# Financial Result and MIURA Growth Strategy

Daisuke Miyauchi Representative Director, President & CEO MIURA CO.,LTD. May 21<sup>st</sup>, 2019 (Tue)

The Best Partner of Energy, Water and Environment



## Contents

1	Company Profile	3
2	FY2018 Summary Overview	5
3	Profit Share and Stock	16
4	Mid-Term Management Plan for 2019	18
5	Maintenance Business	23
6	Current China and Future Strategy	37
7	Information on Our 60 Year Commemorative Fair	55

#### **Attention**

The future prospects of the business results, etc., described in this financial report are based on the information that the Company has acquired as of the announcement date of the report, and there is a possibility that actual business results will be materially different due to various factors. Please note that although the Company has made continuous efforts to ensure the accuracy of the content of this document, we assume no responsibility for any damage arising from use of this data.

## 1. Company Profile



## 1

## **Company Profile**



Name	MIURA CO.,LTD.		[ Consolida	ated Net	Sales ]
Location	7 Horie, Matsuyama, Ehime	Unit: million JPY	■ Overseas	<b>■</b> Japan	
Established	May 1959	150,000	124,883	138,880	144,000
Group	Japan: 10	125,000		25,755	28,500
COMPANY (MIURA CO.,LTD. included)	Overseas: 15	100,000	23,140		115,500
Employees	Group total: 5,726	75,000	-	113,125	
	(1,664 employees overseas included) (29%)	50,000	101,743		
Business	Manufacturing, sale, and maintenance of equipment	25,000			
Rating	"A" maintained as of October 2018	0 -	10.0	70.0	20.40
	(publicized by Rating and Investment Information, Inc.)		18/3	19/3 (F	20/3 Plan)

<ifrs></ifrs>	FY2017 result	FY2018 plan	FY2018 result	FY2019 plan
Sales revenue (million JPY)	124,883	137,000	138,880	144,000
Operating profit (million JPY)	13,868	15,200	16,682	17,500
Profit before income taxes (million JPY)	14,183	15,700	17,130	17,800
Profit attributable to owners of parent (million JPY)	10,363	11,300	12,280	12,800
Basic earnings per share (JPY)	92.09	100.41	109.10	113.71

## 2. FY2018 Summary Overview



#### FY2018 Summary Overview



Result [Unit: million JPY]

<ifrs></ifrs>	FY2017	FY2018	FY2019 (plan)
Sales revenue	124,883	138,880	144,000
Cost of revenue	75,946	84,369	86,500
Selling, general and administrative expenses	35,551	38,500	40,400
Other income	575	799	500
Other expenses	91	127	100
Operating profit	13,868	16,682	17,500
Profit before income taxes	14,183	17,130	17,800
Profit attributable to owners of parent	10,363	12,280	12,800

## Overview of financial summary

Japan Strong sale of poliers and launary equipment thanks to capital				
Small once-through	Steady sales in food and chemical industries			
Marine business	Steady sale of ballast water management system			

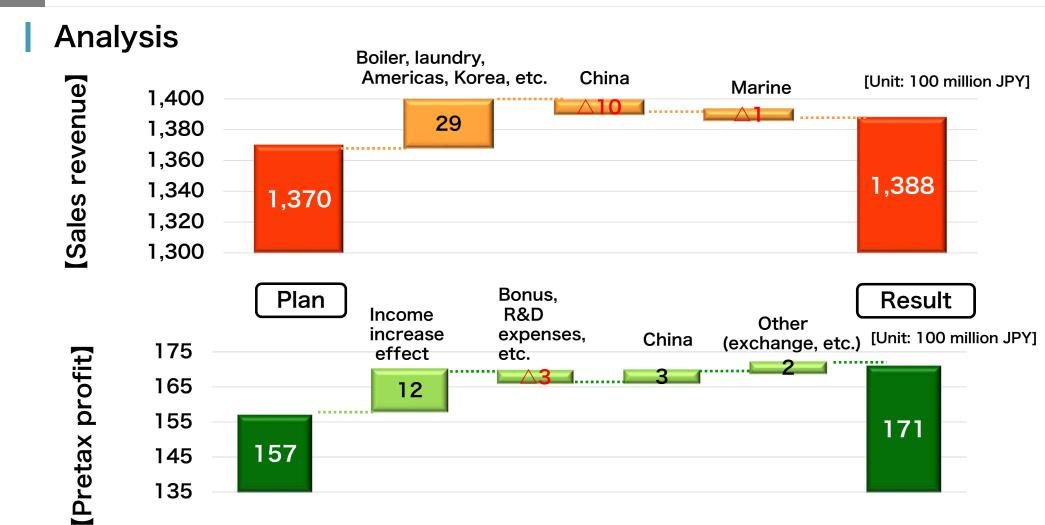
Laundry business Highest sales ever thanks to inbound demand increase

#### Overseas | Staying steady including ASEAN

China Deceleration due to US-China trade war and environmental regulation slowdown

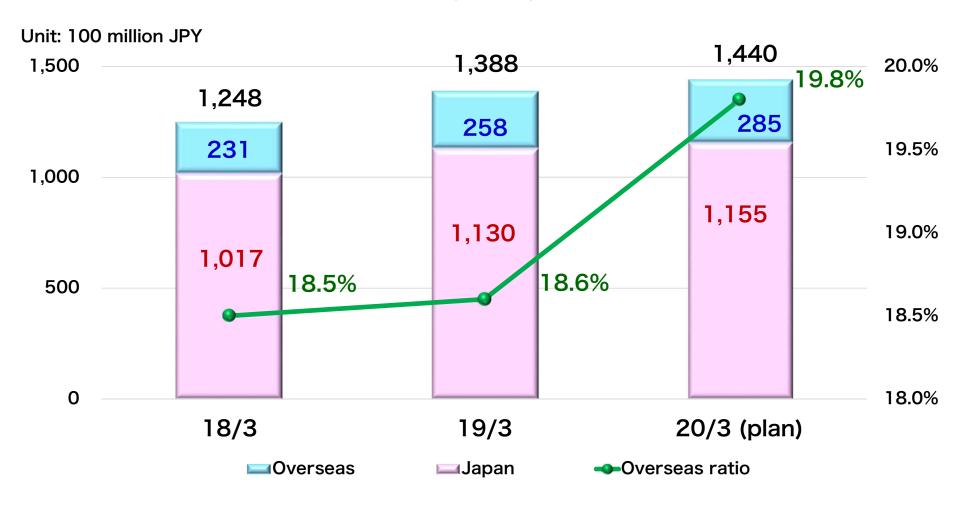
ASEAN, Korea, Americas, etc. Steady sales







## Domestic and overseas sales (IFRS)



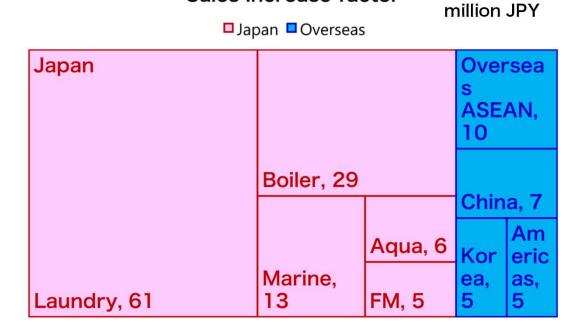


Unit: 100

## Analysis of revenue increase (business section / country)

- ① Laundry business
- 2 Boiler business
- ③ Overseas (ASEAN)

