

Mega Solar Power Plant 1.5MW, Innoshima works Hiroshima

Financial Results

For the six months ended September 30, 2013



Hitachi Zosen Corporation

November 1, 2013
President & COO Takashi Tanisho

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 for the six months ended September 30, 2013
- 2. Forecast of FY2013
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Key Points of the First Half of FY2013 Results



- Booked operating loss in the 1st half due to the decrease in sales of profitable projects
- FY2013 P/L forecast remains unchanged reflecting:
 - Increase of profit in AOM business of Environmental systems & industrial plants segment is expected
 - Business reform effort in Infrastructure segment
 - Fixed cost absorption via increase of Net sales

(*)AOM: After service, Operation, Maintenance



1. OVERVIEW OF FINANCIAL RESULTS FOR THE SIX MONTHS ENDED SEPTEMBER 30, 2013

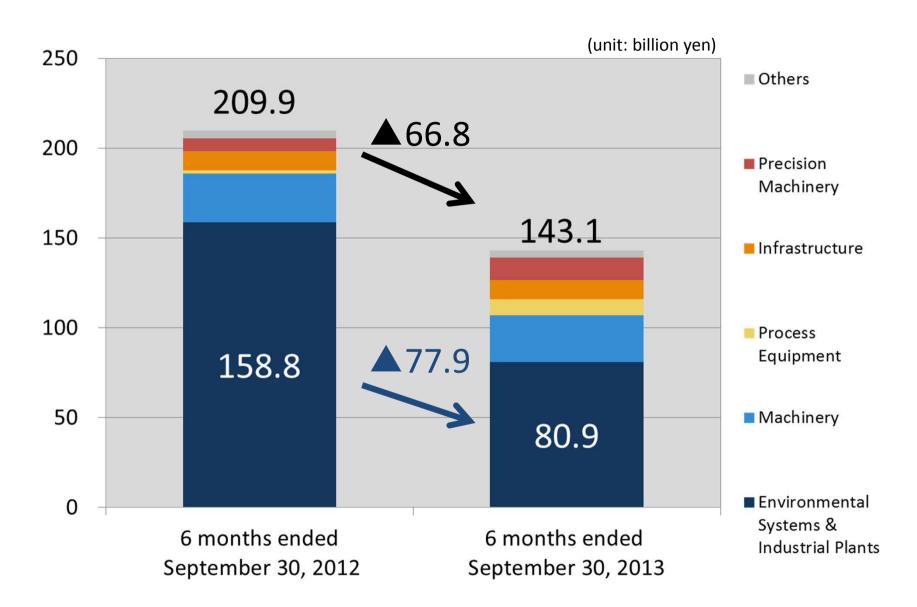
The First Half of FY2013 / Overview



	6 months ended September 30, 2012	6 months ended September 30, 2013	Difference		
Order intake	209.9	143.1	▲ 66.8		
Net sales	133.2	128.1	▲ 5.1		
Operating income	1.8	▲3.7	▲ 5.5		
(ratio)	1.4%	▲2.9%	▲ 4.3%		
Non-operating P&L	0.2	▲0.1	▲0.3		
Ordinary income	2.0	▲3.8	▲ 5.8		
(ratio)	1.5%	▲3.0%	▲ 4.5%		
Extraordinary P&L	▲0.8		0.8		
Income tax & minority interests	▲0.4	▲0.2	0.2		
Net income	0.8	▲ 4.0	▲ 4.8		
(ratio)	0.6%	▲3.2%	▲3.8%		

