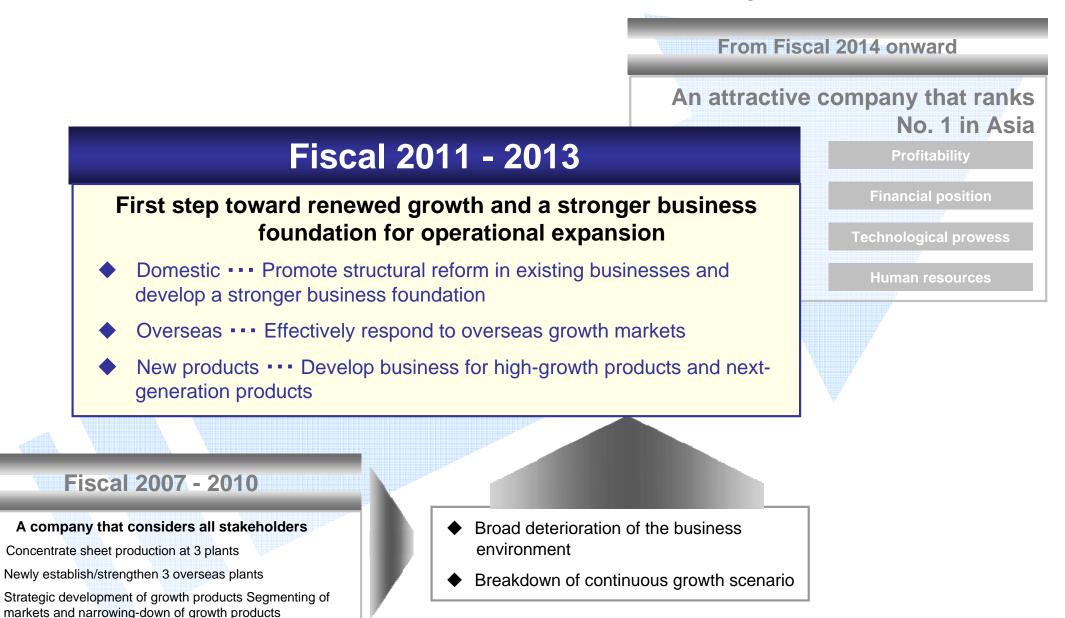
	Cumulative forecast for the past 3 years (FY2008 – 2010)	<b>3-year plan</b> cumulative totals (FY2011 – 2013)
Operating cash flow	48.0	55.0
Investment cash flow	(39.0)	(32.0)
Free cash flow	9.0	23.0

(Billions of yen)

Income expansion, careful facility investment, increased free cash flow



### FY2013 Medium-Term Plan: Basic Policy



# **Domestic Business Strategy**

### **Drivers of structural reform**

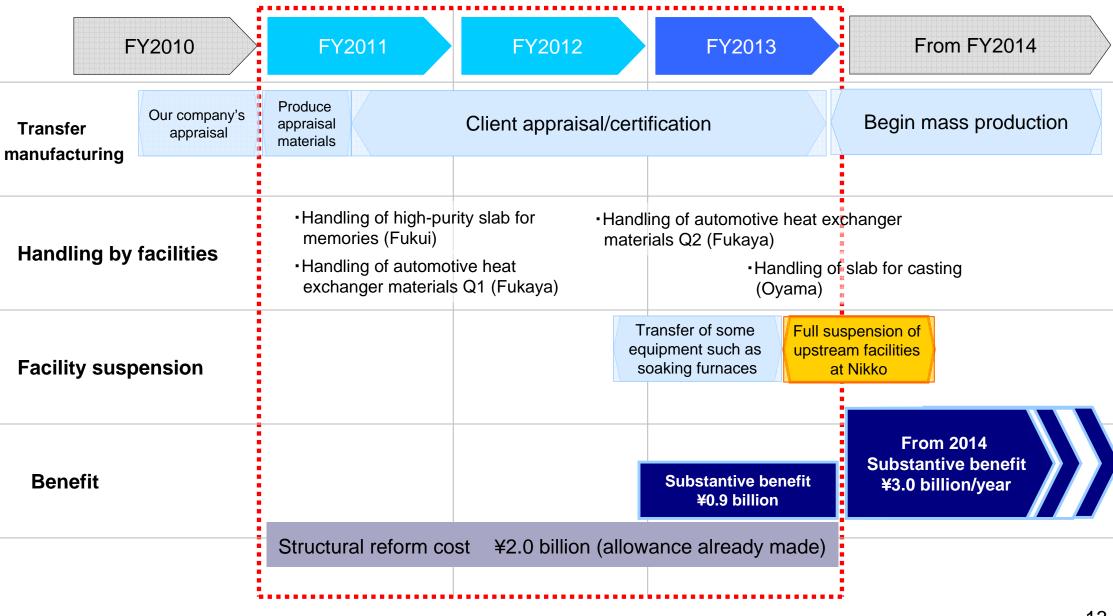
### (Sheet, foil)