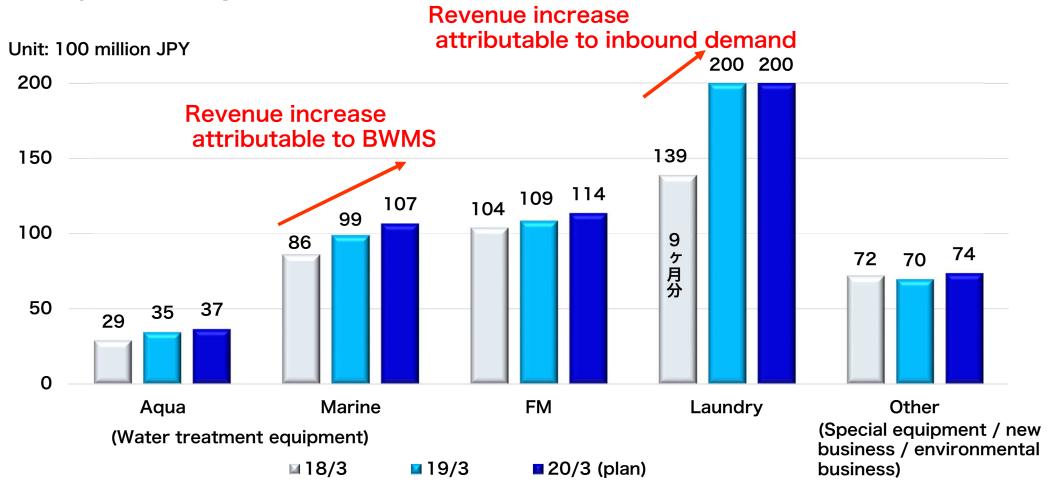
		18/3	19/3	+ or -
Japan	Boiler	588	617	29
	Aqua	29	35	6
	Marine	86	99	13
	FM	104	109	5
	Laundry	139	200	61
	Other	71	70	-1
<b>Overseas</b>	<b>Americas</b>	44	49	5
	Korea	69	74	5
	China	83	90	7
	ASEAN	35	45	10
		1,248	1,388	140



Sales increase factor



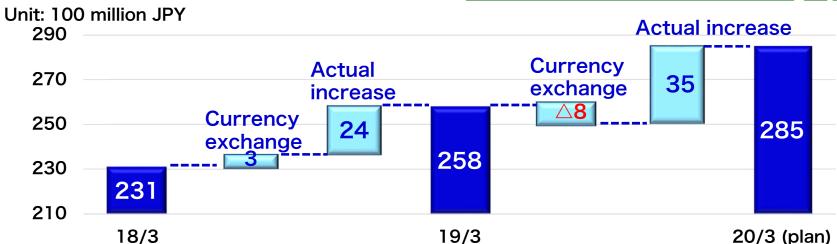
## Analysis of Japan domestic sales





## Analysis of overseas sales increase

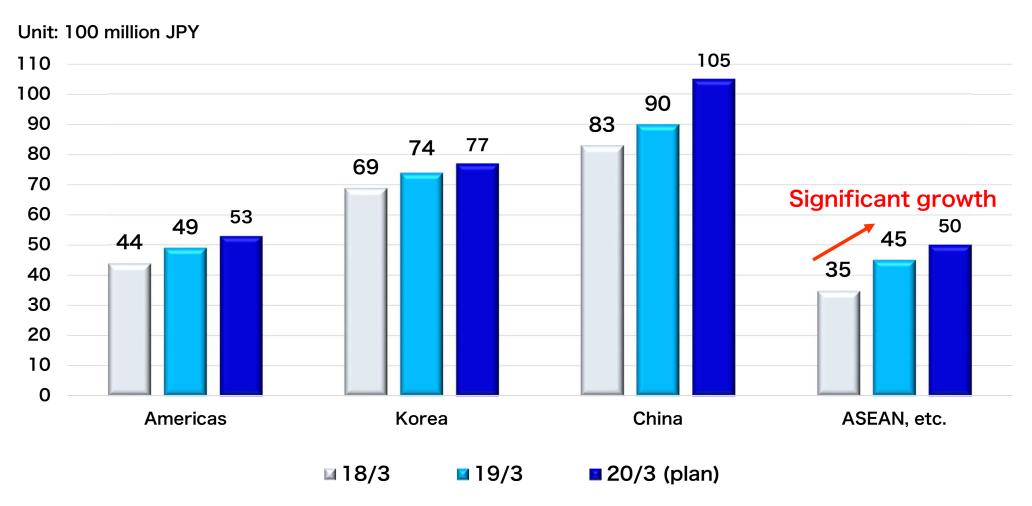
Apart from currency fluctuations, actual overseas sale has largely increased.



Average exchange rate	FY2017	FY2018	Increase rate	FY2019 plan	Increase rate
USD	110.85	110.92	0.1%	109.00	-1.7%
CAD	86.43	84.60	-2.1%	83.50	-1.3%
CNY	16.74	16.54	-1.2%	15.80	-4.5%
WON (100 W)	10.00	9.98	-0.2%	9.80	-1.8%
IDR (100 Rp)	0.83	0.78	-6.0%	0.74	-5.1%
NTD	3.70	3.64	-1.6%	3.50	-3.8%
BRL	34.47	29.37	-14.8%	26.30	-10.5%
ТНВ	3.36	3.43	2.1%	3.30	-3.8%