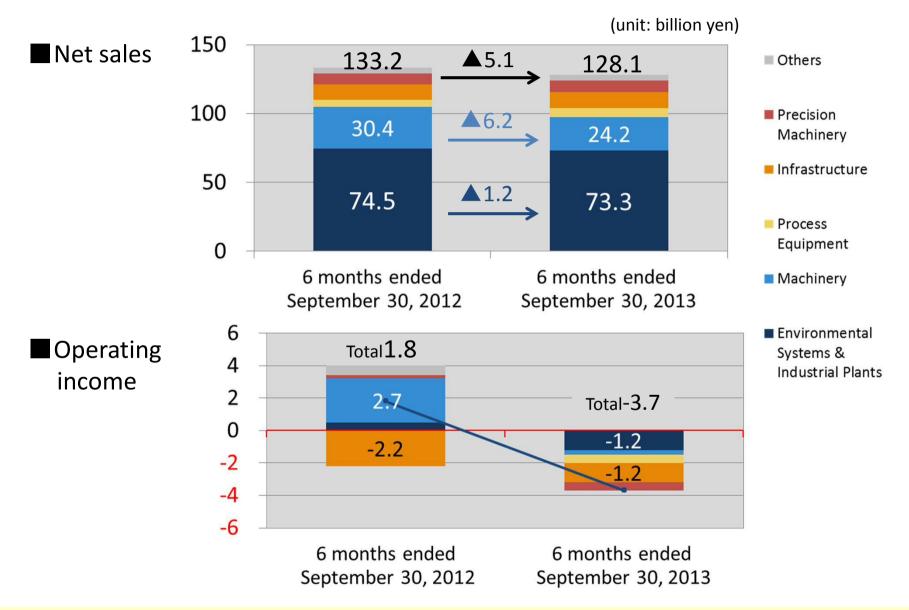
The First Half of FY2013 / Order intake





The First Half of FY2013 / Net sales & Operating income





The First Half of FY2013 / by segment



							<u> </u>	, ,
		Environ- mental Systems & Industrial Plants	Machinery	Process Equipment	Infra- structure	Precision Machinery	Others	Total
6 months	Order intake	80.9	26.1	9.0	10.5	12.6	4.0	143.1
ended September	Net sales	73.3	24.2	6.2	12.0	8.2	4.2	128.1
30, 2013	Operating income	▲1.2	▲0.3	▲0.5	▲ 1.2	▲0.5	0.0	▲ 3.7
6 months	Order intake	158.8	27.1	1.9	10.4	7.4	4.3	209.9
ended September	Net sales	74.5	30.4	5.0	11.2	7.8	4.3	133.2
30, 2012	Operating income	0.5	2.7	0.0	▲2.2	0.2	0.6	1.8
	Order intake	▲ 77.9	1 .0	7.1	0.1	5.2	▲0.3	▲ 66.8
Difference	Net sales	▲1.2	▲ 6.2	1.2	0.8	0.4	▲0.1	▲ 5.1
	Operating income	▲1.7	▲ 3.0	▲0.5	1.0	▲0.7	▲0.6	▲ 5.5

The First Half of FY2013 / Increase & Decrease of Operating P&L



	Operating P&L for 6 months ended September 30, 2012		1.8
Breakdown	Decrease of Net sales (-5.1) Decrease of profitable projects in Environmental Systems & Industrial Plants Decline of profit margin in Machinery Decline of profit margin in Precision Machinery Cost reduction	▲0.8 ▲2.1 ▲2.4 ▲0.7 0.5	▲ 5.5
	Operating P&L for 6 months ended September 30, 2013		▲3.7

The First Half of FY2013 / Non-operating P&L, Extraordinary P&L



		6 months ended September 30, 2012	6 months ended September 30, 2013	Difference
Interest expe	nses	▲0.6	▲0.5	0.1
Dividend inco	ome	0.1	0.1	0.0
Equity in net income of affiliates		0.9	▲0.8	▲ 1.7
Other Non-o	perating income	▲0.2	1.1	1.3
Non-	operating P&L	0.2	▲0.1	▲0.3
Extraordinary Loss	Contribution for withdrawal from employees' pension fund	▲0.8	_	0.8
Extra	ordinary P&L	▲0.8	_	0.8

The First Half of FY2013 / Cash flows & Interest bearing debt HitZ



(unit: billion yen)

Cash flows	6 months ended September 30, 2012	6 months ended September 30, 2013	Difference
Cash flows from operating activities	8.1	▲ 4.1	▲ 12.2
Cash flows from investing activities	▲ 3.4	1 .8	1.6
Cash flows from financing activities	▲ 19.4	▲ 6.0	13.4
Net increase in cash & cash equivalents	(*1) 14. 6	(*1) 11. 0	3.6
Cash & cash equivalents at beginning	66.6	56.4	▲ 10.2
Cash & cash equivalents at end	(*2) 52.1	(*2) 45.4	▲ 6.7

^(*1) including effect of exchange rate (1st half 2012: +0.1, 1st half 2013: +0.9)

Interest bearing debt	March 2013	September 2013	Difference
Bank borrowing (incl. Lease liabilities)	92.6	88.8	▲3.8
Bond issues	10.0	10.0	0.0
Total	102.6	98.8	▲3.8

