# **Briefing Session on Financial Results for the Fiscal Year Ended March 31, 2011**

A technology and intelligence oriented company that turns wisdom into business

Nagase & Co., Ltd. May 20, 2011

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- Financial Highlights for the Fiscal Year Ended March 31, 2011
- Forecast for the Fiscal Year Ending March 31, 2012 and Progress of Medium-Term Management Plan "CHANGE" 11
- CAPTEX Co., Ltd.'s Business Activities (Initiatives in power-storage devices)



Financial Highlights for the Fiscal Year Ended March 31, 2011

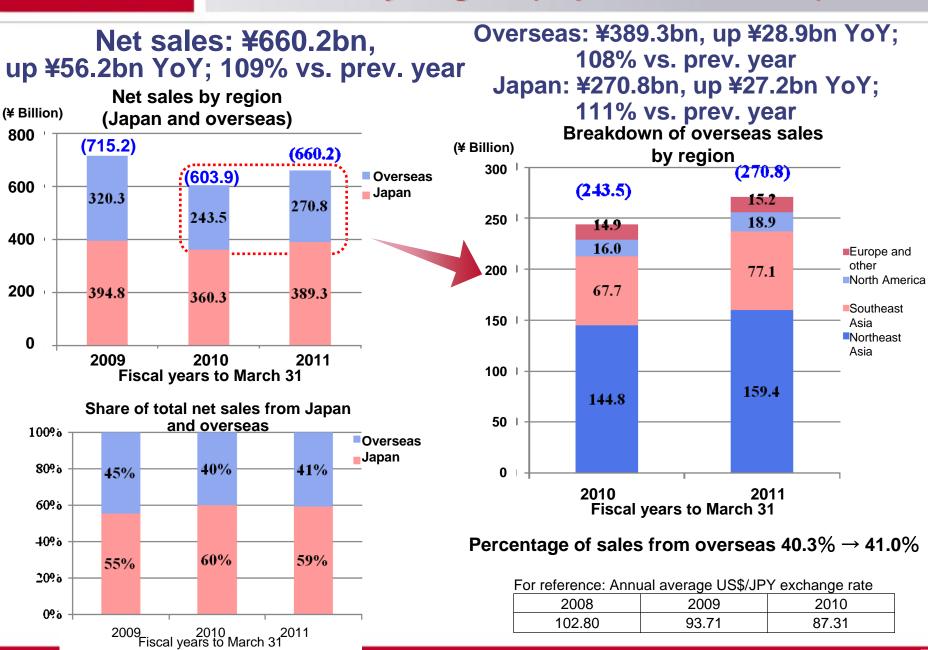
### **Overview of Consolidated Financial Results**

Net sales up 9% year on year on strong results both in Japan and overseas amid global increases in demand.
High-value-added products sold well, translating into wider profit margins

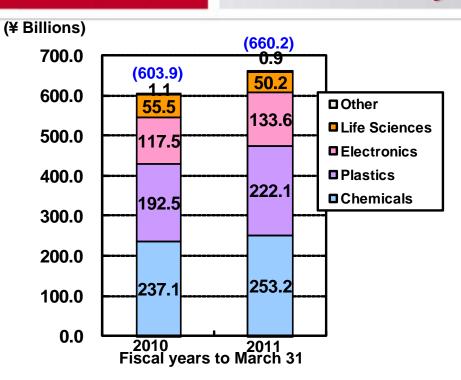
and 43% growth in operating income (¥ Billion, except Earnings per share)

	FY ended Mar. 2010	FY ended Mar. 2011	Increase (Decrease)	YoY compariso
Net sales	603.9	660.2	+56.2	109%
Gross profit (Profit margin)	65.4 (10.8%)	73.0 (11.1%)	+7.5 (+0.3%)	112%
SG&A expenses	-52.2	-54.2	-1.9	104%
Operating income	13.1	18.7	+5.6	143%
Ordinary income	14.7	20.6	+5.9	140%
Net income	7.5	12.8	+5.2	170%
Earnings per share	58.64	99.76	41.12	170%

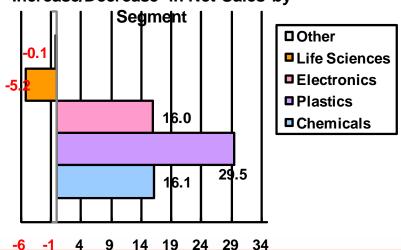
## **Net Sales by Region (Japan & Overseas)**



# **Net Sales by Business Segment**



#### Increase/Decrease in Net Sales by



#### Chemicals ¥253.2bn (+¥16.1bn YoY; 107%)

- ODemand remained firm across the entire chemicals industry
- ■Growth in sales of printing ink raw materials, display-related functional color pigments, and conducting polymers
- ■Increase in overseas sales of resin raw materials and additives, and of urethane raw materials and coating materials for automotive applications
- ■Growth in sales of Nagase ChemteX products, primarily for LCD-related applications