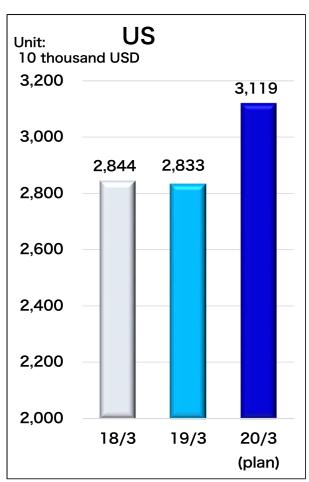


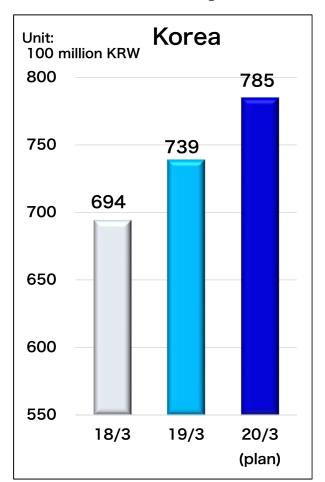
#### Overseas sales

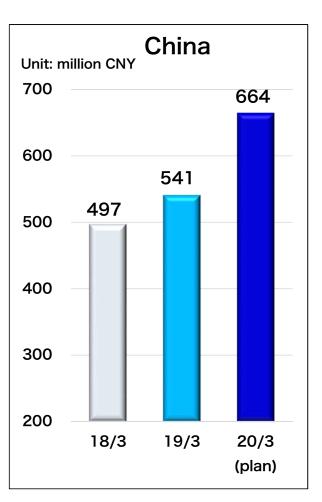




## Main overseas sales (in local currency)



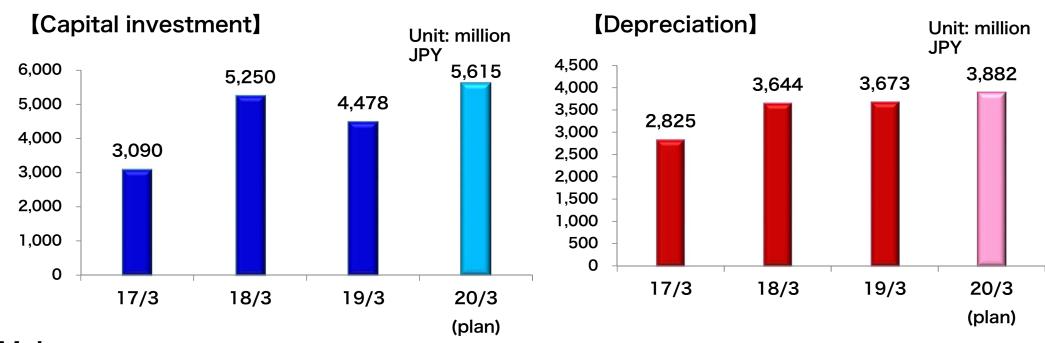




**\*\* MBM became consolidated. Sales between Mexico and Japan is not included from 19/3.** 



## Capital investment

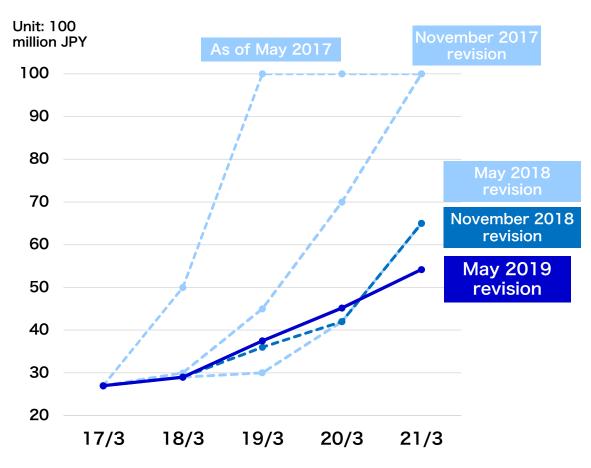


Maj	or	
inve	estm	ent

_	FY2017	FY2018	FY2019 (plan)
	Multipurpose factory	New showroom opening	Second factory in China
	Showroom construction	Second factory in China	
	Air conditioning facility renovation in HQ building		



## Sale plan revision of BWMS



#### **BWMS** installation timing changed

(In service vessels)
During regular inspection from
September 2017

2 year postponement

(In-service vessels)
During regular inspection from
September 2019

**USCG TA obtaining plan changed** 

By March 2018

delay

Application completed, await the approval

## 3. Profit Share and Stock



#### **Profit Share and Stock**



① Sustaining stable dividends

2 Targeting 30% consolidated payout ratio

FY2018

Mid: 14 yen End: 19 yen

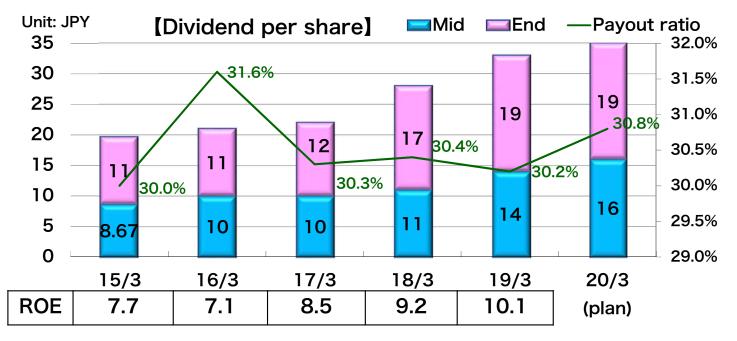
Total: 33 yen

FY2019

Mid: 16 yen

End: 19 yen

Total: 35 yen (Forecast)



#### [Reference]

Total issued shares (treasury stock excluded)
112,573,687 shares

Treasury share 12,717,425 shares

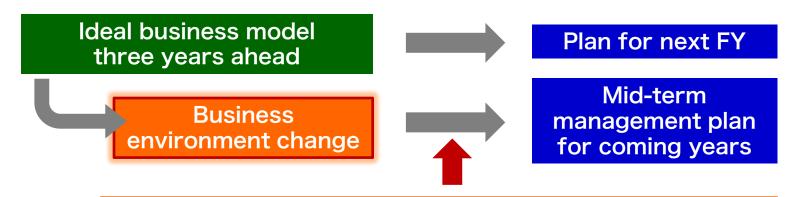
As of March 31, 2019

Management target: Maintaining ROE of 10%





## Mid-term management planning



Annual correction in response to economic fluctuations

#### Rolling plan

To respond to business environment change, MIURA updates its three-year mid-term management plan every year.

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Mid-term management plan 2017	2017-2019				
Mid-term management plan 2018		2018-2020			
Mid-term management plan 2019		2019-2021		:1	



Unit: 100 million JPY

## Summary

	FY2018 result
Sales revenue	1,388
Operating profit	166
Operating profit rate	12.0%

FY2019 plan	FY2020 plan	FY2021 plan
1,440	1,520	1,615
175	185	195
12.2%	12.2%	12.1%





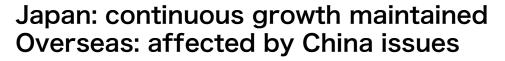


## By business category

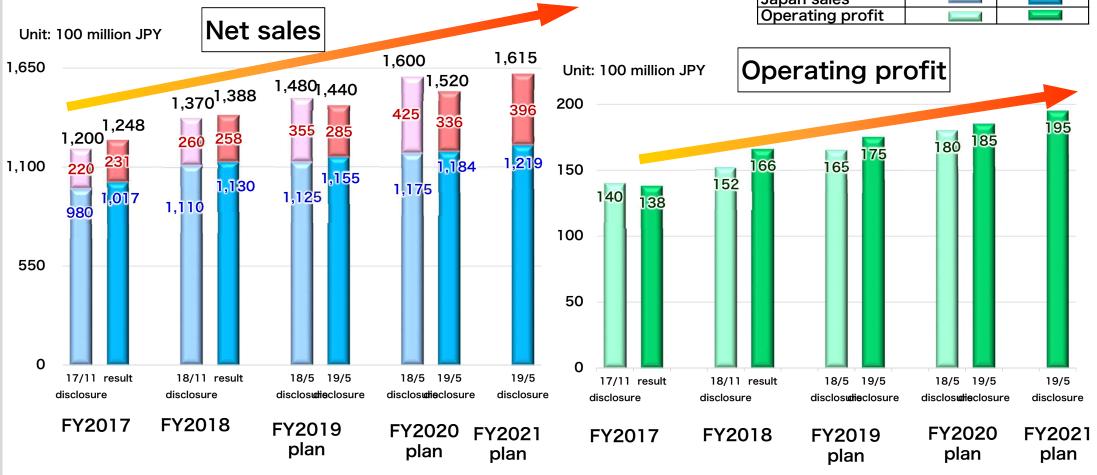
Unit: 100 million JPY

		FY2018 result	FY2019 plan	FY2020 plan	FY2021 plan
Japan	Boiler	617	623	630	646
	Aqua (Water treatment equipment)	35	37	39	42
	Marine equipment	99	107	123	129
	Food & Medical equipment	109	114	119	124
	Laundry equipment	200	200	195	195
	Others (Special equipment, New business, Environmental business, etc.)	70	74	78	83
	Subtotal	1,130	1,155	1,184	1,219
Overseas	Americas (US, Canada, Mexico, Brazil)	49	53	60	69
	Korea	74	77	82	89
	China	90	105	134	169
	ASEAN, etc.	45	50	60	69
0)	Subtotal	258	285	336	396
	Total	1,388	1,440	1,520	1,615









