Financial Summary and MIURA Growth Strategy

Daisuke Miyauchi President & CEO November 19th, 2018 (Mon)

The Best Partner of Energy, Water and Environment



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Date 2018.11.5

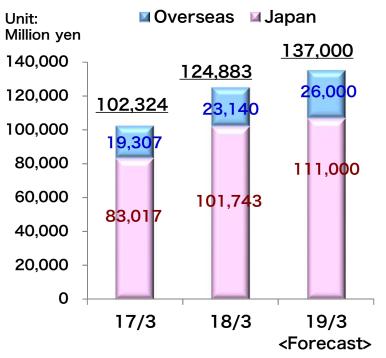
1. Company Profile

Company Profile

MIURA

Name	MIURA CO.,LTD.
Location	7 Horie, Matsuyama, Ehime
Establishme nt	May 1959
Group	Japan: 11
company	Overseas: 15
(MIURĂ CO.,LTD. Included)	X As of September 30 th , 2018
Employees	Group total: 5,700
	(1,648 employees overseas included)
Business	Manufacturing, sale, and maintenance of equipment
Rating	"A" maintained as of October 2018 (Publicized by Rating and Investment Information, Inc.)

[Consolidated Net Sales]



<ifrs></ifrs>	FY2016	FY2017	FY2018 plan (Revision)
Revenue (Million yen)	102,324	124,883	137,000
Operating profit (Million yen)	12,401	13,868	15,200
Profit before income taxes (Million yen)	12,898	14,183	15,700
Profit attributable to owners of parent (Million yen)	9,012	10,363	11,300
Basic earnings per share (Yen)	80.08	92.09	100.41



4

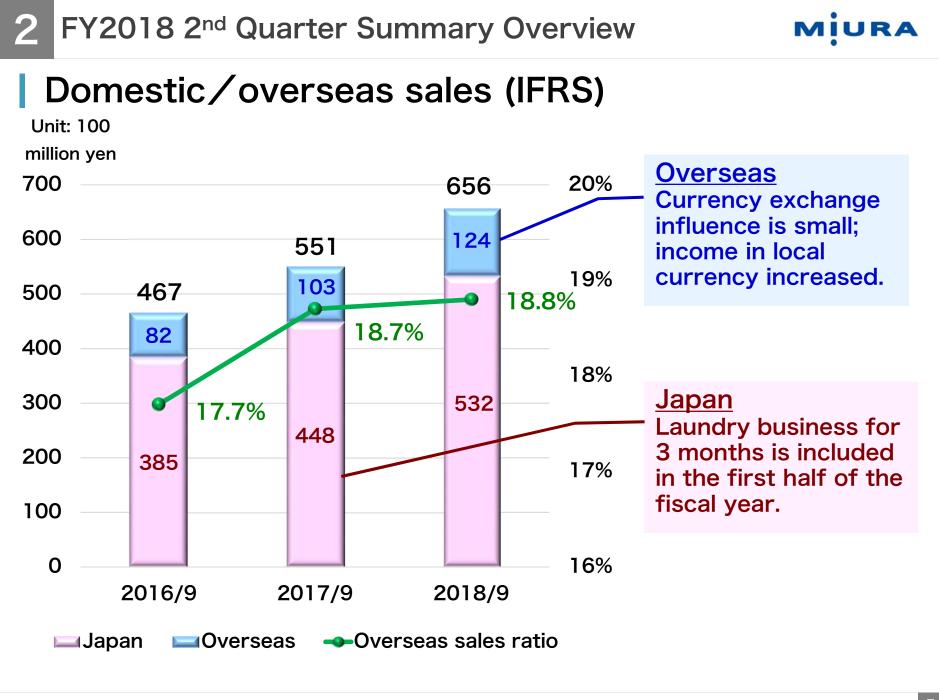
Result of the first half of the fiscal year

Unit: Million yen

<ifrs></ifrs>	FY2017 2 nd	FY2018 2 nd	Increase rate
Revenue	55,156	65,632	19.0%
Cost of revenue	32,651	39,913	22.2%
Selling, general and administrative expenses	16,280	18,146	11.5%
Other income	416	489	17.5%
Other expenses	31	38	22.6%
Operating profit	6,610	8,022	21.4%
Profit before income taxes	6,827	8,310	21.7%
Profit attributable to owners of parent	4,712	5,933	25.9%

«Overview»

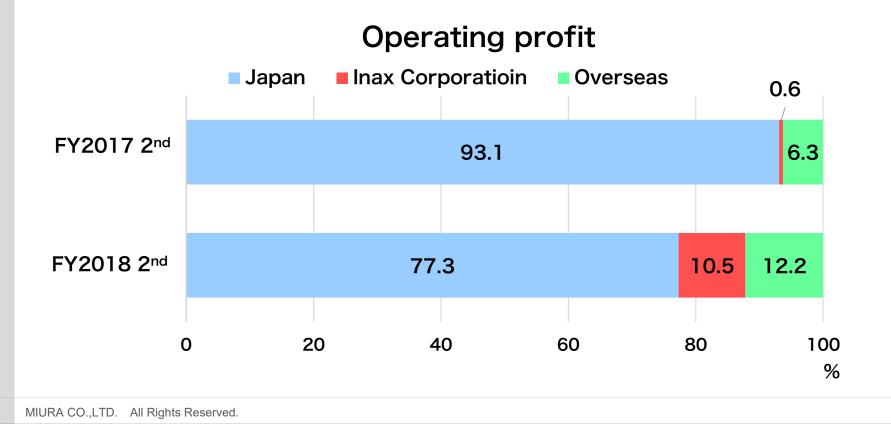
Highest revenue and net income achieved	Steadily good in each domestic business and in boiler sales overseas
Firm laundry business in Japan	Inbound demand Customer needs for labor saving and automation
Steady performance of all the overseas subsidiaries	Increasing demand for replacement with gas-fired boiler
Stable maintenance business both in Japan and overseas	The number of boiler installed increased Positive actions in holding the paid maintenance contract
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Analysis

Unit: Million yen

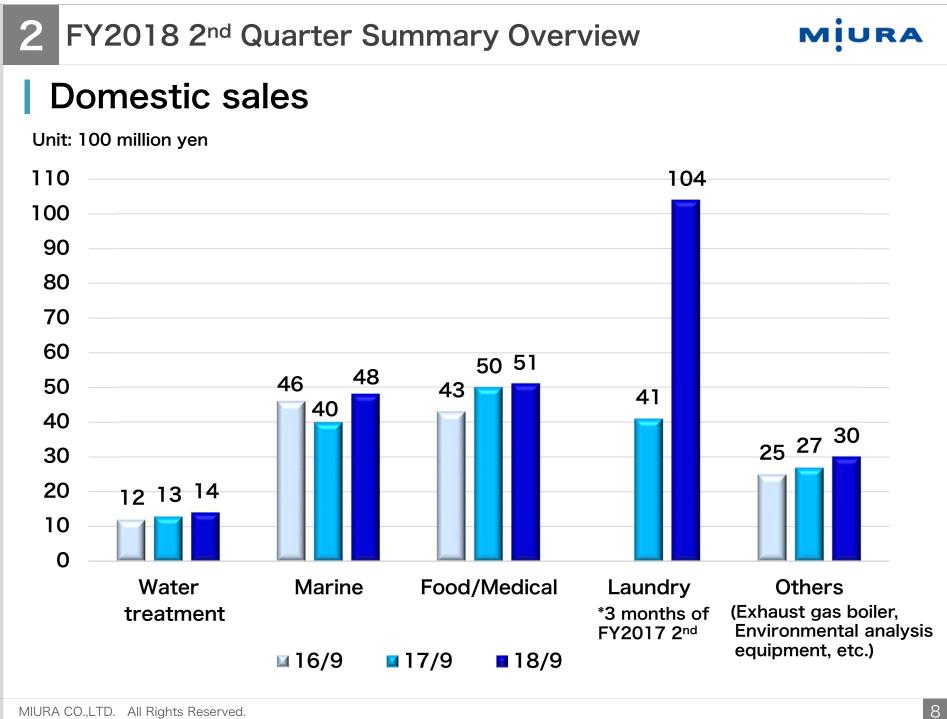
FY2018 2 nd Quarter Summary Overview	Plan	Result	Growth rate
Revenue	63,500	65,632	103%
Operating profit	7,000	8,022	115%
Profit before income taxes	7,100	8,310	117%
Profit attributable to owners of parent	5,000	5,933	119%