^(*2) including other increase and decrease



2. FORECAST OF FY2013

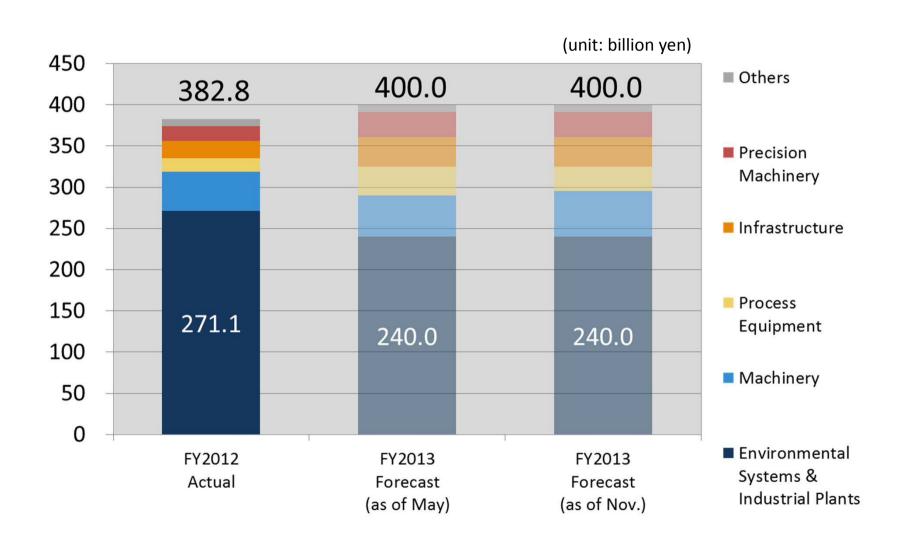
FY2013 Forecast / Overview



	FY2012	FY2013	Forecast	Difference
	Actual (A)	as of May	as of Nov. (B)	(B-A)
Order intake	382.8	400.0	400.0	17.2
Net sales	296.7	320.0	320.0	23.3
Operating income	11.3	13.0	13.0	1.7
(ratio)	3.8%	4.1%	4.1%	0.3%
Ordinary income	11.2	10.0	10.0	▲ 1.2
(ratio)	3.8%	3.1%	3.1%	▲0.7%
Net income	7.4	7.5	7.5	0.1
(ratio)	2.5%	2.3%	2.3%	▲0.2%

FY2013 Forecast / Oder intake

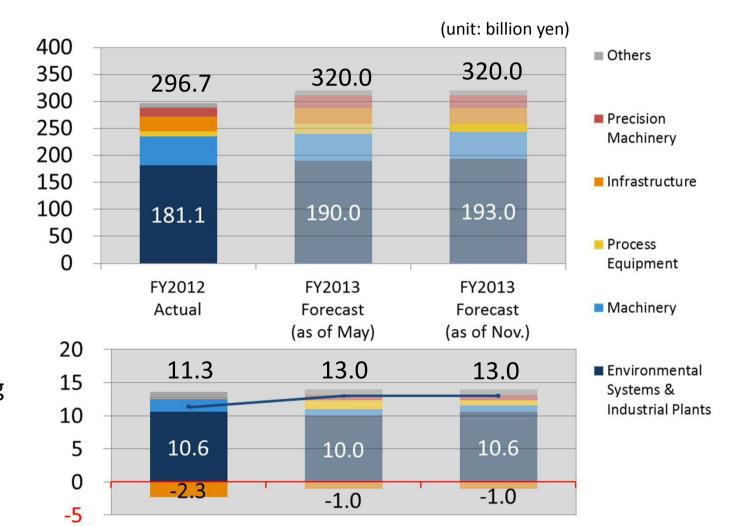




FY2013 Forecast / Net sales & Operating income







Operating income

(as of May) (as of Nov.)