## 5. Maintenance Business

23

## **MIURA's Business Model**

- 1) ZMP contract
- 2 Maintenance system
- **3 Productivity improvement on maintenance**

#### MIURA's Business Model



#### **ZMP** contract

#### History

1972: Fee-based maintenance contract started

1989: Online maintenance started

1997: In-house qualification system introduced

2002: BP (best partner) strategy

2009: Second ZIS Online Center established

2010: ICT-Utilization Year One (strategic data utilization)

2014: Unique disaster assistance tool

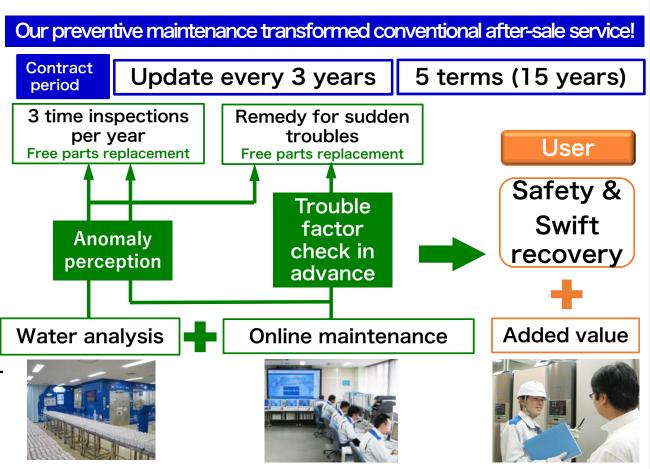
developed

2018: More than 60.000 units in

communication

#### **Maintenance revolution**

- Preventive maintenance based on operation conditions saves energy and labor costs, and increases products' life, enabling low-carbon emission.
- Utilizing ICT, we have been rationalizing maintenance work and anticipating countermeasures against disasters.



Solution business development

MIURA CO.,LTD. All Rights Reserved.

2

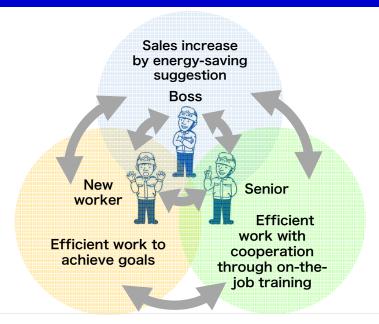


## Maintenance system

#### Manufacturer maintenance

- High-quality maintenance service (training program)
- Smooth parts supply (online management)
- Feedback on product design

#### Trio scheme

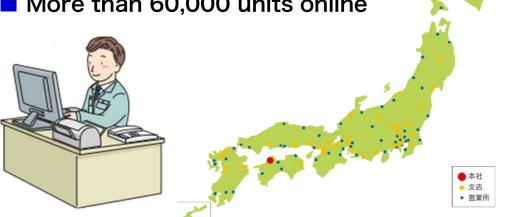


#### Boiler-replacement repeat rate: Approx. 90%

- High customer satisfaction and social evaluation
- Durable connection with customer and virtuous cycle
- Stable management

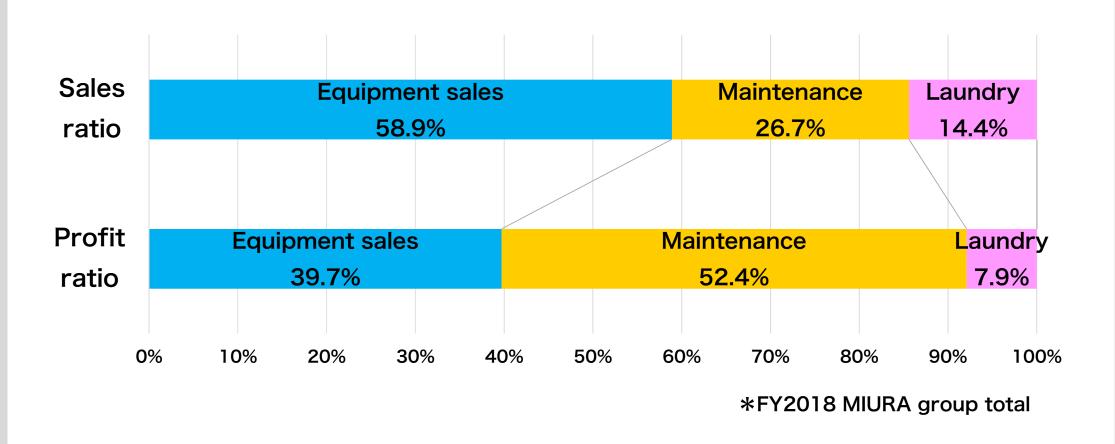
#### **Service offices**

- Approx. 100 offices in Japan
- Approx. 1,100 service engineers
- More than 60,000 units online





#### Profitable maintenance business





## Productivity improvement on maintenance

#### Reforming conventional work

- ■Total optimization
  Improve quality and productivity of work with know-how sharing and prompt response to increase efficiency and reduce overtime work
- Active maintenance for further value Tackling new issues from a customer standpoint
- ■Team MIURA activity
  Words of MIURA's founder
  "Relish the joy of thinking"
  "Ingenuity has no limit"
  "Enjoy being busy"



Strategic positioning
Total strength integrating office and on-site support

Proactive approach and swift resolution to contribute to our customer

[Goal] 30% reduction or increase

#### **MIURA training program**

■Training expenses per employee: 8th in Japan

From "働きやすい会社調査" in 2012 by "日経産業新聞" (Nikkei)

In-house training center (accommodating 120 people max.)
More than 200 training sessions per year
Accepting MIURA employees overseas





In-house qualification system





Practical exam <u>License</u> renewal system

Public qualification holders: 1,070 boiler experts
As of March 2019

#### MIURA's Business Model



#### In-house qualification system on product model handling

5th grader can handle equipment other than

boilers
Aqua/FM/Special

equipment/New business/Boiler Training based on regional characteristics

Performed in unit of each area

Written exam



Practical exam



Passing model handling exam

**Practical exam** 

Only the

qualification

holders can inspect

products!

<u>License renewal system</u>

**Public qualification holders:** 

1,070 boiler experts
As of March 2019

Maintenance step
(advanced)

Maintenance step
(intermediate)

Maintenance step
(elementary)

External lecturer

training

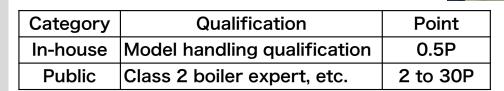
Division training

Training for selected leaders of new generation

- Offering solutions
- Cultivating subordinates
- Interviewing
- Solving problems, etc.