#### Plastics ¥222.1bn (+¥29.5bn YoY; 115%)

- ONet sales increase in all domestic and overseas regions
- Strong sales of plastics for office equipment and consumer electronics in Northeast and Southeast Asia.
- Strong sales of plastics for automotive applications in all domestic and overseas regions

#### **Electronics ¥133.6bn (+¥16.0bn YoY, 114%)**

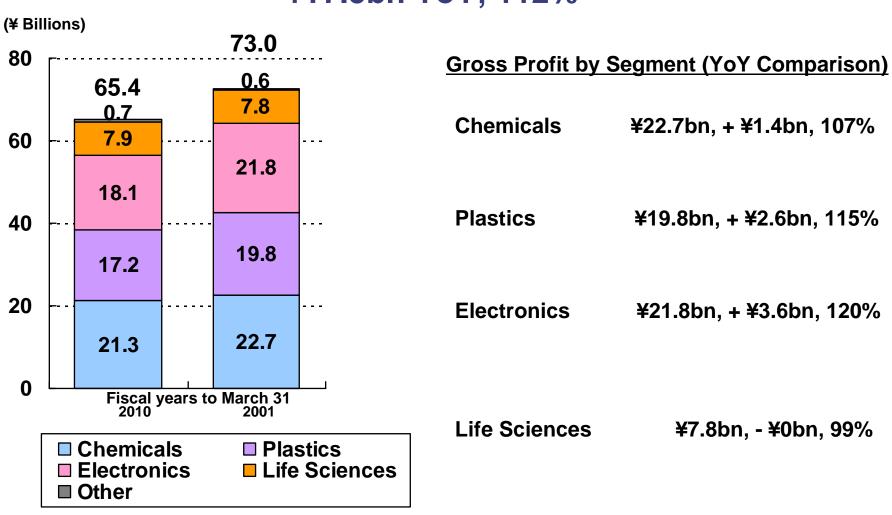
- ©Strong sales on the back of increased demand for LCDs, semiconductors, touch panels, and smartphones
- ■Strong sales of formulated epoxy resins for heavy electric and mobile phone applications; growth in sales of chemicals used in LCD production
- ■Sales of precision-related materials were flat YoY; sales of touch panel-related materials grew; growth in business related to making LCDs thinner

#### Life Sciences ¥50.2bn (- ¥5.2bn YoY; 90%)

- Decrease in sales of pharmaceutical raw materials and intermediaterelated sales
- Slight increase in enzymes and fermentation products
- ■Slight decrease in cosmetics-related sales