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FY2013

Forecast

FY2013

Forecast

FY2012

Actual

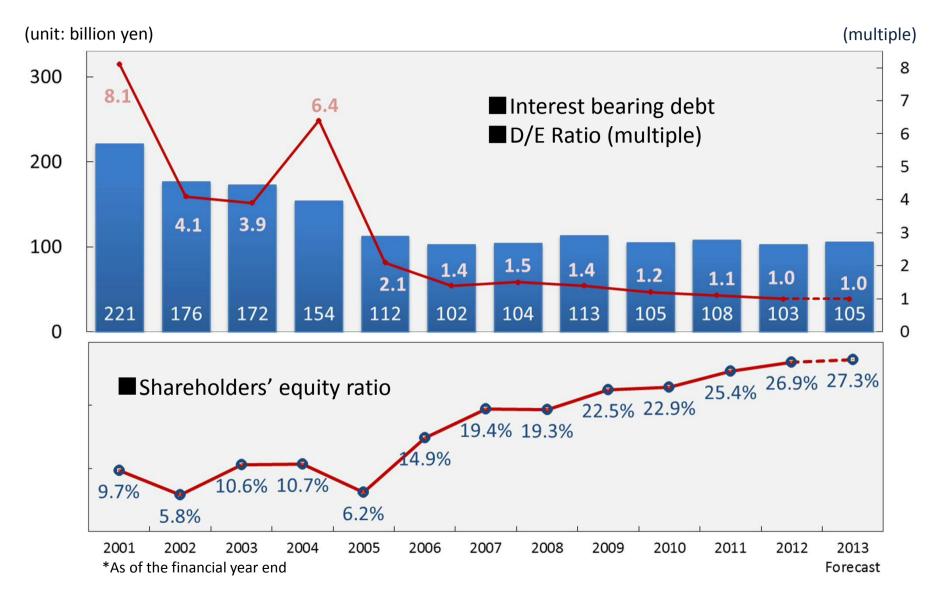
FY2013 Forecast / by segment



								(dilit.)	onnon yen)
			Environ- mental Systems & Industrial Plants	Machinery	Process Equipment	Infra- structure	Precision Machinery	Others	Total
		Order intake	240.0	55.0	30.0	36.0	30.0	9.0	400.0
	As of Nov.	Net sales	193.0	50.0	16.0	28.0	24.0	9.0	320.0
FY2013 Forecast		Operating income	10.6	1.0	0.7	▲ 1.0	0.8	0.9	13.0
		Order intake	240.0	50.0	35.0	36.0	30.0	9.0	400.0
	As of May	Net sales	190.0	50.0	19.0	28.0	24.0	9.0	320.0
		Operating income	10.0	1.0	1.3	▲ 1.0	0.8	0.9	13.0
		Order intake	271.1	47.5	16.3	20.9	18.3	8.7	382.8
FY2012 Actual		Net sales	181.1	53.7	10.1	26.5	16.7	8.6	296.7
		Operating income	10.6	1.9	0.1	▲ 2.3	0.1	0.9	11.3

FY2013 Forecast / Interest bearing debt





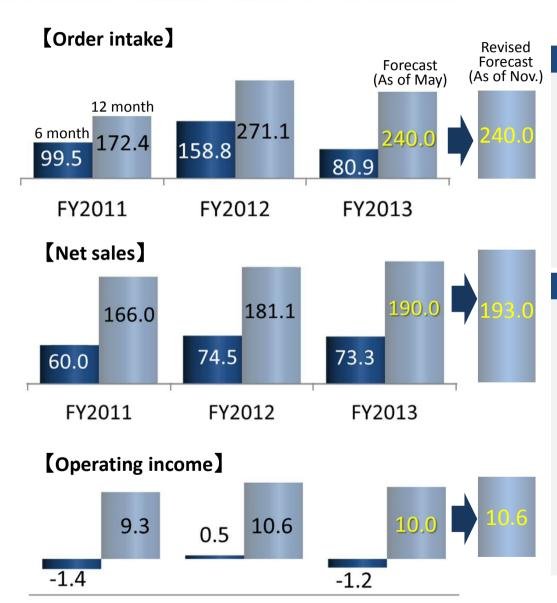


3. DETAILS BY SEGMENT

Environmental Systems & Industrial Plants







Order intake

FY2013 Semi Annual Result -April to Sept. 2013

- •Yen 80.9 (- Yen 77.9 YoY)
- Decrease of EPC and Long-term operation of Energy from Waste Plant (EfW)
- Projects concentrated in 2nd half

FY2013 Annual Forecast -as of November

- Yen 240.0 (unchanged from May Forecast)
- 3 large orders confirmed as of October 31 (included 1 unofficial notification)

Net sales/Operating income

FY2013 Semi Annual Result -April to Sept. 2013

- <Net sales>
- •Yen 73.3 (- Yen 1.2 YoY)
- <Operating income>
- •-Yen 1.2 (- Yen 1.7 YoY)
- Decrease of profitable projects