Acquired maintenance point return to salary and position

→ Highly expertized maintenance staff



STEP2~STEP4

Newcomer (STEP1)

Basic training
Up to 4<sup>th</sup> grader
to learn boiler basics

To win the trust of customers, enhance our "Technoservice"



#### Productivity improvement on maintenance

#### **Utilizing ICT**

Electronic reportUsing tabletsMovie manualVoice input system







■In-house big data utilization





Wild (1) L - Wardows Miles and	Explorer			F/F(0)
HW.	Conflide	WEST LINE	11171 GAME   11	day weren
* a				
A 801 11	社会等	26.6 CH44	604	
BONNANN DE			MANAGE NA MARKE	
Et un				R M1 W1
0.4	_			E VE NA
\$1000 E	E M	APAL		-
ACCUSATE OF	- FI	ergy	,	
2.0	_	,		
	0.0	wing		
	50	aving		
	nrn	nnes	וג	
	PIU	posa	<b>21</b> .	
			•	
	- 6	etc.		
	,	JLU.		
85				44 - 410x -

## Performing planned maintenance & improving work efficiency

Online maintenance Remote monitoring / In-house development of mobile modem

Much more effective, easier maintenance work







GIS system Prompt support proven in the western Japan heavy rain disaster in July 2018



## **Maintenance Business**

- 1 BP (Best Partner) Strategy and C&A Activity
- 2 Total Solutions and One-Stop Service
- 3 MR (Mixed Reality) Technology Utilization
- 4 Leap to Super Maintenance Company



## BP (Best Partner) Strategy and C&A Activity

#### **Technoservice C&A activity**

C: Communication

A: Advance (evolution)

- Rapid information sharing with ICT New product development using communication data New solution proposal Product document enrichment
- ■BP report grade-up project
  Accompanying the person in charge, general managers visit the customers to provide comprehensive solutions that improve efficiency by analyzing inspection results and management data.
- Training system to improve maintenance quality Human resource development to meet customer's demand and to utilize advancing technology

#### Love people, not things

~ Technoservice ~

"Techno" means the technology conducive to our customers.

"Service" means that "I" can gain trust and affection from our customers.

"Techno-Service" is made of these two factors.

Engaging in face-to-face communication with our customers, we work together to find solutions to the problems that our customers face.

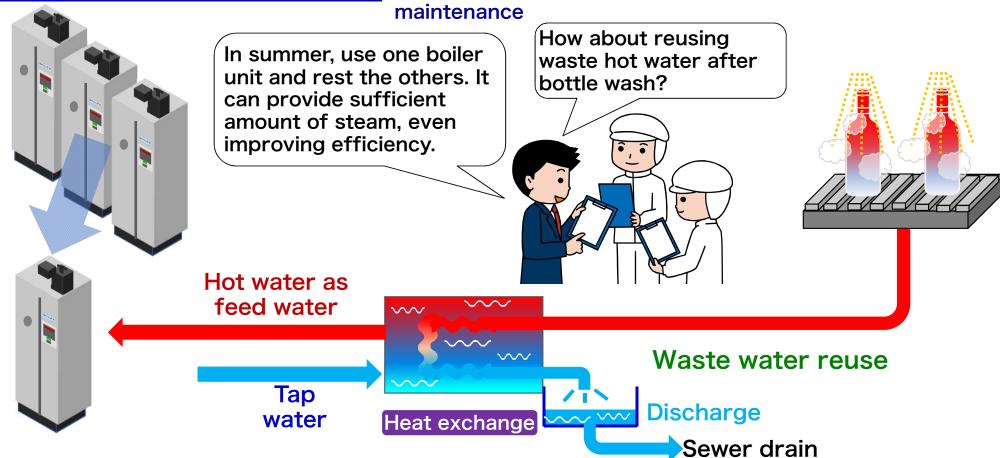
Each and every MIURA Group employee delivers the finest "Technoservices" possible.



#### **BP (Best Partner) Strategy and C&A Activity**

Appropriate solution proposal

Maintained boiler efficiency → CO<sub>2</sub> emission reduction Heat/water loss reduction → Environmentally friendly



MIURA CO.,LTD. All Rights Reserved.

33

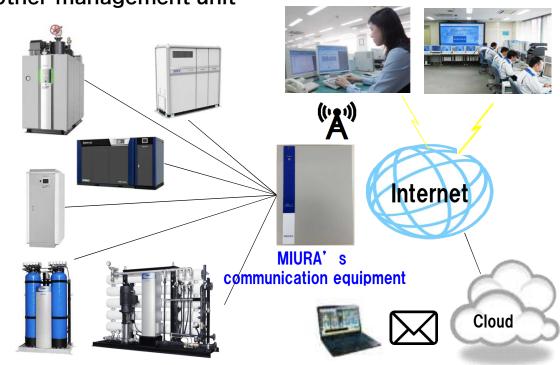


## **Total Solutions and One-Stop Service**



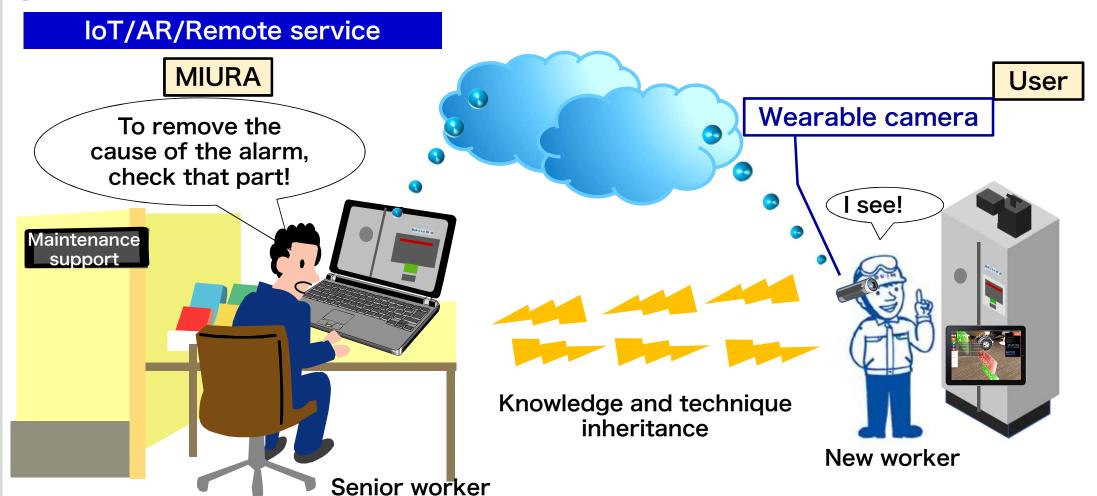
#### MEIS CLOUD®

■Energy information management function using cloud Low cost energy management system to establish and improve factory total solution business model, without other management unit





## MR (Mixed Reality) Technology Utilization





## Leap to Super Maintenance Company

All MIURA departments share detailed information worldwide for total solutions

In each country

Training plan

In-house model
handling exam

Qualification holders
can inspect products
as same as in Japan.

Technical capability enhancement

Overseas maintenance business enhancement

Maintenance training in Japan (SDC, etc.)

## China

Korea

- Training center construction
  To increase energy saving proposal capability
  based on boiler diary and load analysis
- Thorough water quality management
  Water treatment management leaders allocated to
  each branch to give specific instructions regarding
  water quality anomaly

· · · to achieve active maintenance!