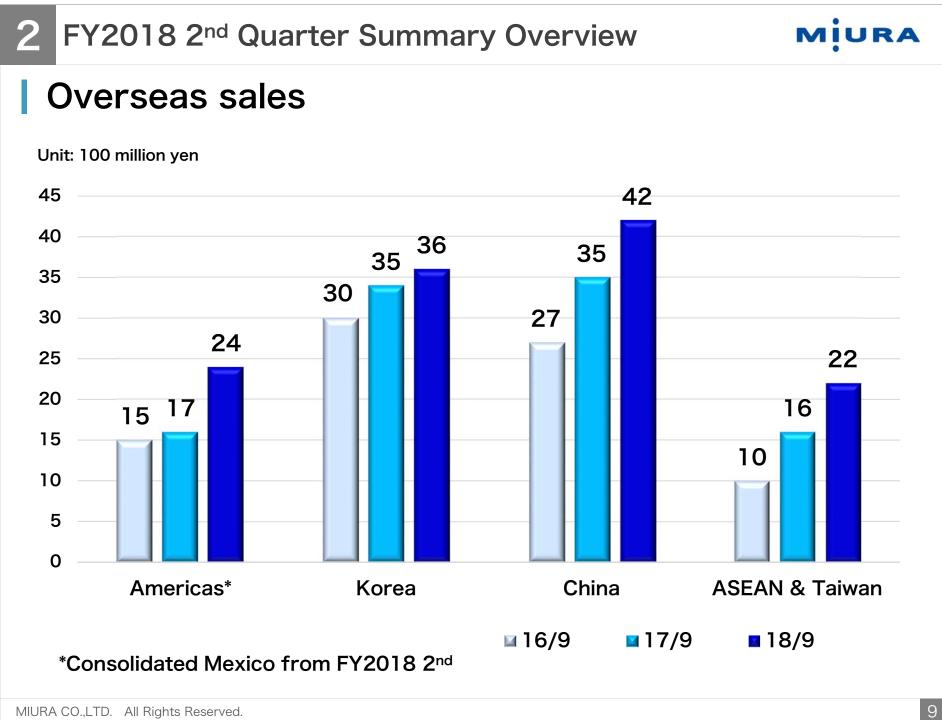


Comparison with the first half plan

Unit: 100 million yen

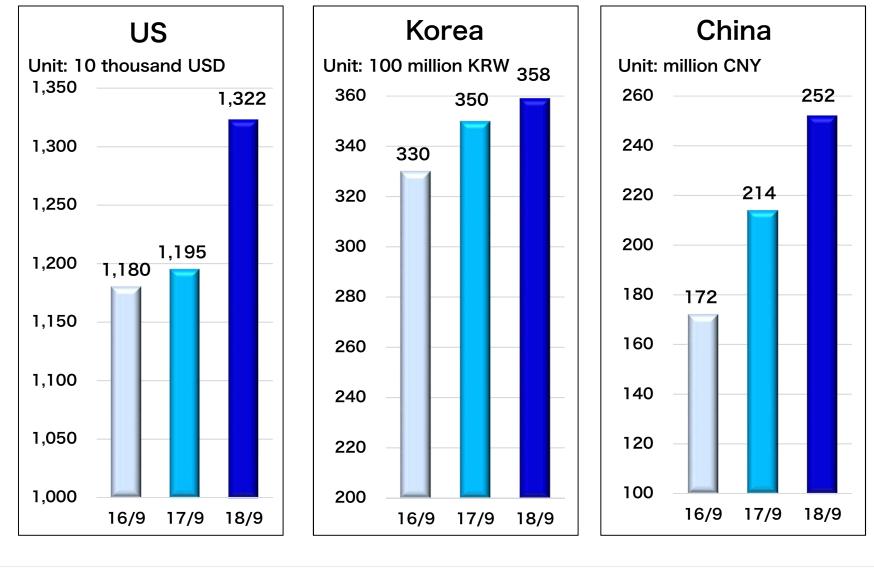
	The First Half of The Fiscal Year	FY2017 Result	FY2018 Plan	FY2018 Result	Difference Result - Plan	
	Boiler	277	280	285	5	
	Water treatment	13	16	14	-2	
D	Marine equipment	40	42	48	6	
m	Food & Medical equipment	50	50	51	1	
Domestic	Laundry	41	80	104	24 🦰	
tic	Others (Special Equipment, New Business, Environment, etc.)	27	32	30	-2	
	Subtotal	448	500	532	32	
0	Subtotal Americas*	448 17	500 21	532 24	32 3	
Ove						
Overs	Americas*	17	21	24	3	
Oversea	Americas* Korea	17 35	21 33	24 36	3	
Overseas	Americas* Korea China	17 35 35	21 33 61	24 36 42	3 3 -19	
Overseas	Americas* Korea China ASEAN, Taiwan	17 35 35 16	21 33 61 20	24 36 42 22	3 3 -19 2	





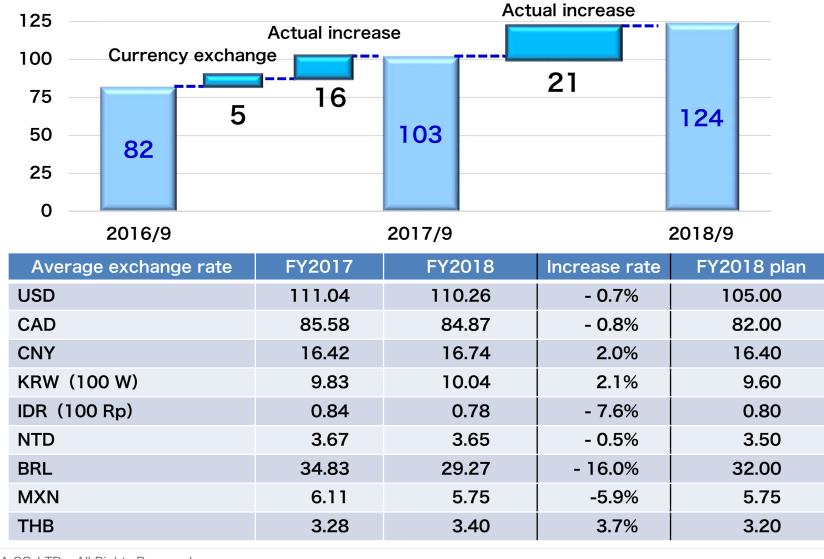


Main overseas sales (in local currency)



Analysis of factors for increasing overseas sales

Currency exchange influence is small; income in local currency increased.



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Unit: 100 million ven

Revised annual plan Unit: 100 million yen				
	FY2017 Result	FY2018 Plan	FY2018 (Revised)	Difference
Boiler	588	594	609	+15
Water treatment	29	35	35	
Harine equipment	86	90	100	+10
Food & Medical equipment Laundry	104	106	106	
	139	170	190	+20 🧲
Others (Special Equipment, New Business, Environment, etc.)	71	70	70	
Subtotal	1,017	1,065	1,110	+45
Americas	44	45	45	
Korea	69	70	70	
China	83	130	100	-30 🚩
China ASEAN, Taiwan	35	40	45	+5
Subtotal	231	285	260	-25
Total	1,248	1,350	1,370	+20

3. Profit Share and Stock

Pro	fit Share	e and	Stock			MIUR
divic 2 Targ	aining st dends jeting 30 solidated)% of t		Mi En	/2017 d. 11 yen d 17 yen tal 28 yen	FY2018 Mid. 14 yen (Revised) End 17 yen Total 31 yen -Forecast
	IChon		lividond	por ch		
Unit: yen 35 30 25	_	Middle	lividend I End	•		Reference) Holdings of treasury stock *As of September 30, 2018 • Total number of issued shares (without treasury shares) 112,574,546 shares
 35 30 25 20 15 10 5 8 0 	1 1 1 .67 1	Middle		•		 Holdings of treasury stock *As of September 30, 2018 • Total number of issued shares (without treasury shares)

Financial Summary and MIURA Growth Strategy 2

Daisuke Miyauchi President & CEO November 19th, 2018 (Mon)

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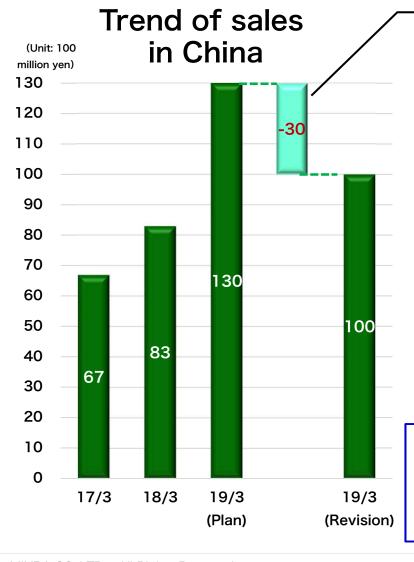
Date 2018.11.5

1. Current Business in China

Current Business in China



Difference between our plan and result

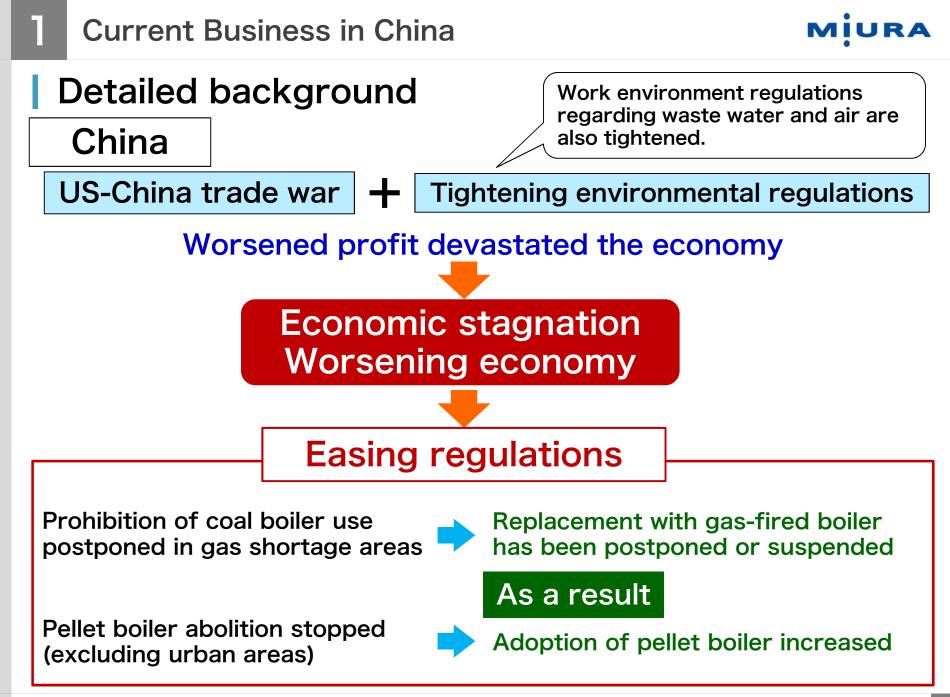


November 5th, 2018 The revenue in China of this fiscal year has been revised to 10 billion yen, three billion yen downwards.

Factors of difference

- 1 Gas shortage Large increase in demand
- 2 Trade war Wait-and-see attitude toward investment
- 3 Eased regulations Replacement of coal boiler by pellet boiler

The construction of our second factory in Suzhou starts in January 2019. There seems no change in the long-term environmental regulations.



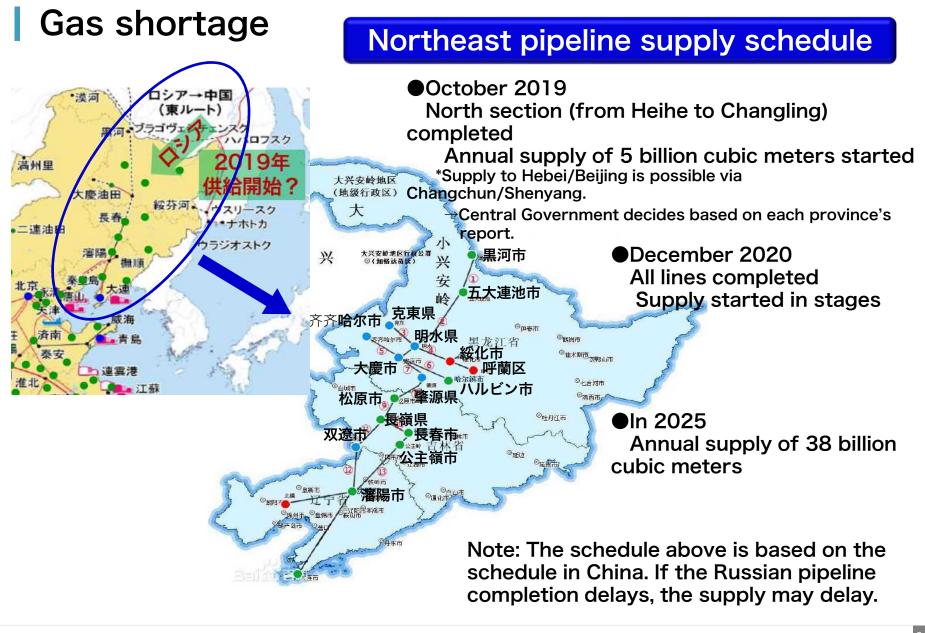


Current environmental regulations

Environmental regulation	Area	Influence	FY2018	FY2019
Tightened NOx	Shanghai North China Shanxi	Burner changed New model boiler		
Postponement of coal boiler prohibition	Northeast China (Dalian)	Postponed		➢ if the northeast pipeline is completed as planned,
Postponement of pellet boiler prohibition (until 2021)	Guangzhou	Postponed		
Pellet boiler permission (Replacement of coal boiler by pellet boiler)	Guangdong (Reference) Installation in 2017 • Pellet: 500 units • Gas: 450 units	Lost		

Current Business in China







Trade war impact

Area	Industry	Influence	FY2018	FY2019
Shandong	Rubber, Chemical	Postponement or disappearance due to companies closed		Shifting to food and feed industries
Guangdong Fujian	Food	None		?
Whole China	Corrugated cardboard	None		To Vietnam and Indonesia