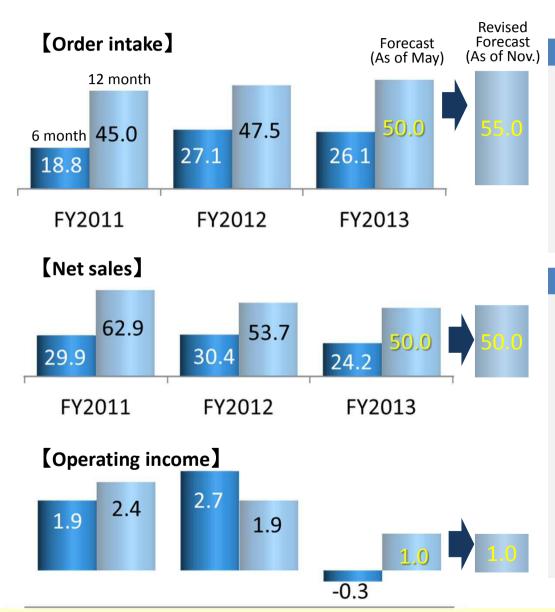
FY2013 Annual Forecast –as of November

- <Net sales>
- Yen 193.0 (+ Yen 3.0 from May Forecast)
- Increase of AOM
- Sales progress as scheduled
- <Operating income>
- Yen 10.6 (+ Yen 0.6 from May Forecast)
- Increase of Net sales

EPC: Engineering, Procurement and Construction AOM: After-sales Service, Operation and Maintenance

Machinery





(unit: billion yen)

Order intake

FY2013 Semi Annual Result -April to Sept. 2013

•Yen 26.1 (- Yen 1.0 YoY)

FY2013 Annual Forecast –as of November

- Yen 55.0 (+ Yen 5.0 from May Forecast)
- •The market of Press machine for automobile industry continues to be brisk

Net sales/Operating income

FY2013 Semi Annual Result -April to Sept. 2013

<Net sales>

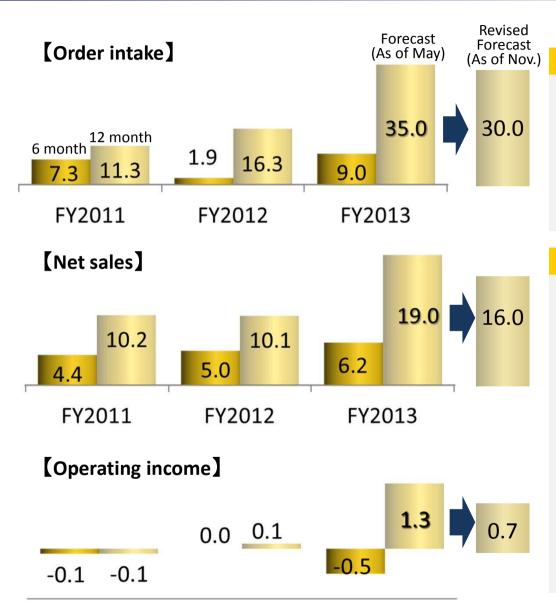
- •Yen 24.2 (- Yen 6.2 YoY)
- Decrease of Marine diesel engines
- <Operating income>
 - --Yen 0.3 (- Yen 3.0 YoY)
 - Decrease of Net sales and profitability of Marine diesel engines

FY2013 Annual Forecast –as of November

- •Net sales Yen 50.0
- •Operating income Yen 1.0
- Unchanged from May Forecast

Process Equipment





(unit: billion yen)

Order intake

FY2013 Semi Annual Result -April to Sept. 2013

- •Yen 9.0 (+ Yen 7.1 YoY)
- Increase of Reactor
- Addition of NAC International

FY2013 Annual Forecast -as of November

- Yen 30.0 (- Yen 5.0 from May Forecast)
- •Delay in order intake of large GTL Reactor

Net sales/Operating income

FY2013 Semi Annual Result -April to Sept. 2013

<Net sales>

- •Yen 6.2 (+ Yen 1.2 YoY)
- Increase of Reactor

<Operating income>

- --Yen 0.5 (- Yen 0.5 YoY)
- Amortization of NAC's goodwill

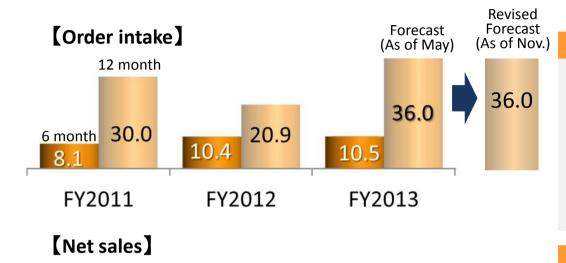
FY2013 Annual Forecast -as of November

<Net sales>

- Yen 16.0 (- Yen 3.0 from May Forecast)
- Delay in kick off of a large GTL Reactor project
- Delay in order intake of large GTL Reactor
- <Operating income>
- Yen 0.7 (- Yen 0.6 from May Forecast)
- Decrease of Net sales