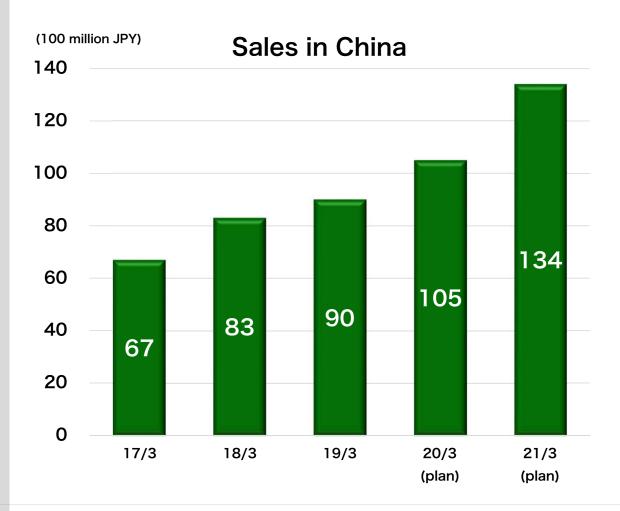
# 6. Current China and Future Strategy

Yoshihiro Kojima Director of Asia Business Headquarters Executive Managing Officer

# FY2019

# MIURA

### Sales



# Reasons for deceleration of FY2018 result

- (1) China-US trade war
- 2 Environmental regulation slowdown
- 3 Winter-time gas-shortage anxiety

#### Forecast of FY2019 and after

- ① Gas shortage unlikely to happen
- 2 Gradual tightening of environmental regulation
- 3 Trade war unsettled

Solutions for PM2.5+Low NO<sub>X</sub> regulation



### Reasons for Result Deceleration in China

**US** trade war



Environmental regulation slowdown



Winter-time gasshortage anxiety

Revenue worsened / large economic blow

Sluggish economic activities / bankruptcy of companies / sense of economic downturn



### Loosening environmental regulations

(Decision by local government, delegated from central government)



Ban on coal-fired boiler and wood-pellet boiler use was postponed in gas shortage areas

### Local government

Permission for new installation of woodpellet boilers (other than urban areas)



Postponement or cancellation of replacement with gas-fired boiler in China: 3,026 units

#### **Boiler market**

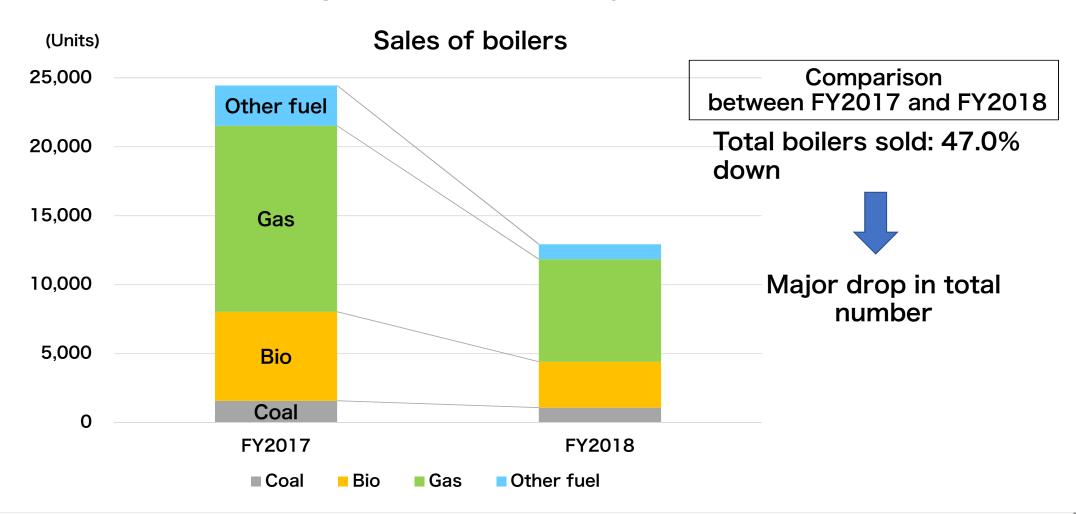
Adoption and replacement with wood-pellet boiler increased



Our loss in China: 279 units

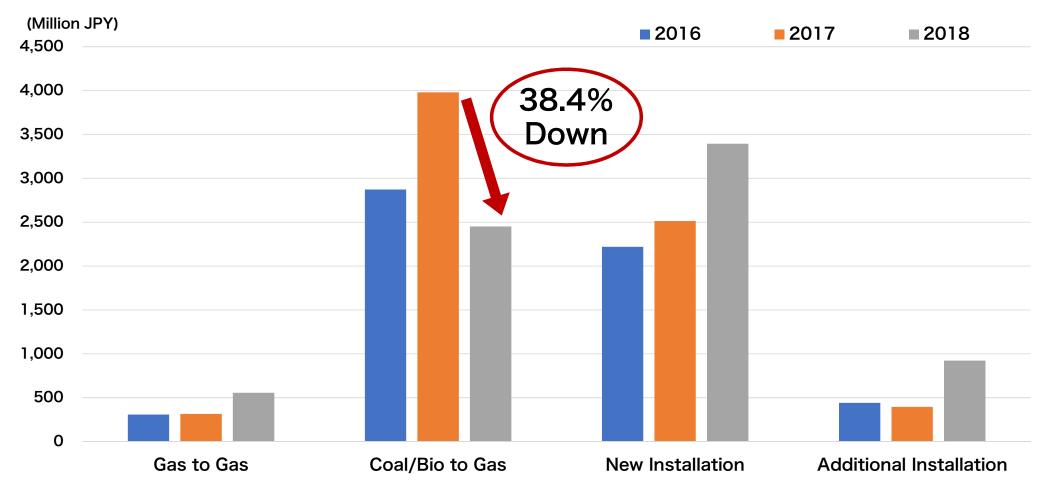


## Boiler Market Change in China (January to December)





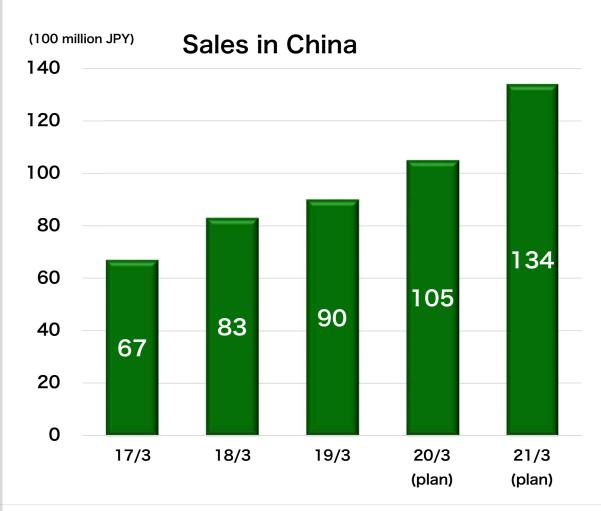
# Analysis on MIURA Boiler Installation Category



# **Future Outlook and Strategy**



### Sales



### Forecast of FY2019 and after

- ① Gas shortage unlikely to happen
- 2 Gradual tightening of environmental regulation
- 3 Trade war unsettled