Influence in Shandong

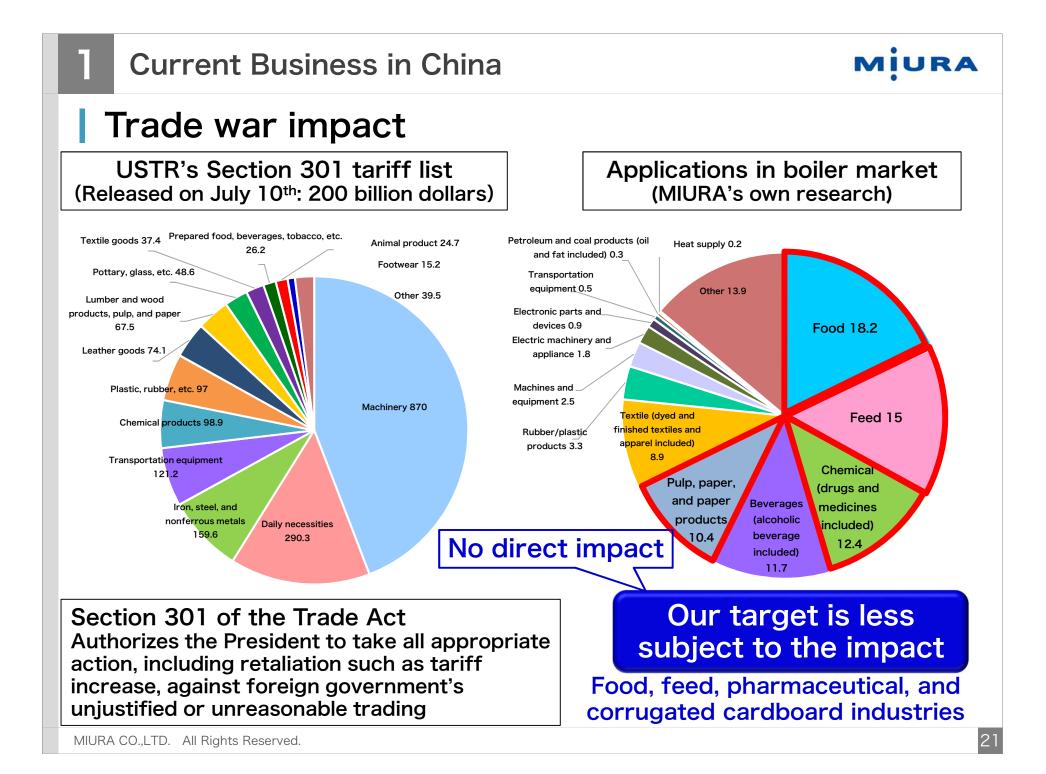


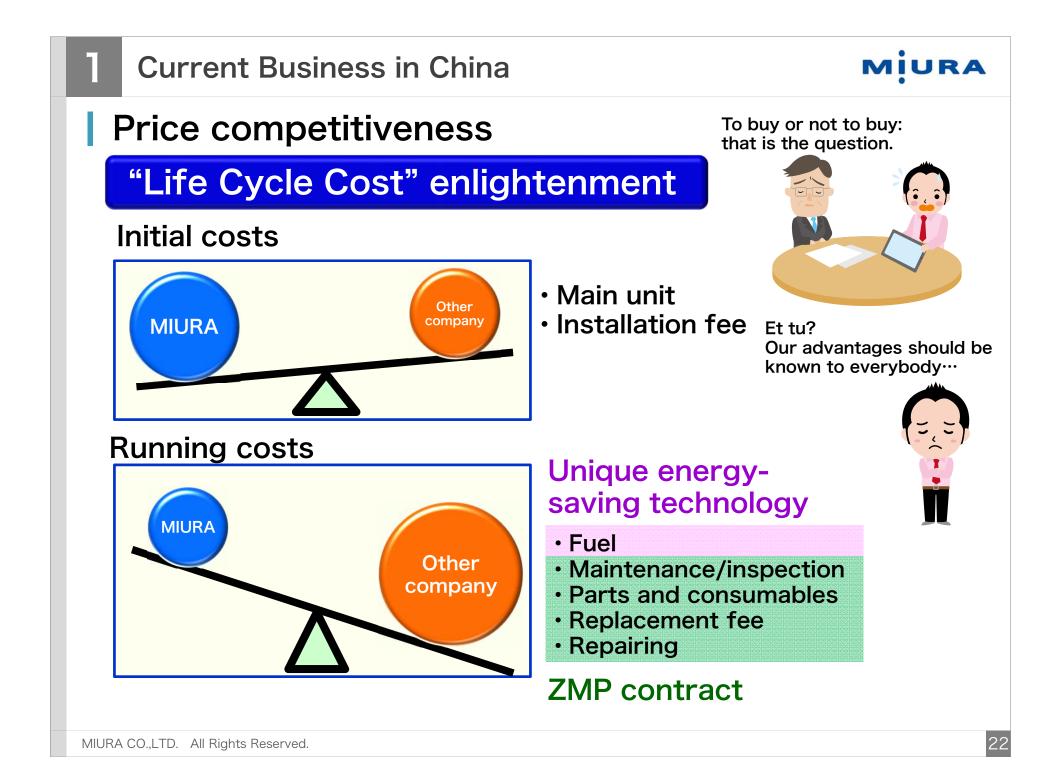
High-density area of major companies regarding tyre and chemical (rubber) industries

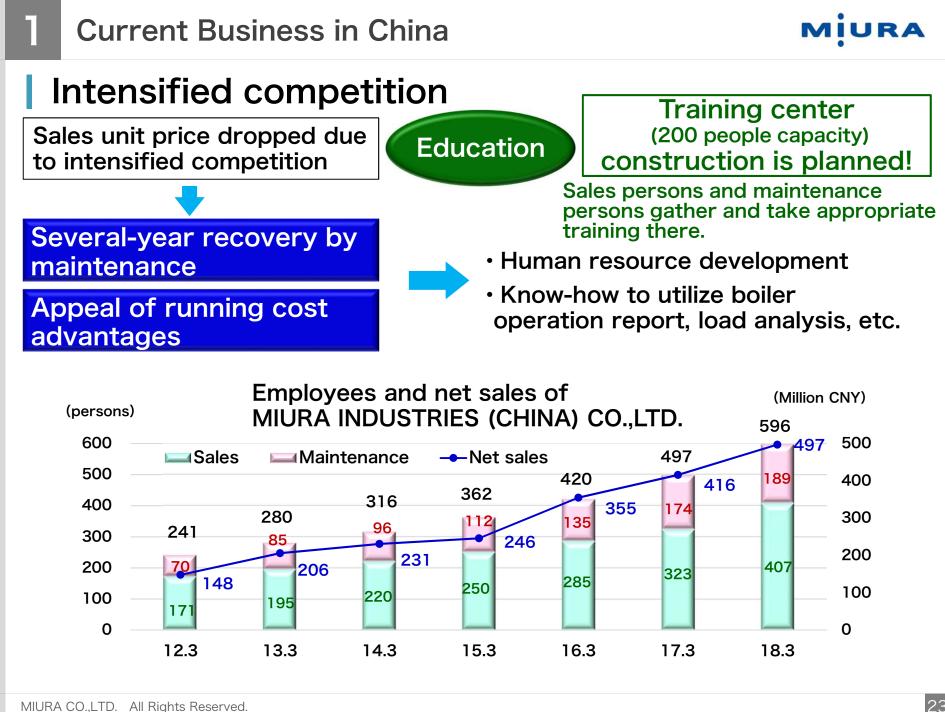
Due to the US-China trade war, 2 out of 4 major companies went bankrupt. *One of them has the largest debt ever in China.



Approx. 50% of boiler units to be delivered to the related companies in the first half of this FY has been postponed or disappeared!







2. Current BWMS Business

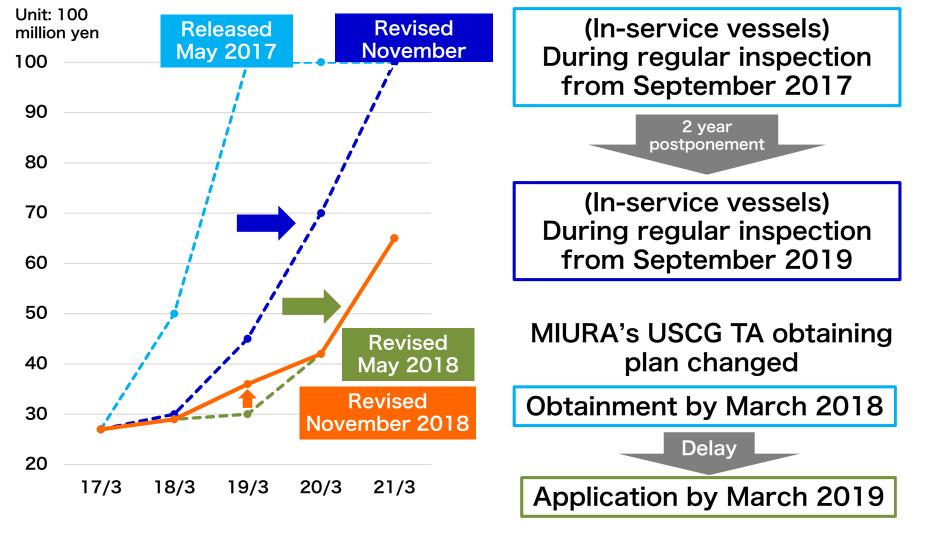
Current BWMS Business

2

MIURA

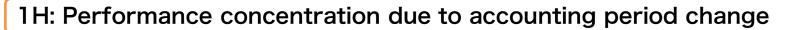
Revision of BWMS sales forecast

BWMS installation timing changed

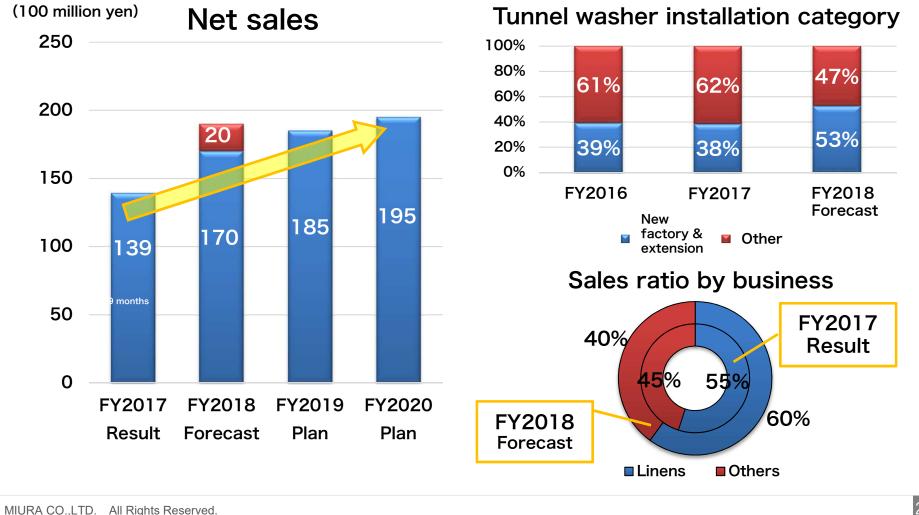


3. Current Laundry Business and Its Future

3 Current Laundry Business and Its Future



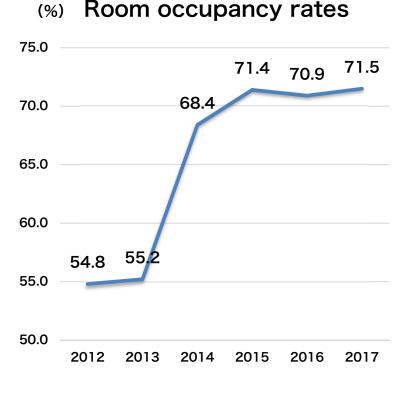
2H: Increasing inquiries from linen factories due to firm inbound demand