- Structural reform benefit: suspend upstream processes at Nikko Works (casting-cold rolling)
- Benefit of structural reform in the color aluminum business (transfer production to Fukaya Works, reduce scale of production of Furukawa Color Aluminum)
- Benefit of making Nippon Foil Mfg. Co., Ltd. a wholly-owned subsidiary (Extrusion)
- Find the optimal manufacturing structure, revise product segments
- Look into measures for gaining strong increases in profitability, such as alliance formation

### Strengthening the business foundation

- In conjunction with suspending upstream processes at the Nikko Works, achieve optimal manufacturing concentration at the Fukui and Fukaya Works
- Prioritize workforce streamlining and rationalization investment, strengthen the financial condition by careful selection of facilities investment proposals
- Strengthen the cost and quality competitiveness of the domestic manufacturing network

Suspend upstream processes at Nikko Works (casting-cold rolling)



# **Global Business Strategy**

#### **Sheet Production**

- Strengthen production by existing overseas affiliates, such as of automotive heat exchangers and printing plates
  - Strengthen and increase production by Ruyuan (China) and Bridgnorth (Europe), expand the variety of items manufactured, and proceed with slitter business in Thailand
- Improve cost-competitiveness in the global can materials market (Asia and China).

#### Extrusion

- Expand production volume and type of automotive heat exchanger materials at existing manufacturing sites
  - FIA (Indonesia) Increase and strengthen facilities so as to increase the variety of products manufactured
  - FSAT (Tianjin) Improve sales to local manufacturers, sales to high- and middle-end markets
- Strengthen handling of global niche markets, such as for electrical components