Infrastructure







[Operating income]



(unit: billion yen)

Order intake

FY2013 Semi Annual Result -April to Sept. 2013

•Yen 10.5 (+ Yen 0.1 YoY)

FY2013 Annual Forecast -as of November

- Yen 36.0 (unchanged from May Forecast)
- Order of Hydraulic gates and Movable flap-gate type breakwater are expected in 2nd half

Net sales/Operating income

FY2013 Semi Annual Result -April to Sept. 2013

<Net sales>

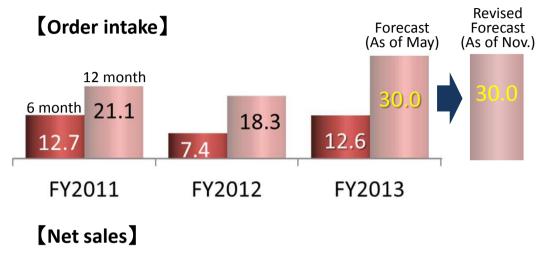
- •Yen 12.0 (+ Yen 0.8 YoY)
- Increase of Steel stacks and Hydraulic gates despite decrease of Shield tunneling machines
- <Operating income>
 - --Yen 1.2 (+ Yen 1.0 YoY)
 - Improvement of profitability in Shield tunneling machines
 - Increase of Net sales in Steel stacks and Hydraulic gates

FY2013 Annual Forecast –as of November

- Net sales Yen 28.0
- •Operating income -Yen 1.0
- Unchanged from May Forecast

Precision Machinery







(unit: billion yen)

Order intake

FY2013 Semi Annual Result -April to Sept. 2013

- •Yen 12.6 (+ Yen 5.2 YoY)
- Increase of food and drug filling and packaging systems and liquid crystal panel production systems

FY2013 Annual Forecast -as of November

Yen 30.0 (unchanged from May Forecast)

Net sales/Operating income

FY2013 Semi Annual Result -April to Sept. 2013

<Net sales>

- Yen 8.2 (+ Yen 0.4 YoY)
- <Operating income>
 - --Yen 0.5 (- Yen 0.7 YoY)
- Decline in profitability of projects

FY2013 Annual Forecast –as of November

- Net sales Yen 24.0
- Operating income Yen 0.8
- Unchanged from May Forecast

26.5 16.7 FY2011 FY2012 FY2013 **(Operating income)** 2.7 0.2 0.1 -0.5



4. PROGRESS OF MID TERM BUSINESS PLAN "HITZ VISION"

Key Measure for Mid Term Business Plan



	◆ Define Growth A	rea	Define Business Domain and Target Market		
	♦ Strengthen the Growth Area♦ Global Business		Newly established Global Business Promotion Division Expansion of overseas office		
Innovation of Business		◆ Proposal for Solution	Promotion of Customers' View Activities New R&D System		
	◆Improvement of Corporate Power for Earning from business		Well-balanced Business Portfolio		
	♦ No. 1 Profitability in each business segments		Planning of Business Strategy and Development by PDCA		
	◆ Organization		Operation of Flat Matrix Management		
Innovation	◆ Financial Position		Shareholders' equity ratio of 30% by FY 2013 Further improvement of credit rating		
of Mgmt. Control	◆ R&D to Future Business		New R&D Organization (Business & Product Development HQ) Joint Work with Business Planning Dept. and Business & Product Development HQ		
	◆ Transform Corporate Culture		Secure Aggressive, Growth Driven, Efficiency-driven culture Promote Proactive Staff		

Progress of Mid Term Business Plan



1. Green Energy

EfW Global Business Renewable Energy Project

2. Social Infrastructure and Disaster Prevention

Process Equipment – Expansion of Overseas manufacturing site

3. Development of Global Business

Establishment of local Subsidiary in Myanmar Rebranding and Relocation of Vietnam Subsidiary

4. Research & Development

Hitz Dehydration System HDS® by Zeolite Membrane Element Demonstration Plant for Solar Thermal Power Generation High-Speed Seabed Infiltration System

5. Hitz Vision Objectives

1. Green Energy (1)



EfW Global Business (Energy from Waste)