Hotel linen market trend

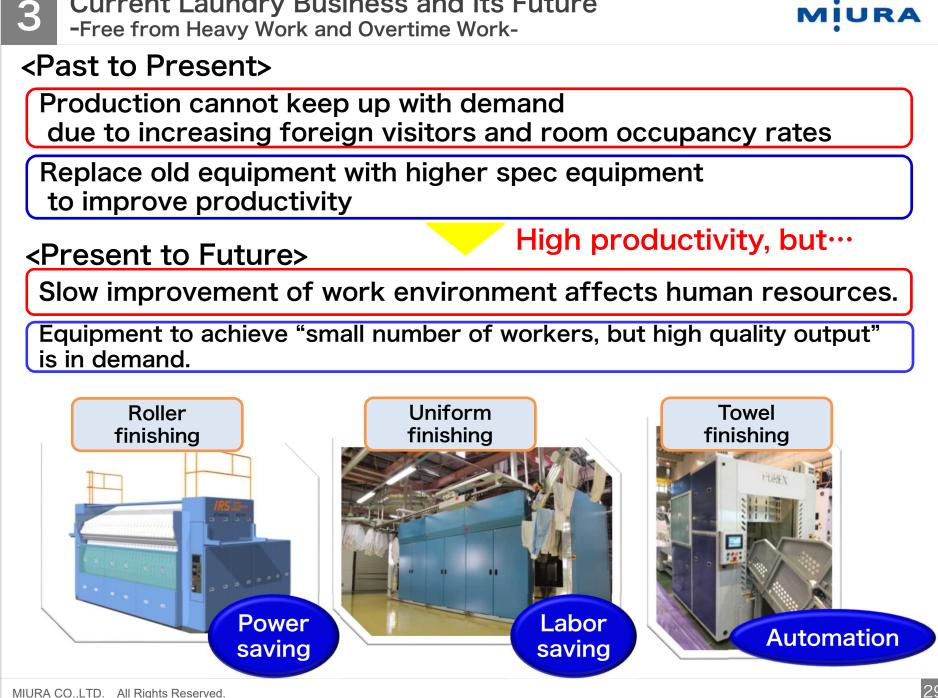
Increasing hotels and their occupancy rates
 Luxury shifting (pillows/towels)





Source: Japan Tourism Agency "Overnight Travel Statistics Survey"

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Current Laundry Business and Its Future

4. Superheated Steam Regeneration Activated Carbon Filter (J TOP CO.,LTD.)

Superheated Steam Regeneration Activated Carbon Filter (J TOP CO.,LTD.)

Profile of our new business partner

[Company profile]

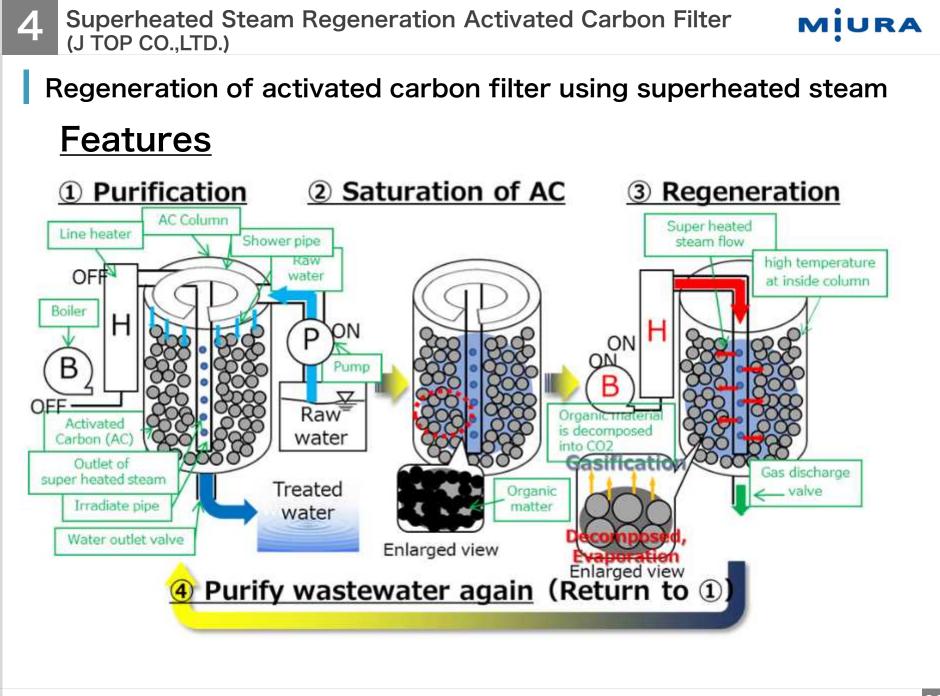
Name	J TOP CO.,LTD.
Location	4-5-44 Migata-cho, Izumi-city, Osaka
Establishment	December 2009
Business	Manufacturing and sale of equipment for environmental protection. Environmental consultant
Representative	President Jiichi Nakaki
Capital	80 million yen (As of October 2018)
Employees	20 (As of October 2018)
Major shareholder	Jiichi Nakaki (66.7%) MIURA CO.,LTD. (20.0%) Other (13.3%)

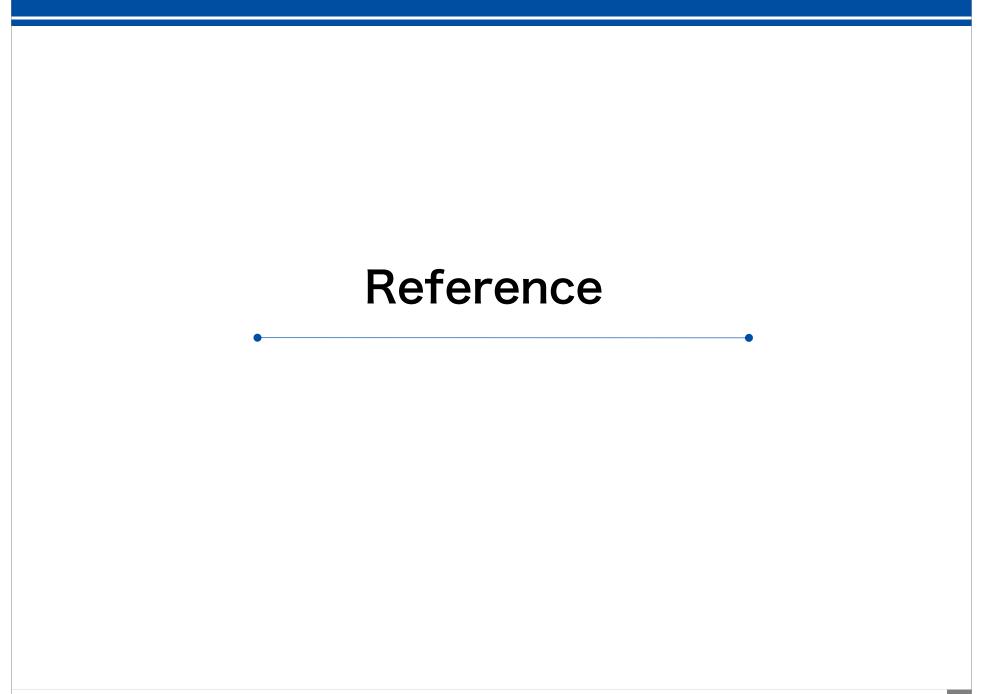
[Main product] Activated carbon filter



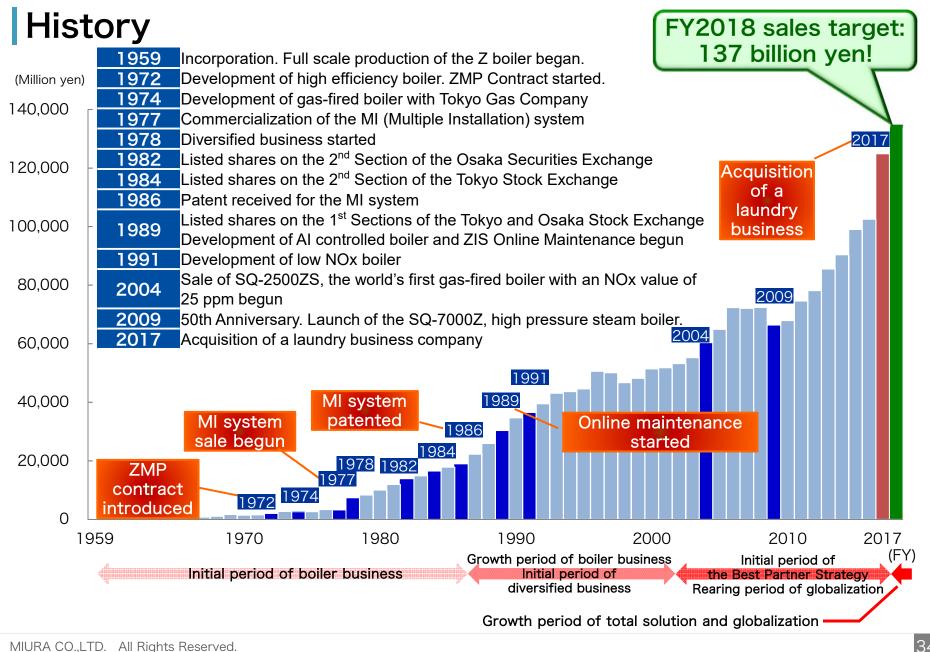
[Product features]

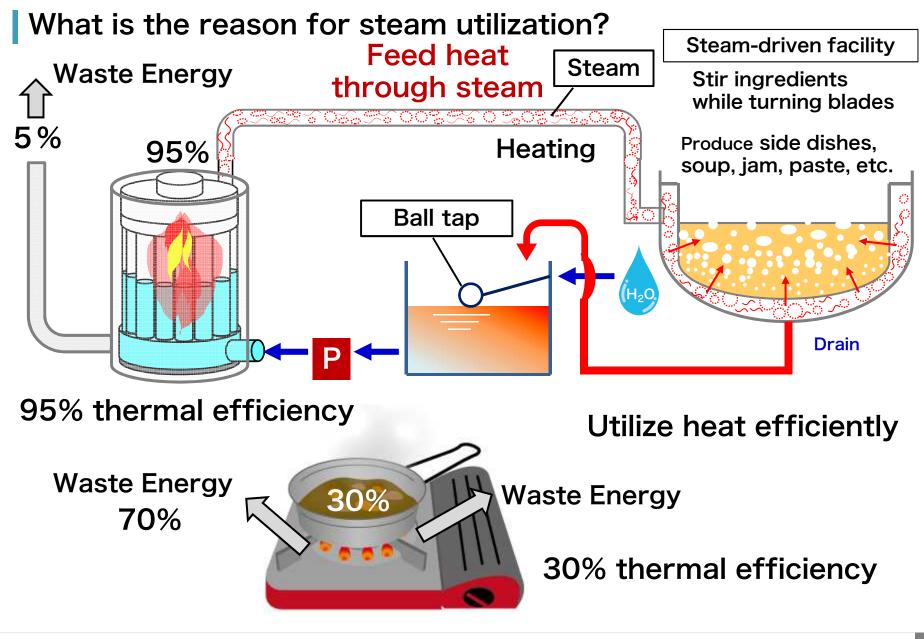
- Uses on-site superheated steam to regenerate J TOP's activated carbon filter.
- Reduces organic matters and concentration. This product can be used in various fields such as water purification, wastewater processing, and reuse water treatment. MIURA and J TOP being linked by steam, this product could be another aspect of our total solutions.