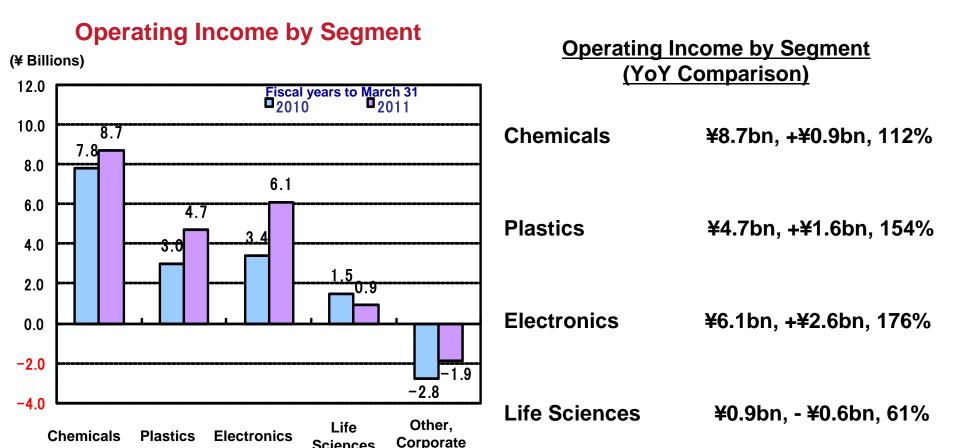
## **Gross Profit by Business Segment**

## Gross Profit: ¥73.0bn, +¥7.5bn YoY; 112%



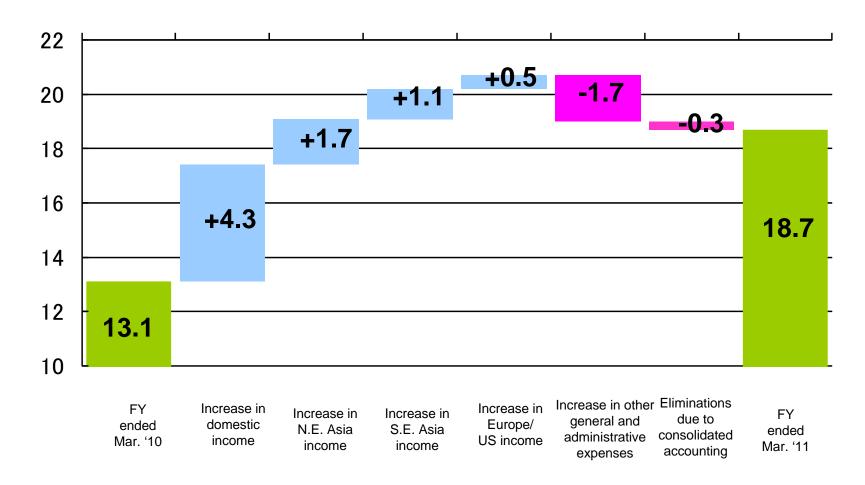
# **Operating Income by Segment**

## **Operating Income: ¥18.7bn;** +¥5.6bn YoY, 143%



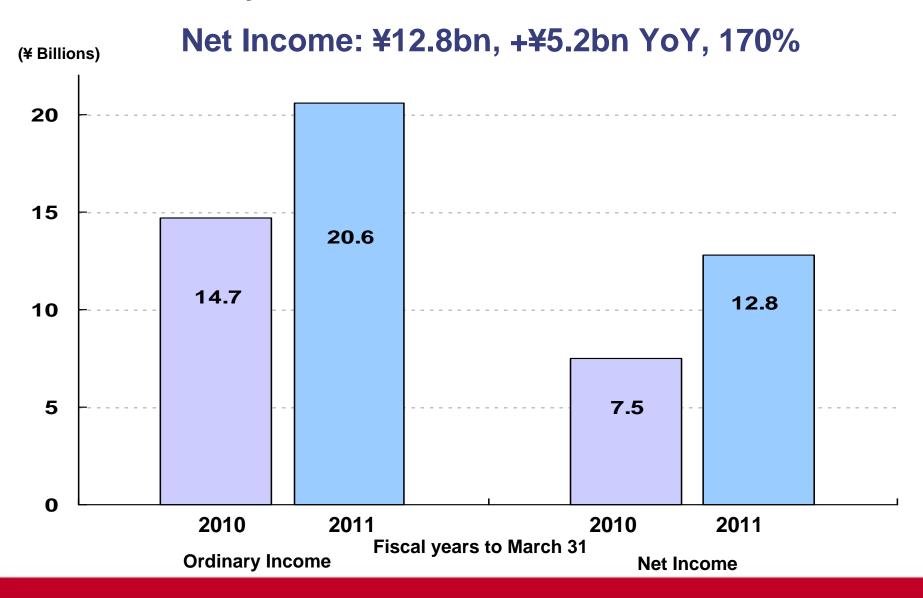
Sciences

#### (¥ Billions)



## **Ordinary Income and Net Income**

Ordinary Income: ¥20.6bn, +¥5.9bn YoY, 140%



## **Major Balance Sheet Changes**

- Inventories up due to increase in sales
- Deposits up due to increase in liquidity on-hand
- Increase in short-term loans due to increase in working capital

(¥ Billions)

Assets	Mar. 31, '10	Mar. 31, '11	Change	Liabilities and Net Assets	Mar. 31, '10	Mar. 31, '11	Change
Cash and time deposits	42.8	47.2	+ 4.3	+ 4.3 Notes and accounts payable		101.6	- 6.9
Notes and accounts receivable	186.9	186.1	- 0.8	Short-term loans	10.4	16.1	+ 5.7
Inventories	31.0	36.7	+ 5.6	Other current liabilities	18.0	20.6	+ 2.6
Other current assets	6.9	7.2	+ 0.3	Long-term debt	11.1	10.5	-0.5
Property, plant and equipment	40.3	39.9	- 0.4	Accrued retirement benefits for employees	6.8	7.2	+ 0.4
Intangible fixed assets	2.5	3.6	+ 1.1	Other fixed liabilities	10.3	9.6	- 0.6
Investments in securities	53.6	50.7	- 2.9	Shareholders' equity	185.5	195.9	+ 10.3
Other fixed assets	3.7	3.7	-0.0	[Treasury stock included in above]	[-5.4]	[-5.4]	[- 0.0]
				Gain on valuation of securities	14.9	13.1	- 1.7
				Foreign currency translation	-5.2	-7.6	-2.3
				Stock acquisition rights	-0.2	0.2	-
				Minority interests	7.1	7.5	+ 0.3
				Net assets	202.7	209.3	+ 6.5
				[Net worth ratio]	[53.1%]	[53.7%]	[+ 0.6]
Total assets	368.0	375.3	+ 7.2	Total liabilities and net assets	368.0	375.3	+ 7.2