EfW and Incineration Plants -Order intake from April to October, 2013-

Japan

EPC	EPC: Engineering, Procurement and Construction
1. Kyoto City(*)	EfW Plant: 250t/d × 2, 14MW Bio gasification plant: 30t/d × 2, 1MW

Retrofit

 Kurashiki City, Okayama 	EfW Plant: 150t/d × 2 Power generation 1.9MW →3.4MW
2.Greater Katori, Chiba	Incineration Plant: 45t/16h × 3

Long term operation & maintenance

- Kurashiki-City,
 Okayama:
 year contract
- 2. Greater Tamura,Fukushima:8 year contract

Overseas



1. Green Energy (2)



Renewable Energy Project under Feed in Tariff

■ Mega Solar Power Plant

1.5MW plant built in our Innoshima works

Started operation in September 2013 under 20 year power supply contract Electric power generation of approx. 1,718,000 kWh per year



- 1.0MW plant to be completed for our affiliated company
 Start operation from Dec 2013 under 20 year contract
 Electric power generation of approx. 1,317,000 kWh per year
- Enter into the EPC and AOM business of Mega Solar

Biomass Power Plant

•5.8MW Plant fueled by unused woodchips
Plant completion in March 2015
and 20-year operation

EPC: Engineering, Procurement and Construction AOM: After-sales Service, Operation and Maintenance



2. Social Infrastructure and Disaster Prevention



Process Equipment – Expansion of Overseas manufacturing site

■ Completion of Chinese JV's manufacturing site



Additional investment to Indian JV for production facility

ISGEC Hitachi Zosen Ltd

- Increase of production capacity:8,000t to 13,000t (×1.6)
- Completion: June 2014



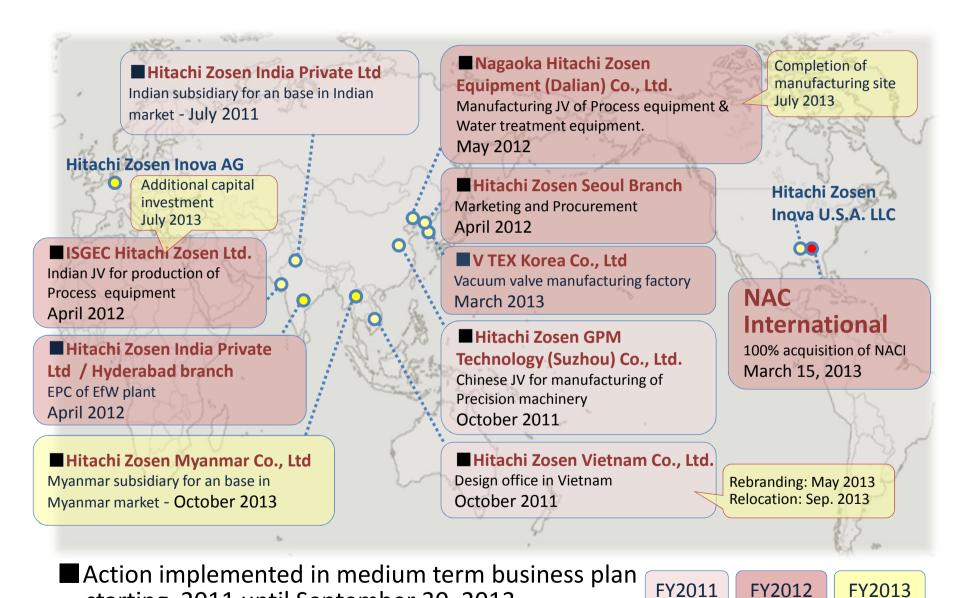
3. Development of Global Business (1)

starting 2011 until September 30, 2013



FY2012

FY2013



3. Development of Global Business (2)



Myanmar Subsidiary

Hitachi Zosen Myanmar Co., Ltd

Started sales activities of infrastructure business





Vietnam Subsidiary

Hitachi Zosen Vietnam Co., Ltd.

Rebranding and relocation to new office to enhance the role of engineering hub in Southeast Asia



4. Research & Development (1)



Hitz Dehydration System HDS® by Zeolite Membrane Element

■ Field Test in distillation process of petrochemical plant

Accomplishment of continuous running for 200 hours

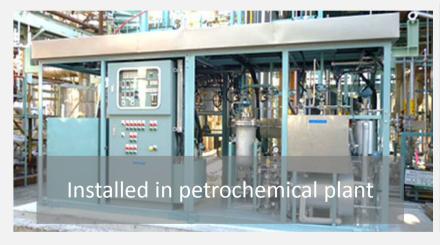


- Improvement of water resistance
- Lengthening of body
- Possibility of saving more than 50% energy

NEDO Project Participations

Waseda University JX Nippon Oil & Energy Corp. Hitachi Zosen Corp. Mitsubishi Chemical Corp.