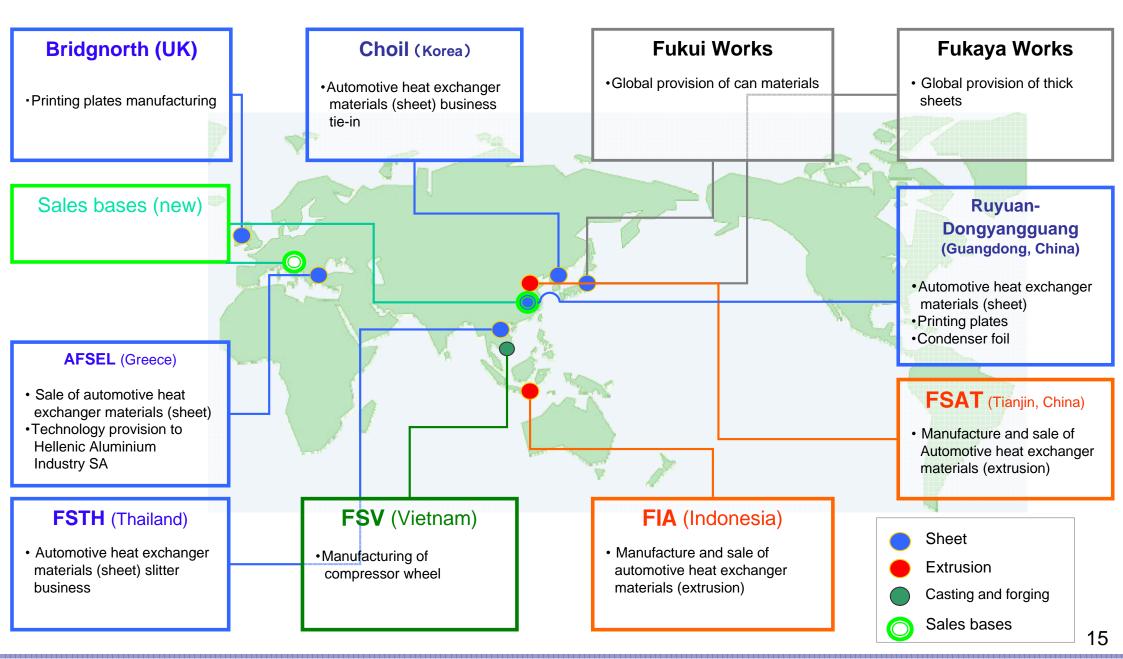
#### **Casting/forging**

- Establish ourselves as the world's No. 1 in compressor foil
  - Strengthen the manufacturing network focusing on FSV (Vietnam), strengthen measures for dealing with competitors

#### **Operating Structure**

- Establish local sales structures, with sales bases in China and Europe.

### **Bases Serving the Global Market**



# Strategic emphasis on products with global potential

### [Can materials]

- Fukui is the strongest manufacturing facility in Asia, and seeks to be No. 1 in terms of cost in the global can materials market
- We are looking into to means to optimize the supply structure, including alliances with overseas manufacturers
  - We seek to become the main supplier of can materials in Asia

### [Thick sheets]

- Use the special attributes of the Fukaya Works to further improve quality and shorten delivery times
- Develop products closely attuned to the needs of the markets in Asia and China



### [Printing plates]

- Strengthen technical cooperation with Bridgnorth, strengthen response to European and US markets
- Use Ruyuan to respond to middle- to low-end markets in China



# Strategic emphasis on products with global potential

#### Automotive heat exchanger materials

- Sheet: Strengthen technical cooperation with Ruyuan and Yangzhiguang, and expand sales in China; strengthen AFSEL, shore up efforts to expand sales in Europe
- Extrusion: Strengthen existing bases (FIA and FSAT), look into
- moving into new growth markets

#### Automotive

- Sheet: Strengthen parts and panel materials in response to growth in HV and EV
- Foil: Look into overseas production of foil for use in car batteries

#### **Compressor wheel**

- Maximize production at existing base (FSV), look into alliances
  - Aim to gain No. 1 global share exceeding 50%