### **Cash Flows**

While working capital increased due amid recovery sales, operating activities generated positive cash flow of ¥10.9bn, largely from pretax income of ¥20.9bn Investing activities used net cash of ¥9.1bn, mainly to acquire tangible and intangible fixed assets and investment securities

(¥ Billions)

	FY ended Mar. 31, '11	Major components	FY ended Mar. 31, '10	
Cash flows from operating activities	+10.9	Income before income taxes Depreciation and amortization Working capital Taxes paid	20.9 6.3 13.0 -5.0	+27.8
Cash flows from investment activities	-9.1	Purchases of property and equipment Purchases of investment securities Sales of investment securities Purchases of intangible fixed assets	5.7 1.5 2.0 -1.8	-9.4
Cash flows from financing activities	+3.5	Increase in short-term debt Cash dividends paid	6.1 -2.3	-11.7
Increase in cash and cash equivalents	+4.1	Exchange rate movements	-1.2	+6.6
Cash and cash equivalents at the end of the period	47.2			42.8

## **Performance of Major Consolidated Subsidiaries**

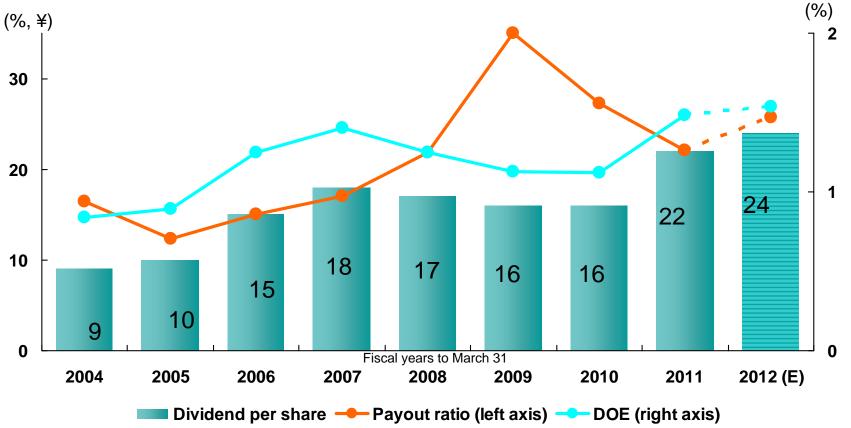
(¥ Millions)

	Company Name	Net Sales	YoY Comparison	Operating Income	YoY Comparison	Net Income	YoY Comparison
Parent Company	Nagase & Co., Ltd.	456,877	110%	5,354	184%	7,637	157%
	Nagase ChemteX Corp.	30,864	118%	3,820	119%	2,291	129%
Manu- facturing	Totaku Industries, Inc.	7,536	105%	429	109%	415	149%
	Total for manufacturing	68,515	113%	5,433	117%	3,762	136%
	Nagase Plastics Co., Ltd.	28,221	183%	191	169%	92	178%
Domestic	Nagase Colors & Chemicals Co., Ltd.	14,955	115%	248	177%	150	180%
sales	Nagase Chemical Co., Ltd.	13,902	107%	224	119%	124	124%
	Total for domestic sales	95,144	124%	1,299	174%	838	210%
	Nagase (Hong Kong) Ltd.	53,216	93%	1,190	98%	977	100%
Overseas	Nagase (Thailand) Co., Ltd.	24,468	119%	1,052	162%	759	160%
sales	Guangzhou Nagase Trading Ltd.	15,155	120%	421	206%	173	181%
	Total for overseas sales	231,783	112%	6,043	143%	4,390	135%

<sup>\*</sup>Category totals are the simple sum of figures for each company and do not match consolidated figures.

## **Dividends**

Nagase's basic policy is to enhance its earnings capabilities and further strengthen its corporate structure while continually paying steady dividends linked to trends in consolidated performance. Taking into consideration its payout ratio and DOE (dividends on equity) ratio, Nagase aims to increase dividend per share.



\*A ¥1 commemorative dividend is included in FY ended Mar. 2004, and a ¥2 commemorative dividend in FY ended Mar. 2007.