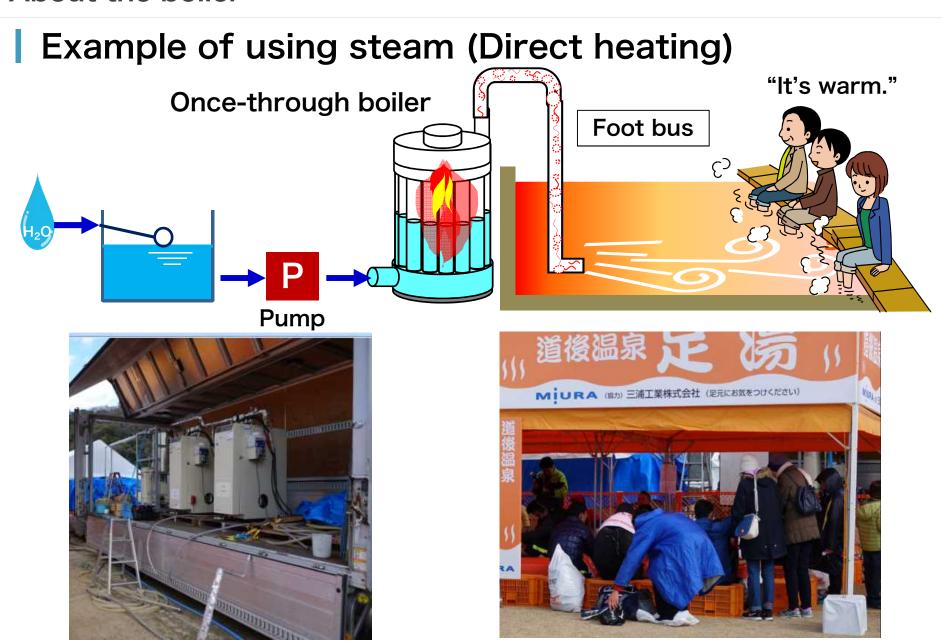


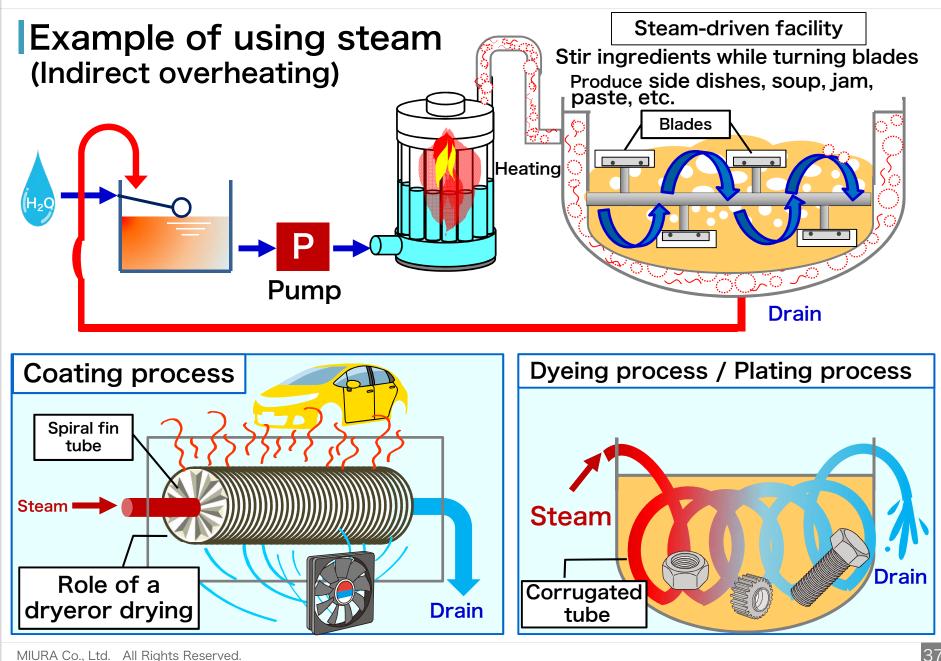


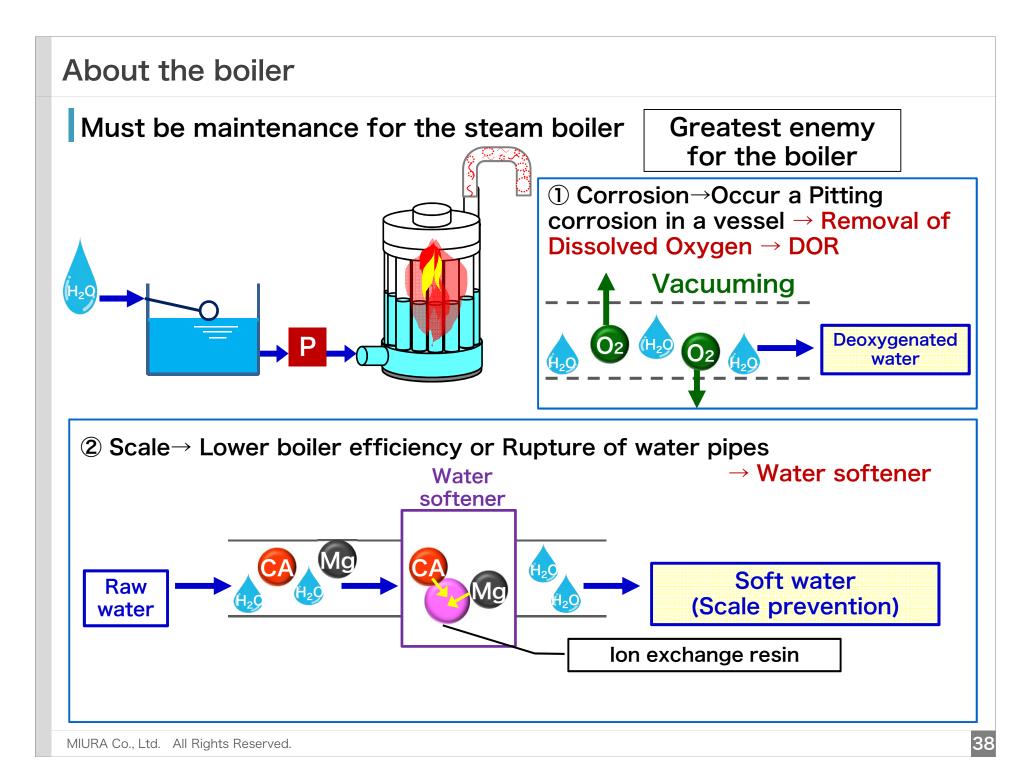
MIURA Business Model

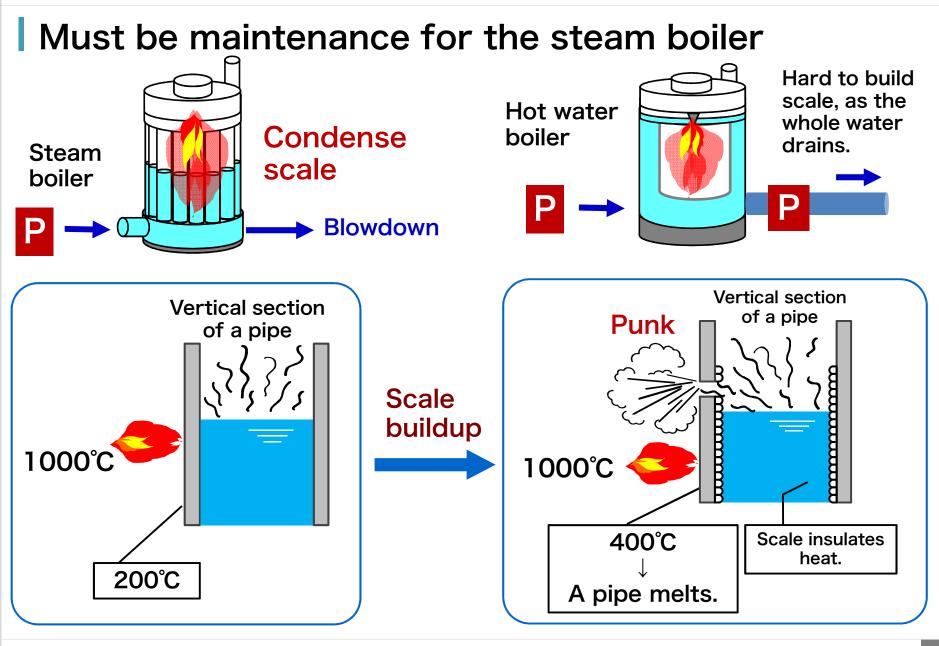






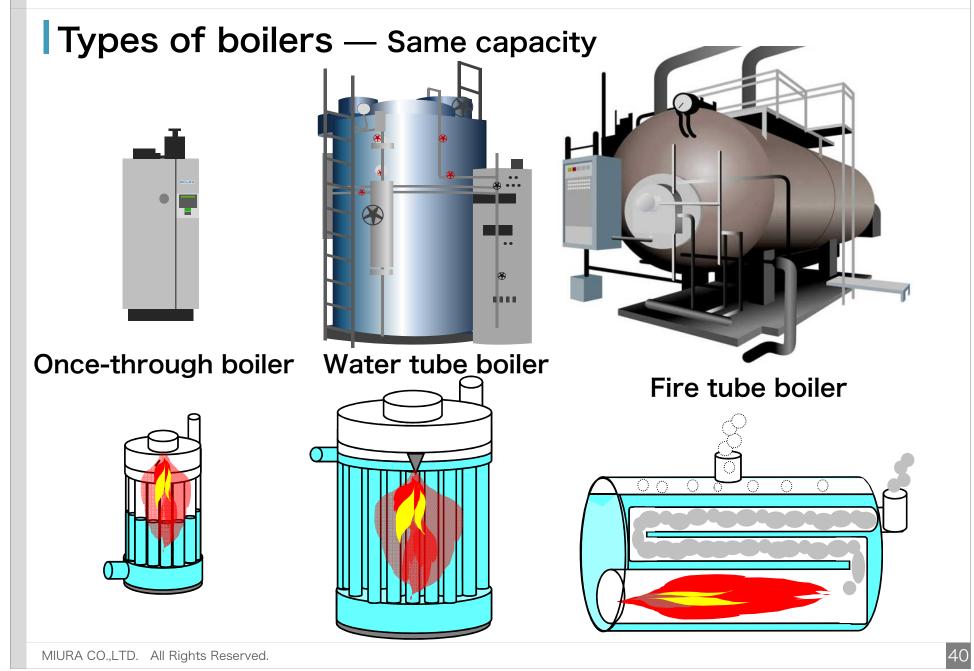


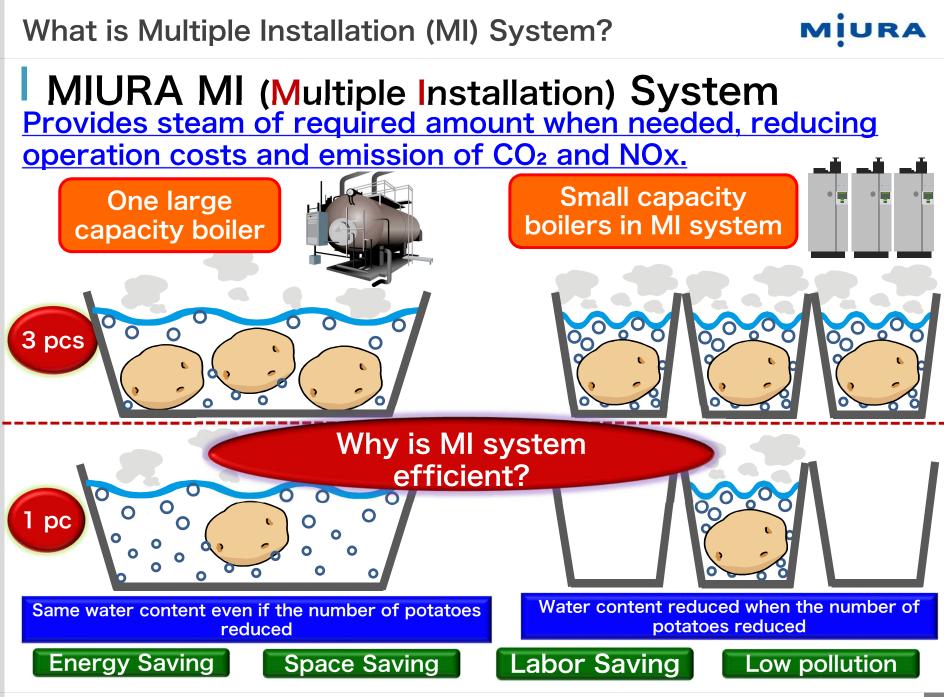




Type of Boilers







What is Multiple Installation (MI) System?



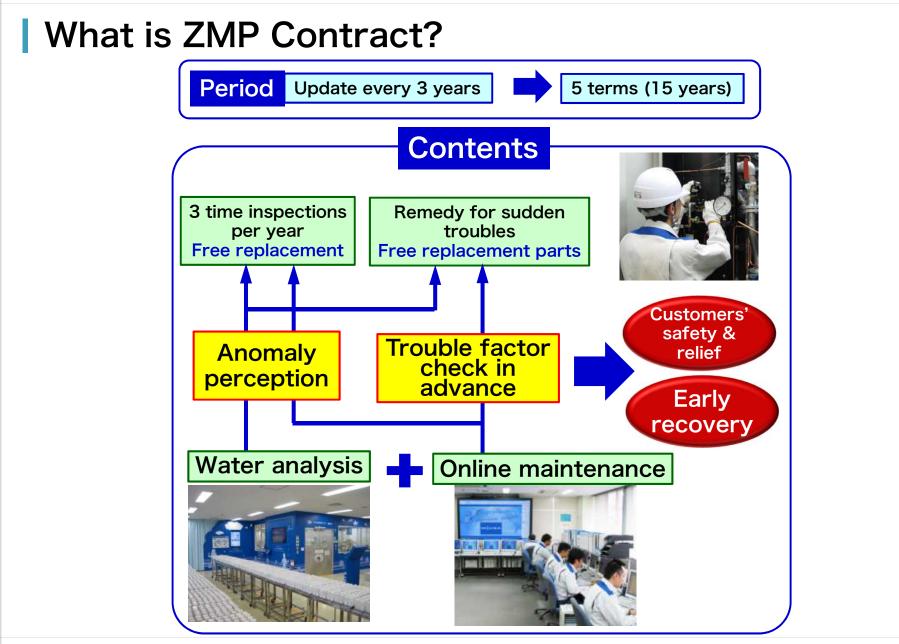
In 1986 MI system patented

M I system (Multiple I nstallation system)

Once-through boiler design makes energy savings a reality.







燃料

給水温度

67

MIURA

User

Early

recovery

0

Visit

Online Maintenance Maintaining high profitability with "loT" for 29 years 個別モニタ 1号ボイラ Monitoring ボイラ室 ボイラバネル 送風機 蒸気圧力 0.72 CIM **WPa** 風圧 台鼓制旗 5960 高燃炮 7*07'54 **Troubleshooting via** Pa 70-**Telephone** (Data ルーム電流 現在値 熱管理データ プログラム collection/analysis) 9-8 蒸気圧力 0.72 HPa μA まかえ温度 132

62 0

9.8 0

116 m 12

5960 D

OFF

320 mS/m

2010/01/25 19:18

-167a-

Approx. 62,000 units under contract *Including equipment other than boiler (As of November 2018)

Preparation in

advance

MIURA

Remote monitoring

Trouble factor grasped