### **Strategy**

Solutions for PM2.5+Low NO<sub>X</sub> regulation

### **Target**

Business not affected by trade war such as food industry, pharmaceuticals, corrugated cardboard manufacturers, feed industry



### **Economic Trend Forecast of China**

Gas shortage unlikely to happen



Gradual tightening of environmental regulation



Central government economic measures (Value added tax: 3% reduction)



### FY2019: Boiler market recovery + tax reduction effect



Environmental regulation by judging economic situation in each area



Gradual recovery of NOx regulation

Local government

Ban of wood-pellet boiler use



Replacement with gasfired boiler increases

**Boiler market** 

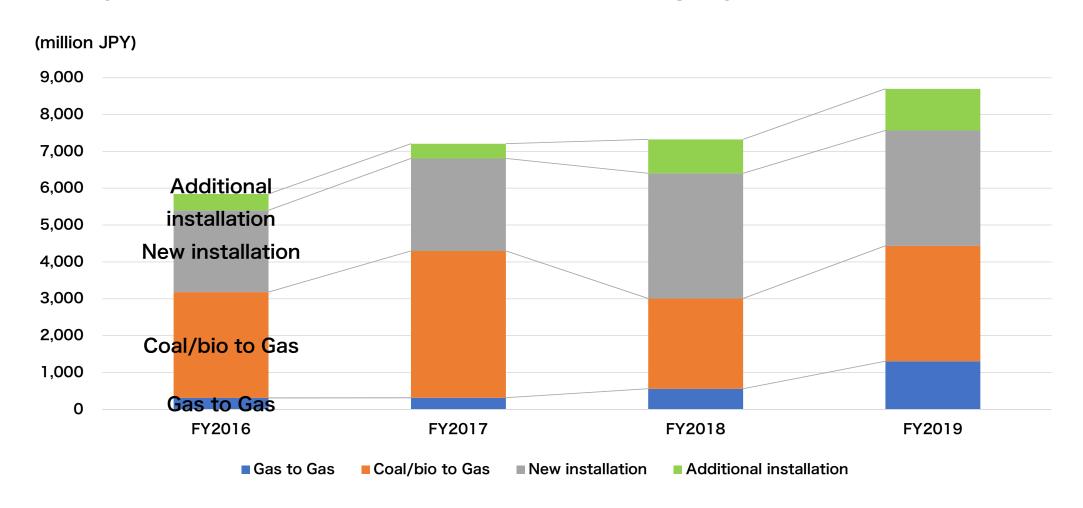


Wood-pellet boiler replacement increases

### **Future Outlook and Strategy**

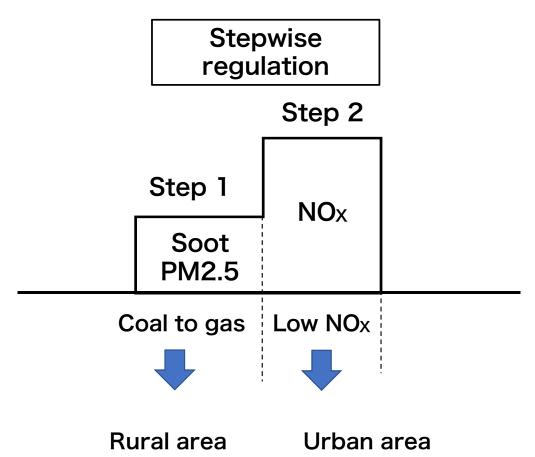


### Analysis on MIURA Boiler Installation Category



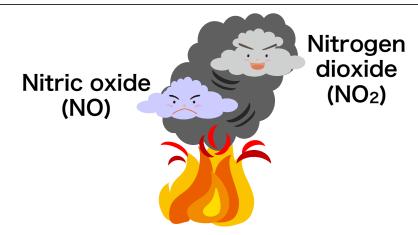


# Two-Step Environmental Regulation



<NO<sub>X</sub> (Nitrogen oxide) >

Compounds such as nitric oxides and nitrogen dioxides, produced from the reaction among nitrogen and oxygen during combustion at high temperatures



Nitrogen dioxide (NO<sub>2</sub>) at high concentrations causes harmful effects on human respiratory system.



### Meeting Environmental Regulatory Requirements (Example of New Factory)

Construction smoothly ongoing even under strict environmental regulations



Green sheet to prevent scattering dust

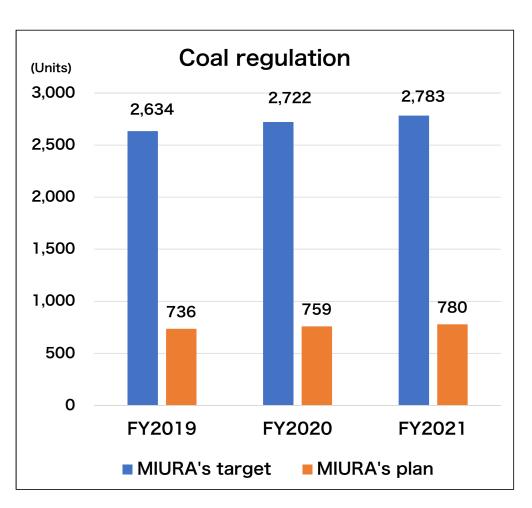


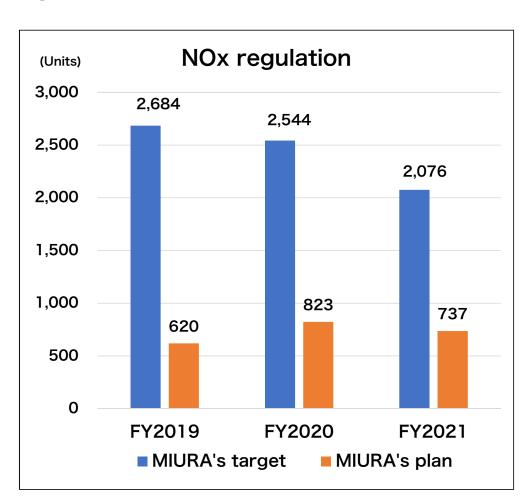
Environment monitoring device onsite:

If the value exceeds the value specified in Suzhou, the construction must be suspended.