	2004	2005	2006	2007	2008	2009	2010	2011	2012 (E)
Payout ratio	16.3	12.3	14.9	17.0	21.8	35.4	27.3	22.1	25.7
DOE	0.84	0.89	1.25	1.40	1.25	1.13	1.12	1.48	1.54

# Performance Forecast for the Fiscal Year Ending March 31, 2012

# Performance Forecast for the Fiscal Year Ending March 31, 2012

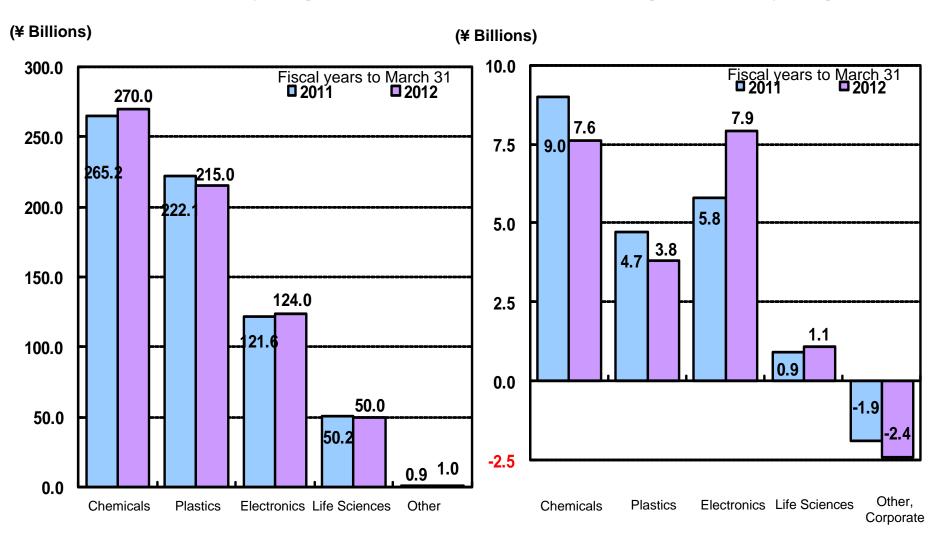
(¥ Billions, except Earnings per share)

	1H	YoY	2H	YoY	Full year	Change	YoY
Net sales	315.0	95%	345.0	105%	660.0	-0.2	100%
Gross profit	35.2 (11.2%)	95%	38.3 (11.1%)	106%	73.5 (11.1%)	+0.4 (+0.0%)	101%
SG&A expenses	-27.5	104%	-28.0	101%	-55.5	-1.2	102%
Operating income	7.7	73%	10.3	126%	18.0	-0.7	96%
Ordinary income	8.5	75%	10.5	113%	19.0	-1.6	92%
Net income	5.4	79%	6.6	110%	12.0	-0.8	94%
Earnings per share	42.02		51.35		93.37	-6.39	94%

<sup>\*</sup>Assumed exchange rate: US\$ = ¥83

#### **Net Sales by Segment**

#### **Operating Income by Segment**



Progress of Medium-Term Management Plan "CHANGE" 11

### Future Vision under "CHANGE" 11

### Management philosophy

The Nagase Group is a member of world society. As such, it is our duty to maintain good and fair business practices and, through continued growth and development, provide society with the goods and services it needs while improving the welfare of our employees.

#### Our vision for the future

#### Customers

Anticipate changes in market structure and the environment, and make progress with customers by proposing original solutions

#### **Shareholders and investors**

Continue to grow and raise value with technology as the foundation in businesses in which we are strong

#### **Employees**

Allow employees to realize their dreams and ideals through our businesses

#### Society at large

Contribute to society and the global environment

## Basic Strategy of "CHANGE" 11

Corporate ethics
Environmental and
resource issues

Major external changes **Basic strategy** 

Improve quality of business and operations

Awareness of the need to change

Sales growth at manufacturing companies

increasing overseas headcount

Rising overseas

Changes within the group

Basic Principle:

Maintain Good and Fair Business Practices

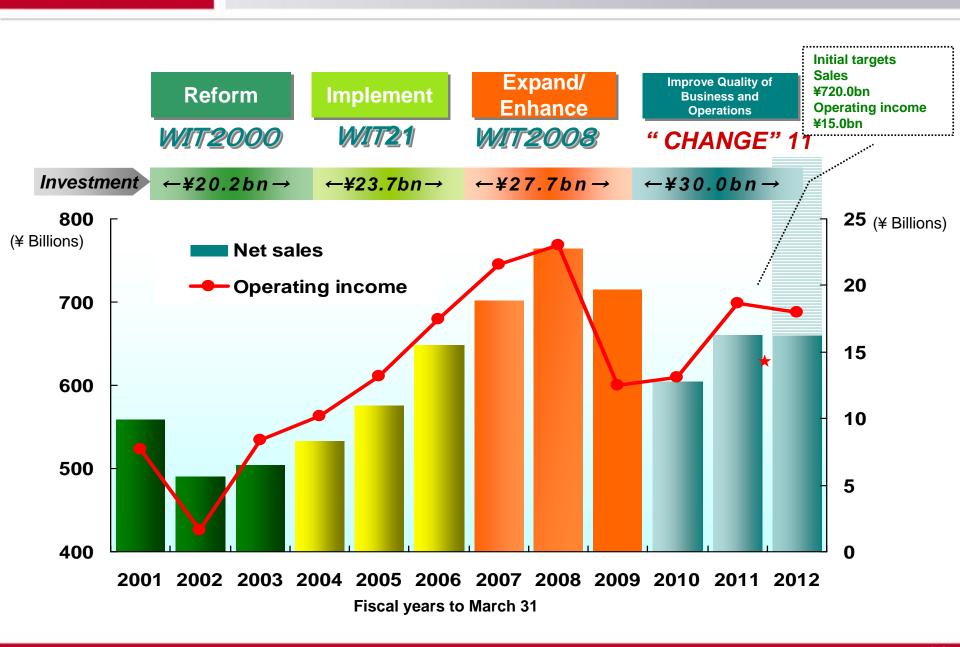
### Initiatives under "CHANGE" 11

- 1 Select and concentrate on key businesses
- Build businesses around environment- and energy-related technologies
- 3 Strengthen R&D and manufacturing functions
- 4 Promote globalization
- 5 Strengthen risk management
- 6 Promote employee diversity and work-life balance

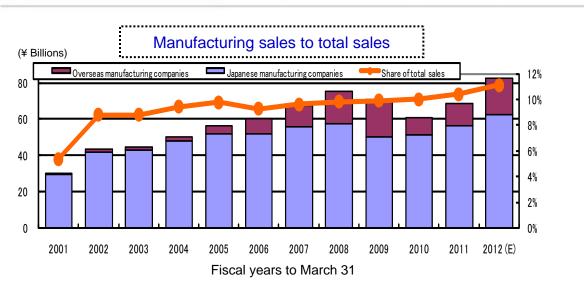
# Progress of Initiatives under "CHANGE" 11

- 1 Select and concentrate on key businesses
- Acquired color formers (special pigments used in thermosensitive paper) business, and made related companies in the US and Japan subsidiaries
- Established US joint-venture company in Indiana to manufacture and sell blow-molded resin parts and products for automotive interiors
  - 2 Build businesses around environment- and energy-related technologies
- Decided to build a new CAPTEX plant for mass production of lithium-ion battery modules
- Established new Energy Device Office
- ●Invested in and entered into an alliance with Grid Co., Ltd., a solar power generation system integrator
  - 3 Strengthen R&D and manufacturing functions
- Established a joint venture to operate as a contract-manufacturer of high-performance resins and intermediates in Changzhou, China (Jinangsu Province)
  - Decided to build new production building at Nagase ChemteX
  - 4 Promote globalization
- Established a subsidiary in Mexico
- Established a manufacturer of flame laminated materials for automotive applications in Mexico
  - 5 Strengthen risk management
- Petrochemical risk analysis and customer proposals
- Completed implementation of safe export controls at overseas subsidiaries to comply with foreign laws related to chemicals
  - 6 Promote employee diversity and work-life balance
- Obtained "Kurumin" certification as a childcare-friendly company

### Numerical Goals under "CHANGE" 11 (1)



## Numerical Goals under "CHANGE" 11 (2)





¥30.0bn

New
investment
primarily in
environment
and energy
¥20.0 billion
Renewal of

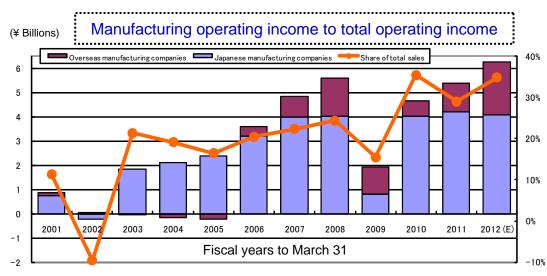
Renewal of existing equipment ¥10.0 billion

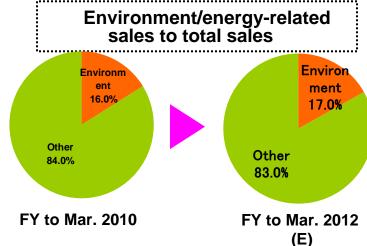
 $\sim$ 432.0bn

FY to Mar. 2012 Projection ¥11.3bn

FY to Mar. 2011 Actual ¥9.7bn

FY to Mar. 2010 Actual ¥10.7bn





# CAPTEX Co., Ltd.'s Business Activities (Initiatives in power-storage devices)

Kenji Asakura

Executive Officer;
GM, Automotive Solutions Department; and
President CAPTEX Co., Ltd.

## Overview of CAPTEX Co., Ltd. CAPTEX

A key initiative under the Nagase Group's "CHANGE" 11 medium-term management plan is to "Build businesses around environment- and energy-related technologies".