Chiyoda Corp. Noritake Co., Ltd





Starting the Development for Mass Production

Facility to produce 1,500 per month of large-sized membrane (diameter: 25mm, length: 1.7m)

for Dehydration of bioethanol and various solvent

4. Research & Development (2)



Demonstration Plant for Solar Thermal Power Generation

Saudi Arabia

Thermal Power Generation ⇒Contributing to Desalination plants

Using mirror reflectors to focus sunlight on a tube absorber, which acts as a heat source to generate steam and produce electricity Thermal storage enable continuous power generation during nighttime

Hitz Super Low Profile Fresnel concentrated solar power

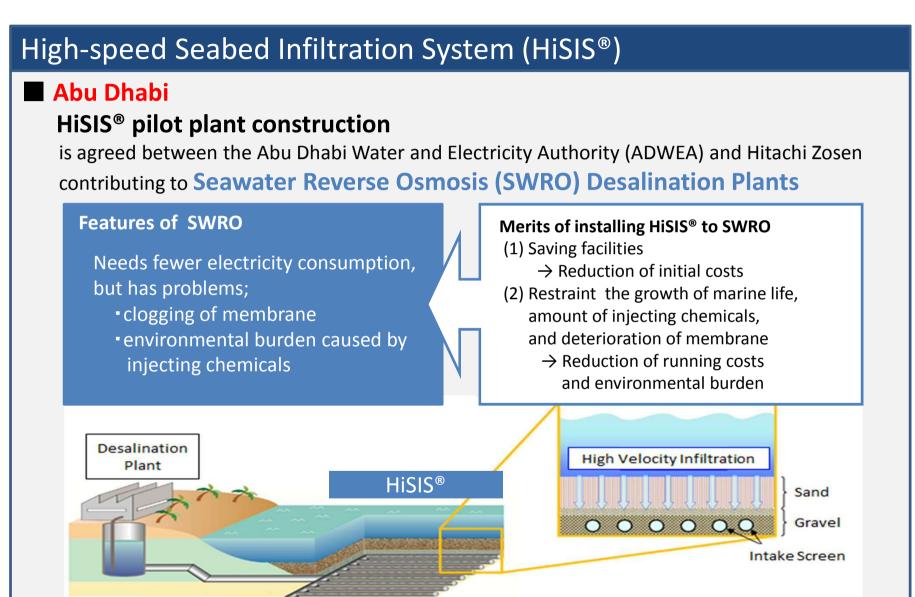
- (1) Controllable reflector in both angle and curvature

 →improvement of the solar concentration ratio
- (2) Lower setup of he tube absorber \rightarrow wind resistance and easy maintenance



4. Research & Development (3)





5. Hitz Vision Objectives



		FY2011			FY2012			FY2013	
	Hitz-V Plan	Actual	Achievement ratio	Hitz-V Plan	Actual	Achievement ratio	Hitz-V Plan	Forecast	
Order intake	370.0	289.7	78.3%	440.0	382.8	87.0%	500.0	400.0	
Net sales	310.0	303.0	97.7%	340.0	296.7	87.3%	400.0	320.0	
Operating income (Ratio)	14.0 (4.5%)	11.3 (3.7%)	80.7%	15.5 (4.6%)	11.3 (3.8%)	72.9%	20.0 (5.0%)	13.0 (4.1%)	
Ordinary income (Ratio)	13.0 (4.2%)	10.7 (3.5%)	82.3%	13.5 (4.0%)	11.2 (3.8%)	82.3%	16.0 (4.0%)	10.0 (3.1%)	
Net income	10.0	9.3	93.0%	10.5	7.4	71.5%	11.5	7.5	
Int. bearing debt	114.4	107.6		100.0	102.6		100.0	105.0	
Net worth ratio	24.2%	25.4%		29.1%	26.9%		30.0%	27.3%	





Cautionary Statement

Forward-looking statements are based on information currently available to Hitachi Zosen Corporation. Therefore those forward-looking statements include unknown risks and uncertainties. Accordingly, you should note that the actual results could differ materially from those forward-looking statements. Risks and uncertainties that could influence the ultimate outcome include, but are not limited to, the economic conditions surrounding Hitachi Zosen Corporation and/or exchange rate fluctuation.