Much more effective, easier maintenance work

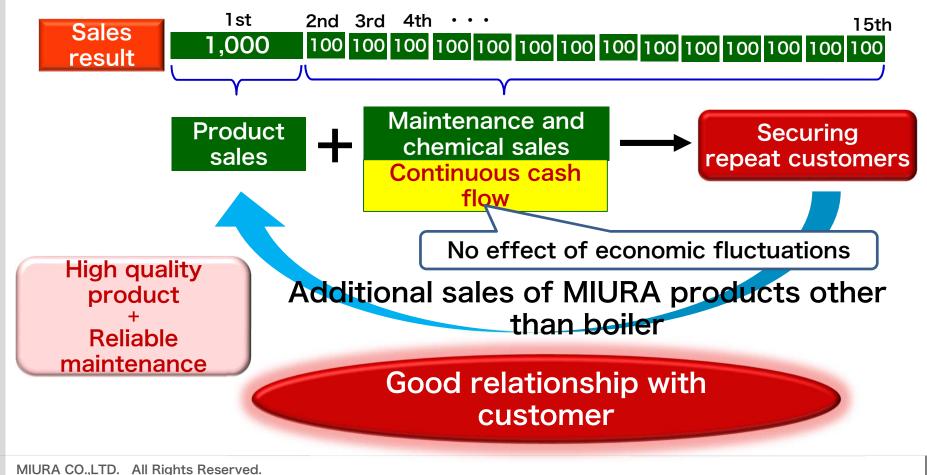
給水キンプ



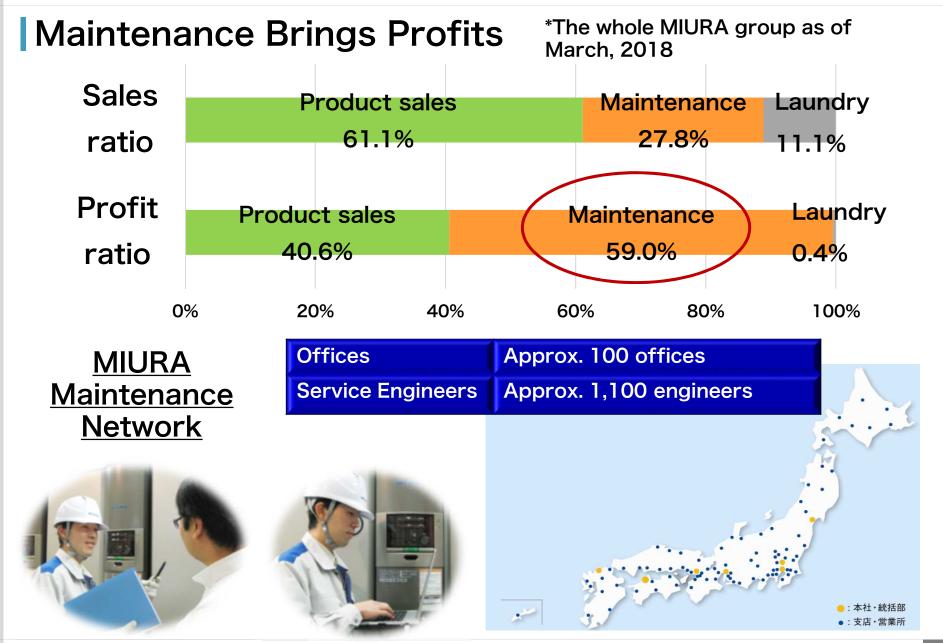
Boiler Lifespan and MIURA Business Model

Not only the product sales, but maintenance & consumables sales

Assuming a boiler has a lifespan of 15 years,



MIURA

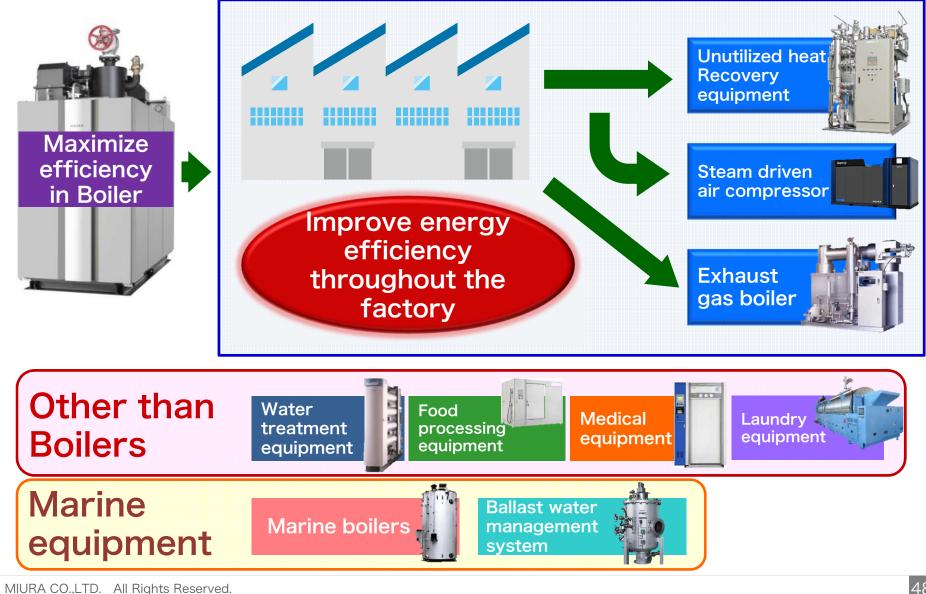


Domestic Sales Strategy MIURA *Boilers for power generation excluded **Domestic share** (Based on an in-house investigation, September 2017) **Domestic boiler market** Domestic once-through boiler market Water tube Once-through **MIURA** boiler boiler Others 9% 17% Share 74% **Once-through** No.1 Fire tube boiler Total amount of 57% boiler steam output of Total amount of the market steam output Approx. Approx. 200K t/h 150K t/h (*) Estimated value (*) Estimated value "Once-through-ism" movement • NIPPON THERMOENER CO., LTD • SAMSON CO., LTD. Competitors • IHI PACKAGED BOILER CO..LTD Kawasaki Thermal Engineering Co., Ltd. Hirakawa Corporation YOSHIMINE CO.,LTD. (Note) The share of once-through boilers is based on MIURA's investigation and the actual results may differ from that.