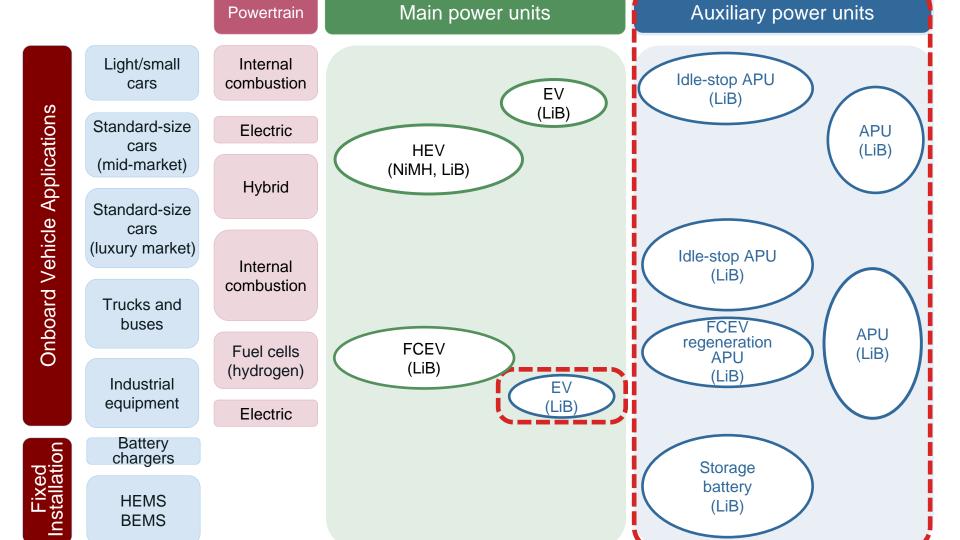
To create and expand new business in the area of environmentally friendly vehicles, such as electric cars, Nagase's Automotive Solutions Department is developing lithium-ion battery modules and systems at CAPTEX, a Nagase Group company.

#### CAPTEX Co., Ltd.

•Establishment date	July 2004				
•Capital	¥496 million (100% owned by Nagase & Co., Ltd.)				
•Business lines	Manufacture and development of battery and power unit controls; manufacture and development of batteries and power units and peripheral devices				
History	power units and penpheral devices				
2004 Obtained license	e for electric double-layer capacitors				
2005 Developed lithiu	n-ion battery module for initial hybrid car prototype				
2006 Developed lithiu	n-ion battery module for 2 <sup>nd</sup> hybrid car prototype				
2007 Developed capa	itor module for industrial equipment prototype				
2008 Participated in Kyoto University Venture Business Laboratory's Kyoto-Car project					
2009 Became wholly owned subsidiary of Nagase & Co., Ltd.  Began joint research with Kyoto University					
2011 Decided to build in 2012)	mass-production plant (slated to go into operation				

# **Secondary-Cell Batteries: Needs and Target Markets**

### CAPTEX



HEMS: Home Energy Management Systems BEMS: Building Energy Management Systems

**EV**: Electric Vehicle

HEV: Hybrid Electric Vehicle FCEV: Fuel Cell Electric Vehicle

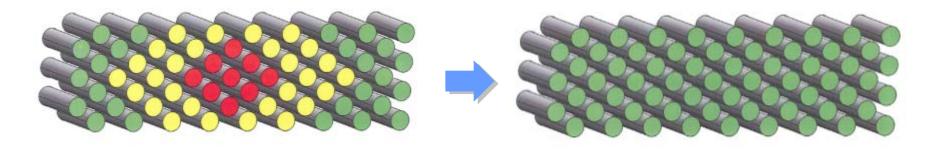
LiB: Lithium-Ion Battery

# Our Technological Advantages CAPTEX

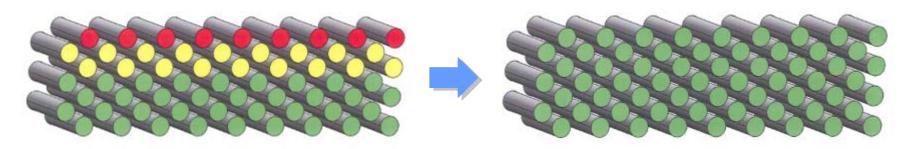
# Excellent safety and long life enabled by thermal dispersion and voltage equalization technology not possible with conventional systems

(Battery control technology)

- (1) Thermal dispersion (thermoregulation) (2) Voltage equalization
  - → Excellent safety and long life
- (1) Thermal dispersion (thermoregulation)