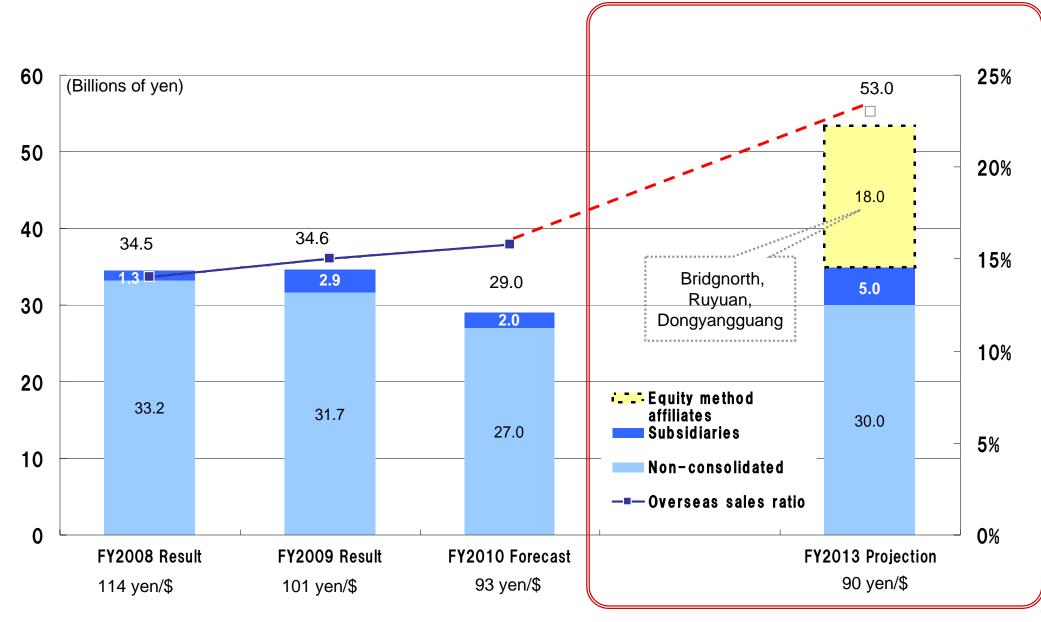






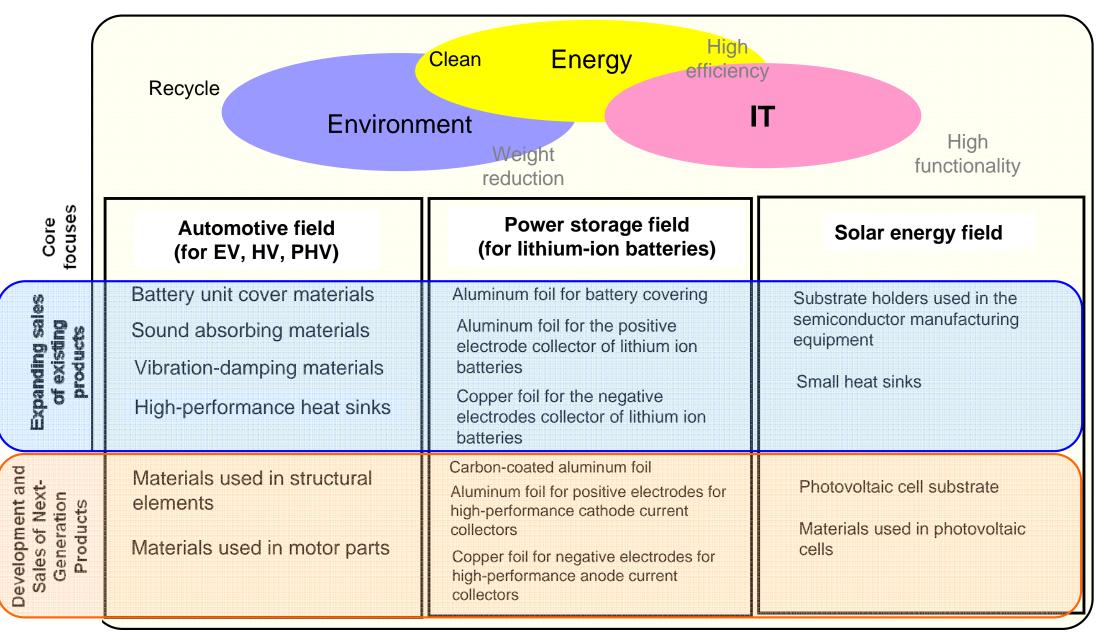
**Overseas Sales Ratio** 

Net overseas sales 2013 target ¥53 billion (using equity method)