Domestic Sales Strategy

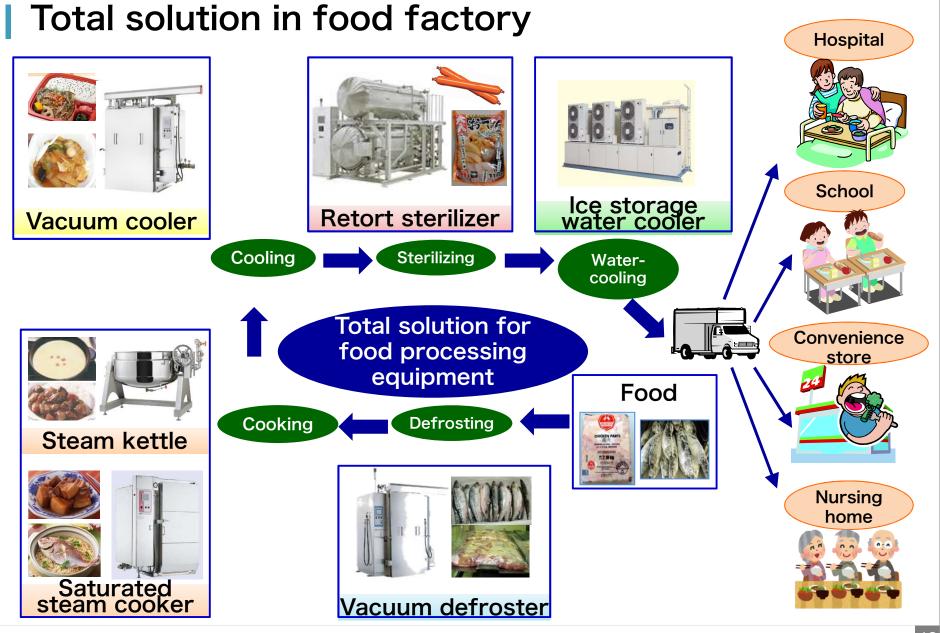
MIURA

What will we offer for the matured market in Japan?



Domestic Sales Strategy

MIURA

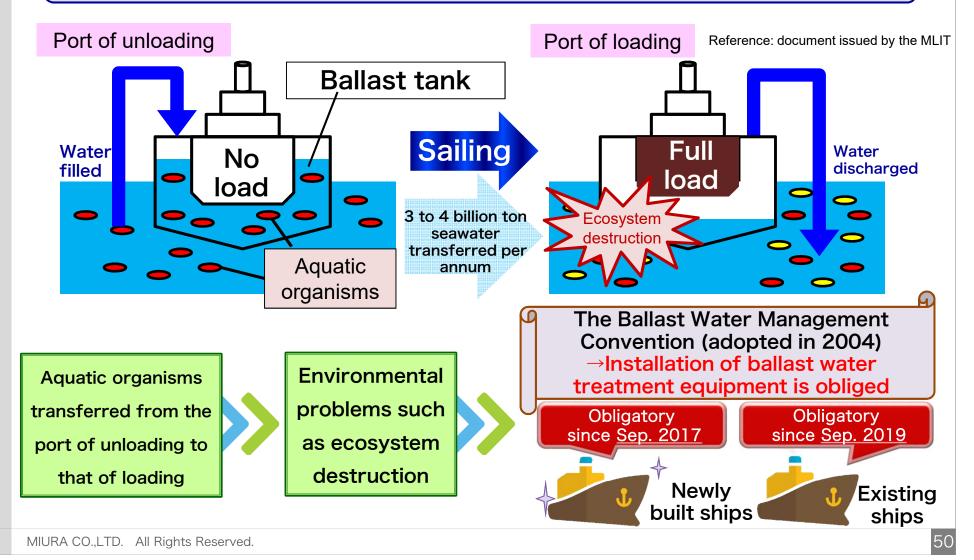


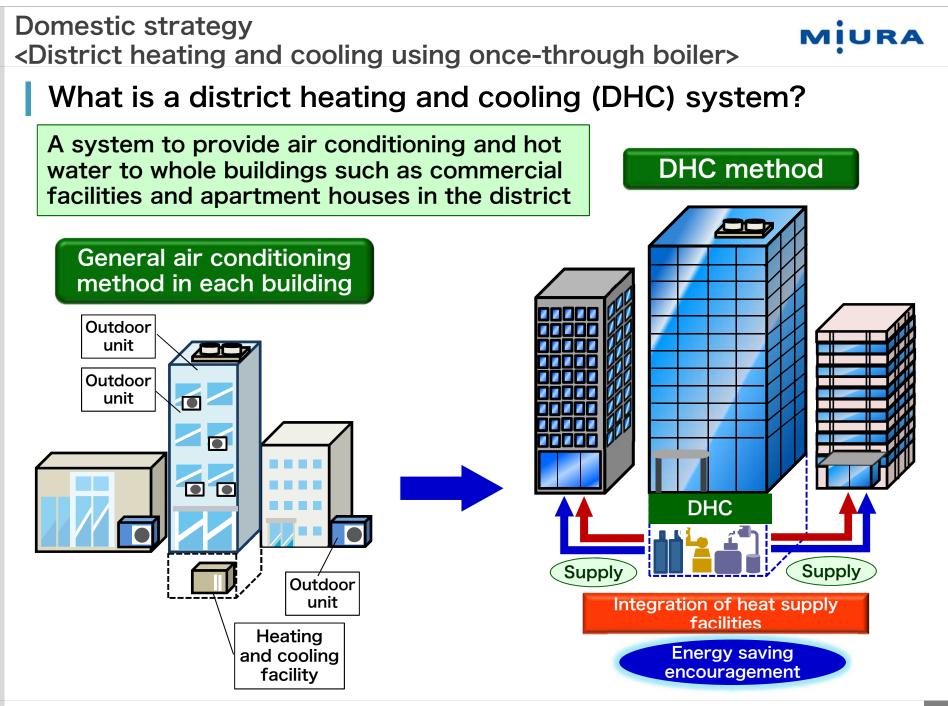
Domestic Sales Strategy



Ballast water problem "A new market born"

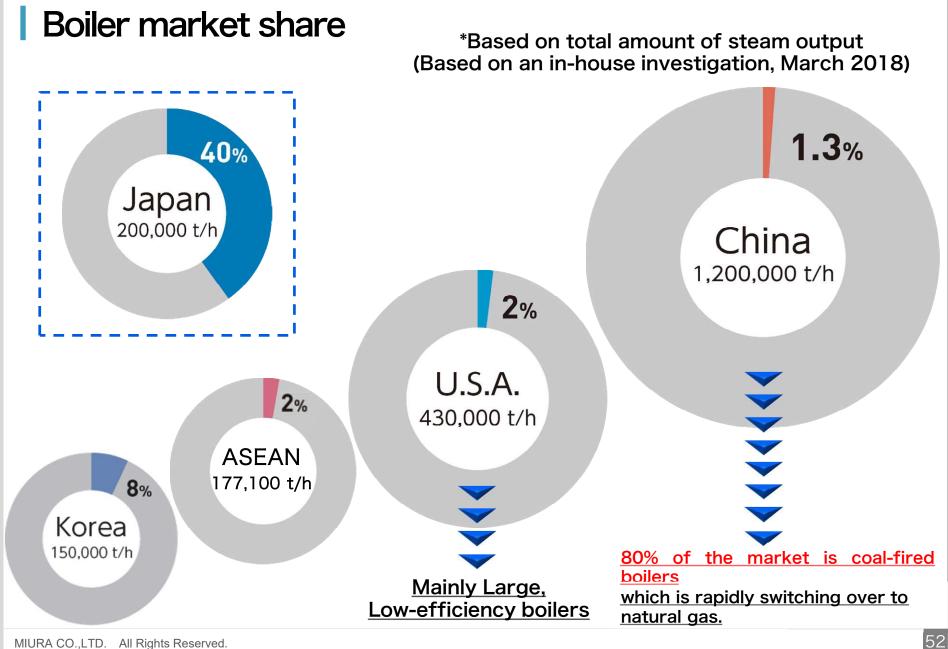
"Ballast water" is the seawater taken into a ship's tank to provide stability to the ship.