(2) Voltage equalization



# One-stop service encompassing planning, specification development, and validation processes

Battery system overview \*System team's requirements

Capacity

Voltage

(Component technologies) (1)Battery pack

design (2)Heat

(3)Vibration

(4)Noise

(5)Large current

(6)Charge/

discharge control

(7)Remaining capacity monitoring

(8)CAN communic tions

(9)Remote monitoring (10)Bank control

(11)Cascading

(Validation testing)

#### **Proposal**

Capacity

#### Specification development

Sample production (design, casing/housing, battery/power unit, charge/discharge control, device communications)

Evaluation (charge/ discharge test, heat, vibration)

Validation \*Validation performed collaboratively

Bench Monitor



### One-stop service



Rapid establishment of mass production; Quality requirements met

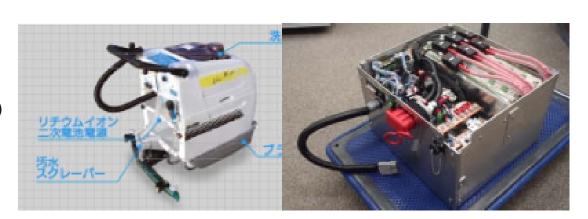
	Development project	Specification	Start of mass production	Planned no. of units (no. of modules)
1	Portable power unit	DC12V/DC24V AC100V	Mid 2012	700pcs/yr
2	Auxiliary power unit for idle-stop technology	DC300V	End of 2012	24,000pcs/yr
3	Charger	DC300-360V	Start of 2013	15,000pcs/yr
4	BEMS/HEMS	DC300V	Start of 2013	15,000pcs/yr
		2 2000	117	

(Examples of modules)



	Development project	Specification	Start of mass production	Planned no. of units (no. of modules)
1	Power unit for industrial equipment	DC24V	End of 2012	1,000pcs/yr
2	Power unit for industrial equipment	DC48V	Start of 2013	1,500pcs/yr
3	Storage battery for parking lot	DC24V DC300-360V	Start of 2013	1,000pcs/yr

(Examples of modules)



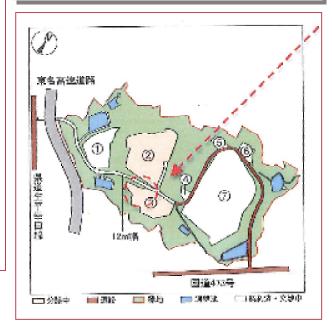
# **New Plant Construction Plans** CAPTEX



2013 net sales target: around ¥1.5bn

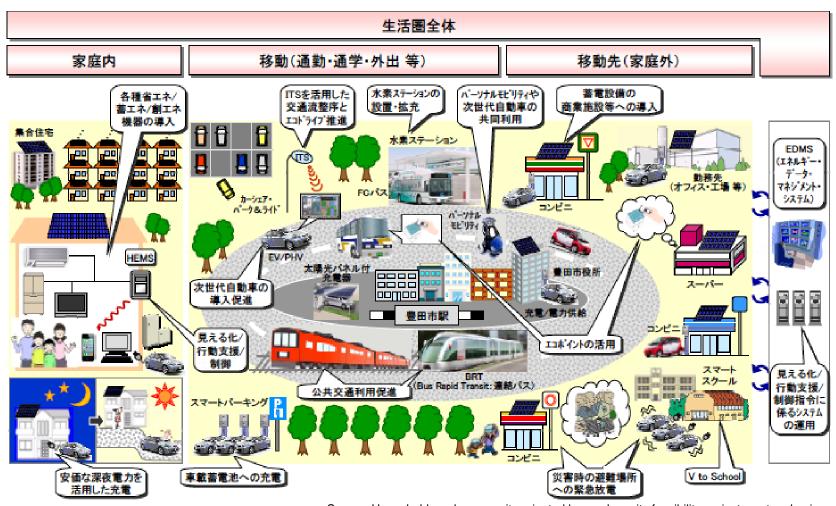
#### Overview of new plant

Location Okazaki, Aichi Prefecture
Site area ~23,000m²
Gross floor area ~5,000m² (2 floors)
Construction start June 2011
Scheduled completion March 2012
Total investment ¥2.0bn



# **Conceptual Image of New Plant CAPTEX**





Source: Household- and community-oriented low-carbon city feasibility project master plan in Toyota-shi, Aichi Prefecture

Contributing to society by providing power-storage devices for a low-carbon society

Cells: Cylindrical 18650 cell + Pouch cell; Highly efficient control + cascading

# A technology and intelligence oriented company that turns wisdom into business

Nagase & Co., Ltd. http://www.nagase.co.jp

This presentation contains projections based on assumptions, forecasts, and plans for the future as of May 20, 2011. Actual results may differ from projections due to risks and uncertainties associated with the global economy, competition, and exchange rate fluctuations and other risks and uncertainties.