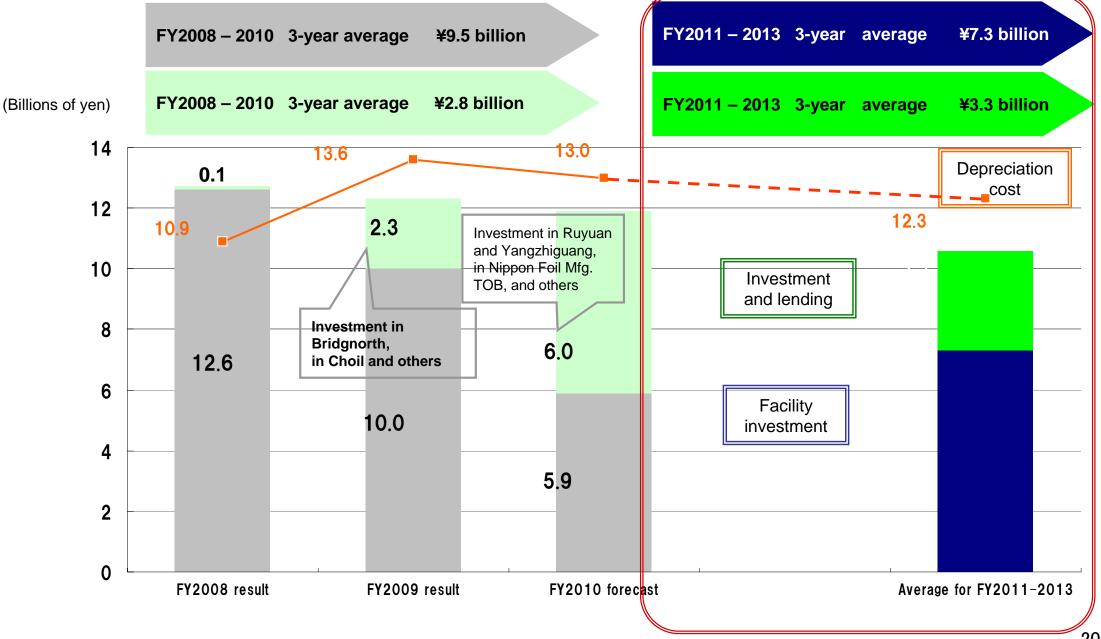


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## **New Product Development Strategy**

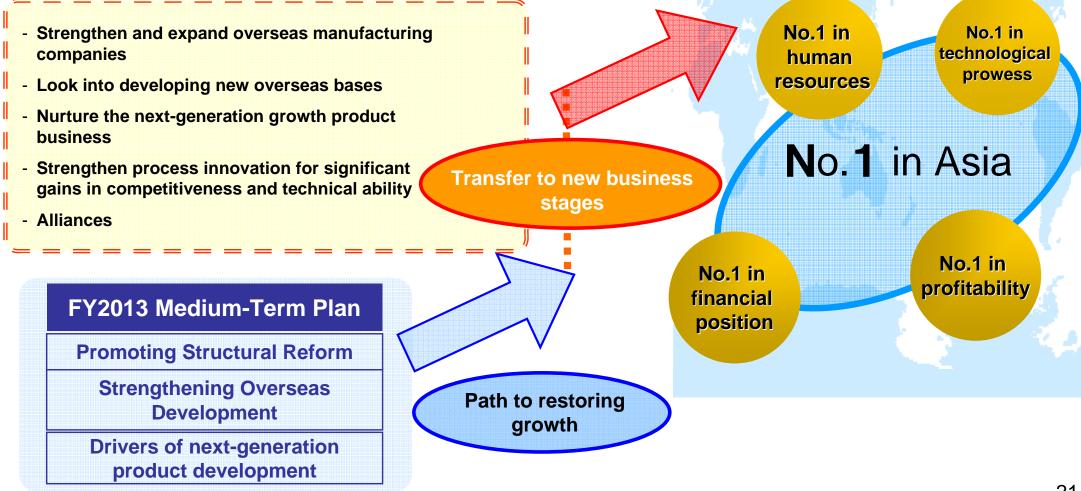


### **Facility Investment / Investment and Lending Plan**



# **Our Ideal Future**

### Becoming an attractive company that ranks No. 1 in Asia



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#### Forward-looking statements

Other than historical or current factual information concerning plans for sales, profits, etc. listed in this document, all forward-looking statements concerning factors which may affect performance, including those pertaining to industry trends related to the Group's businesses, as well as economic conditions, exchange rates and other factors, shall be presumed to be based on the Company's hypotheses and judgments formed in light of currently available information.

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