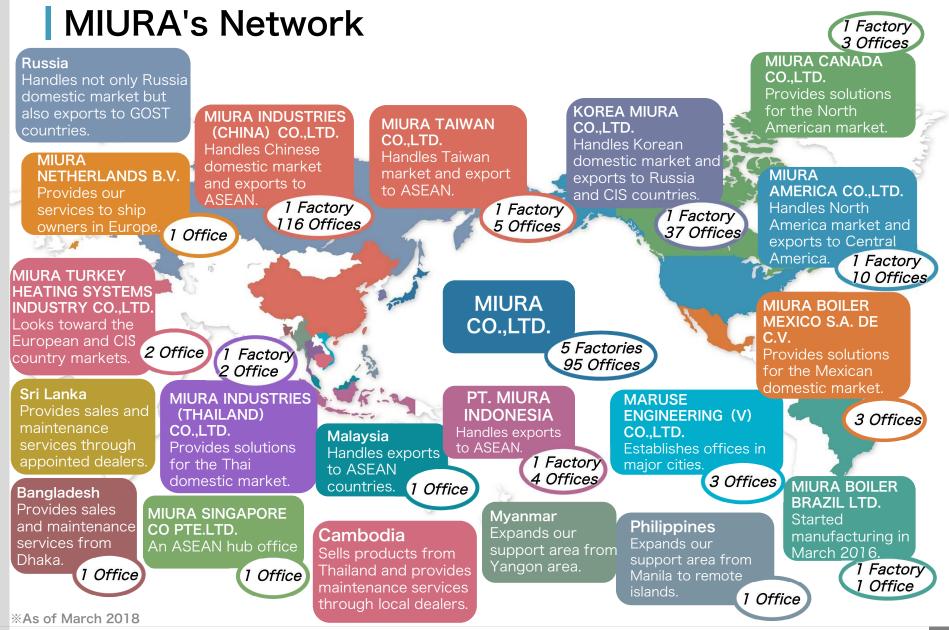
International Sales Strategy

MIURA



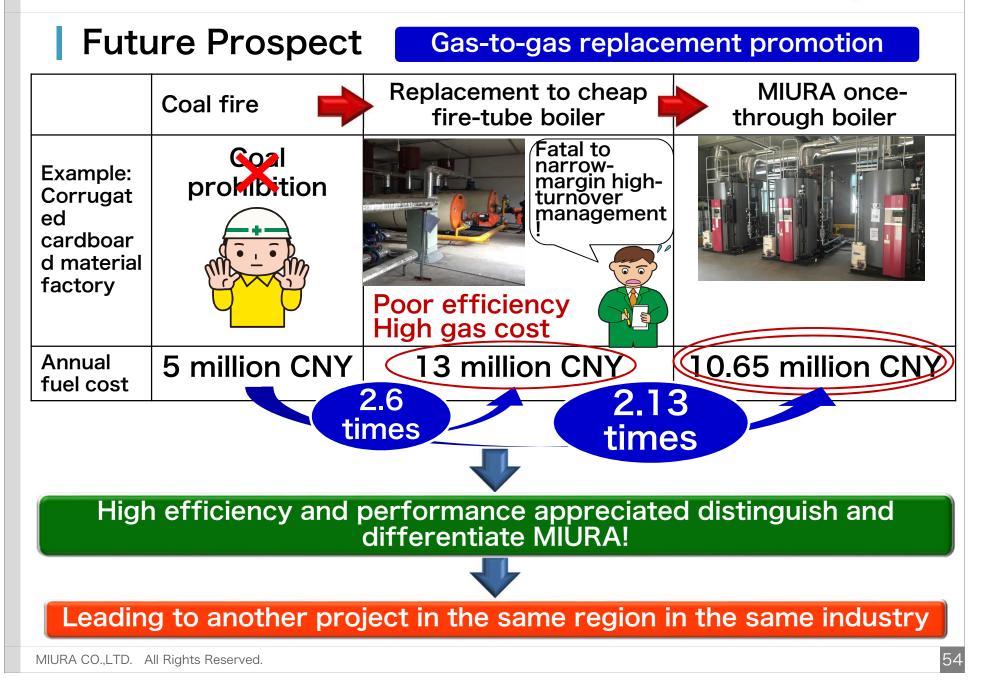
International Sales Strategy

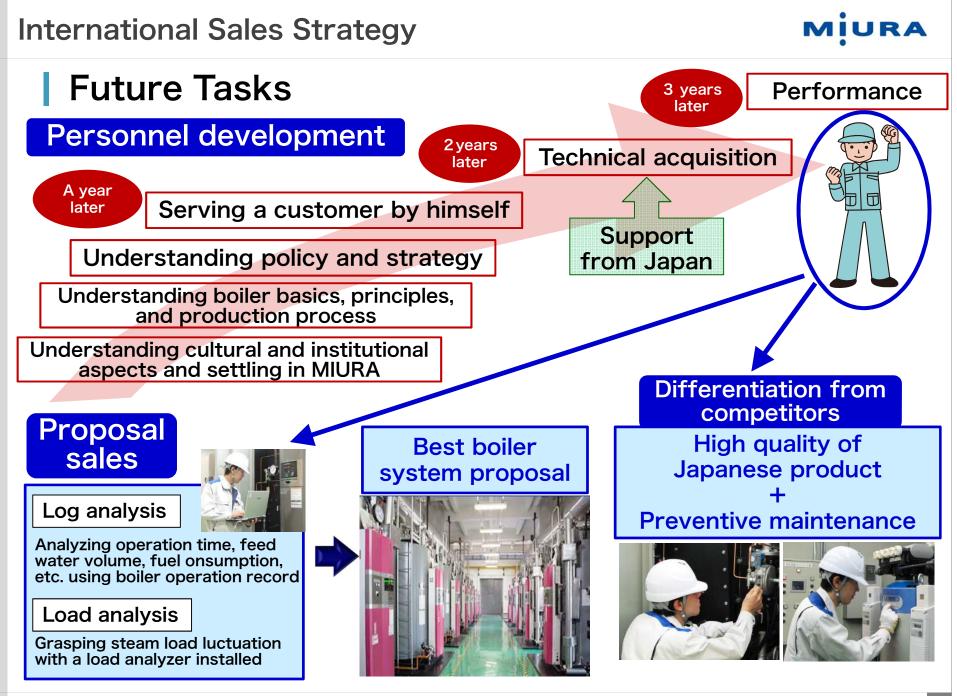
MIURA

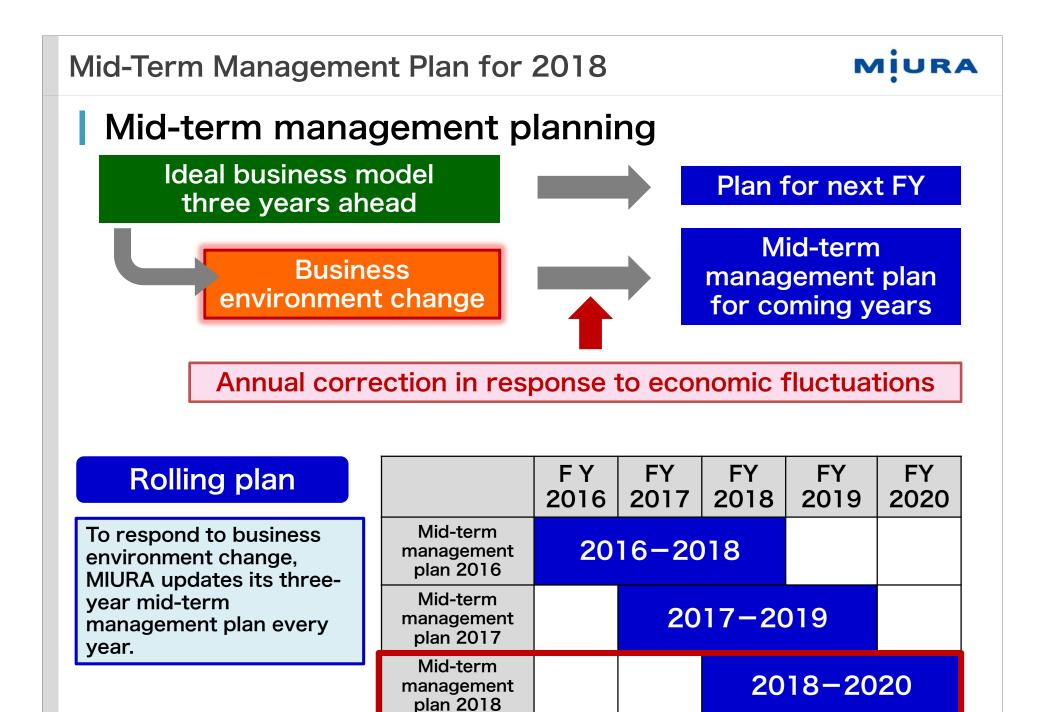


International Sales Strategy

MIURA





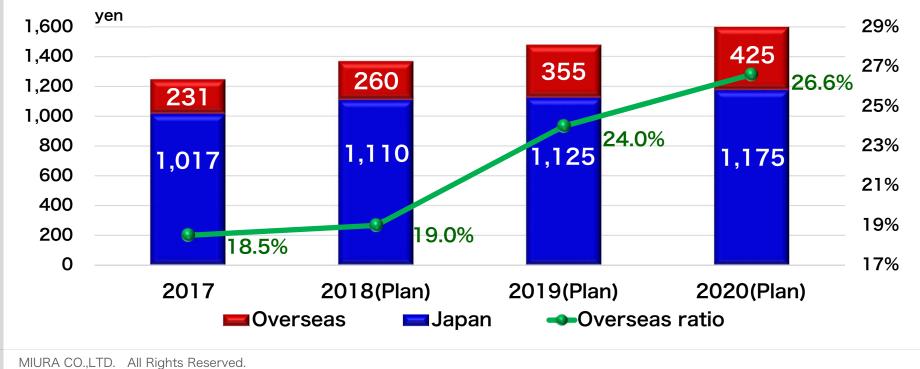




Summary

Unit: 100 million yen

	FY2017	FY2018 Plan	FY2019 Plan	FY2020 Plan
Net sales	1,248	1,370	1,480	1,600
Operating profit	138	152	165	180
Operating profit rate	11.1%	11.0%	11.1%	11.3%



Unit: Hundred million

Mid-Term Management Plan for 2018



Revised annual plan				
FY2017 Result	FY2018 Plan	FY2018 (Revised)	Difference	
588	594	609	+15	
29	35	35		
86	90	100	+10	
104	106	106		
139	170	190	+20 💐	
71	70	70		
1,017	1,065	1,110	+45	
44	45	45		
69	70	70		
83	130	100	-30 🔫	
35	40	45	+5	
231	285	260	-25	
1,248	1,350	1,370	+20	
	FY2017 Result 588 29 86 104 139 71 1,017 44 69 83 35 231	FY2017 ResultFY2018 Plan5885942935869010410613917071701,0171,06544456970831303540231285	FY2017 ResultFY2018 PlanFY2018 (Revised)58859460929353586901001041061061391701907170701,0171,0651,11044454569707083130100354045231285260	



Basic Capital Policy

Here is the basic capital policy of the Miura Group specified to improve our corporate value in the medium- and long-term over the ensured financial soundness.

Capital efficiency improvement Regarding that steady profit increase regardless of the market environment leads to corporate value increase and shareholder's interest improvement, MIURA aims to achieve <u>Return on Equity (ROE) of 10% or more</u> steadily.

Sustainable and stable return to shareholders Not only the continuation of stable dividends but also the fair return of profit based on the company's performance is ideal. We strive to increase the level of dividends, setting the <u>consolidated dividend payout ratio of 30% as a</u> <u>benchmark</u> and comprehensively taking our consolidated results and financial conditions into account.

Basic Capital Policy



Domestic				
 Total solution Improving energy efficiency all over the factory & plant all equipped with MIURA products achieving one-stop maintenance 	 ② BWMS Obtaining USCG type approval Taking full advantages of our technology, maintenance, and customers' trust in MIURA 			
	Overseas			
 Deployment of our Japanese business model 	2 Coal-fired boiler replacement in China			

- Appealing advantages of MI system and suggesting energy-saving boiler system
- Globalizing MIURA boiler while increasing installation



 Introducing gas-fired boiler technology in Japan to meet legal requirements, which have been tightened, on the fuel

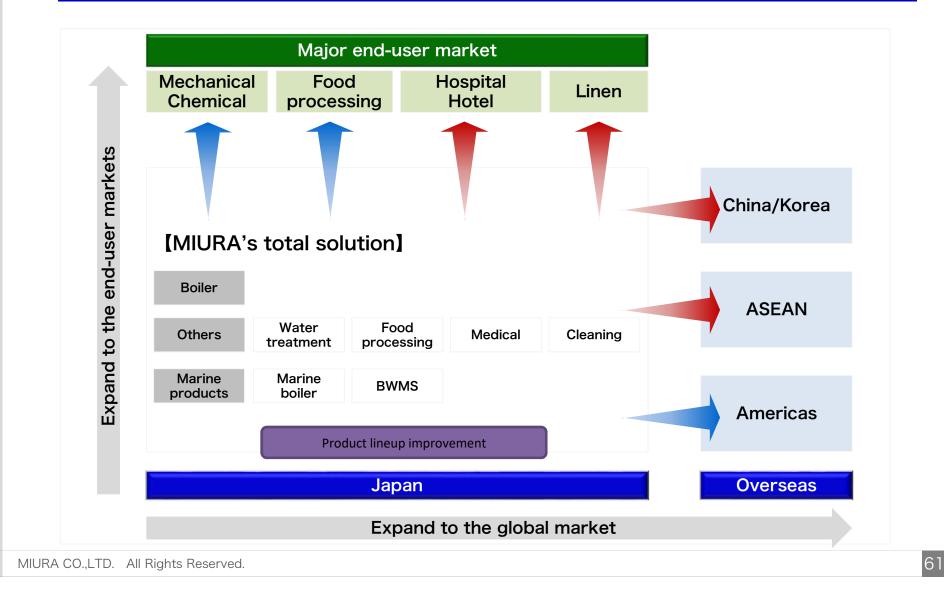
shift from coal to gas regarding serious air pollution in China

• Expanding maintenance network to provide maintenance as in Japan

Basic Capital Policy



Improve the product lineup, and develop solutions for the major end-user markets. Aim to expand to the overseas markets.



The Best Partner of Energy, Water and Environment

MIURA

Contact

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