### Boilers Related to Environmental Regulations from 2019 to 2021

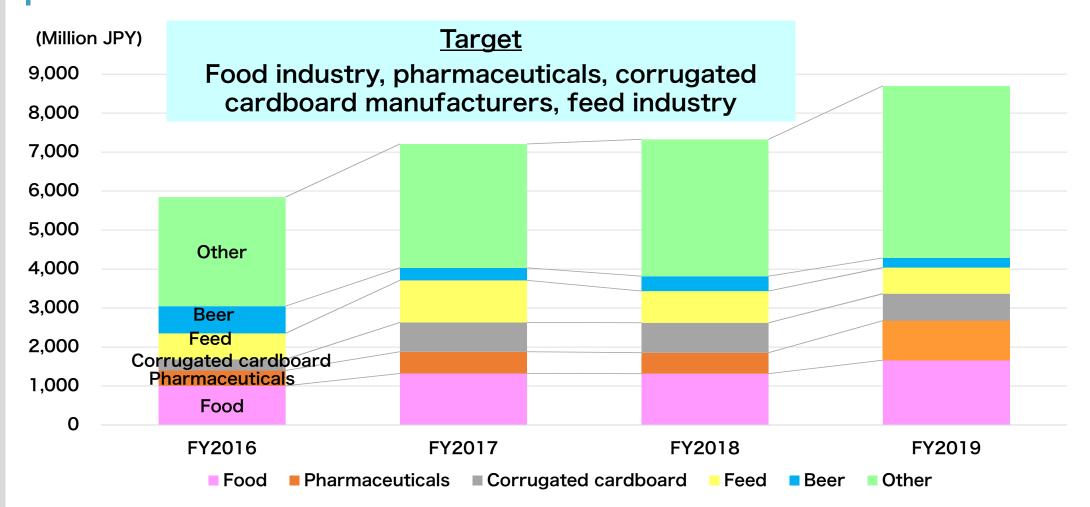




### **Future Outlook and Strategy**



### Boiler Market in China (Industry Analysis)





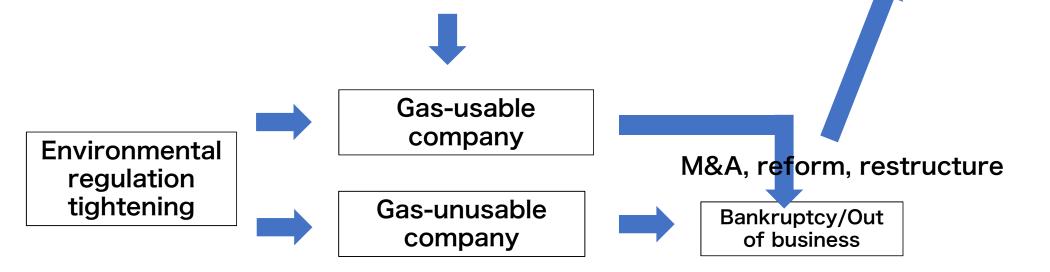
# China's Support Measures

#### Measures

- **1)VAT 3% reduction**
- **②Financial support (but no lingering support)**
- **3Subsidy** Coal to gas···300 to 500 thousand yen per ton Burner replacement···100 thousand yen

# Capital investment increase

New installation, additional installation



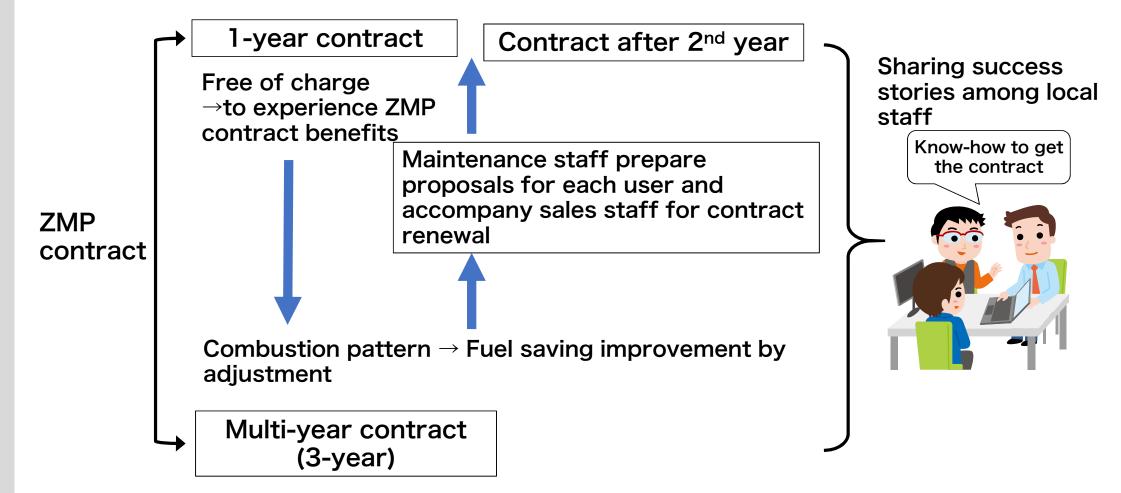


# Regional Strategy

Area	Environmental regulation	Current condition and strategy
Shanghai city/ North China/ Shanxi province	Low NOx regulation tightening	<ul> <li>Burner replacement</li> <li>Replacement promotion</li> <li>Energy saving proposal based on load analysis and diary analysis</li> </ul>
Northeast China (Dalian city)	Postponement of coal-fired boiler ban	Gas pipe line from Russia may be connected in October  →Environmental regulation tightened?
Guangzhou city, etc./ South China	Postponement of wood-pellet boiler ban (until 2021)	<ul> <li>New installation and replacement increase among large companies</li> <li>Food processing factory increase</li> <li>Bio fuel regulation welcomed</li> </ul>
Western China	Low NOx regulation tightening	Investment remaining strong due to One-Belt- One-Road initiative Gas-movement finished in urban area

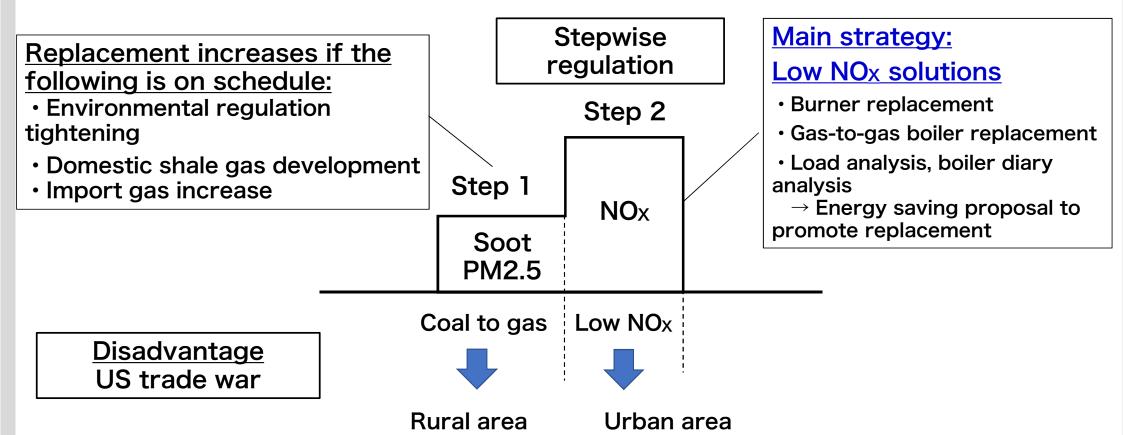


## Strategy to Win Much More Maintenance Contract





# Two-Step Environmental Regulation



# 7. 60 Year Commemorative Fair



### 60 Year Commemorative Fair



### **MIURA Fair Invitation**

Tokyo

Date: August 1st, 2019 (Thu)

Venue: Makuhari Messe International

**Exhibition Hall 9** 

Pre-registration is required to attend the fair. If you wish to visit our fair, please put your business card into the "フェア参加希望受付" box today. If you make up your mind after today, please contact the following.

<Inquiry for your visit>

Tomoko lwata

Management Planning Department of MIURA CO.,LTD.

7 Horie, Matsuyama, Ehime 799-2696

TEL: 089-979-7045 FAX: 089-979-7011

E-mail: iwata tomoko@miuraz.co.jp



We will showcase many total solutions from a range of products and services to the latest in technology, full of ideas with heart!

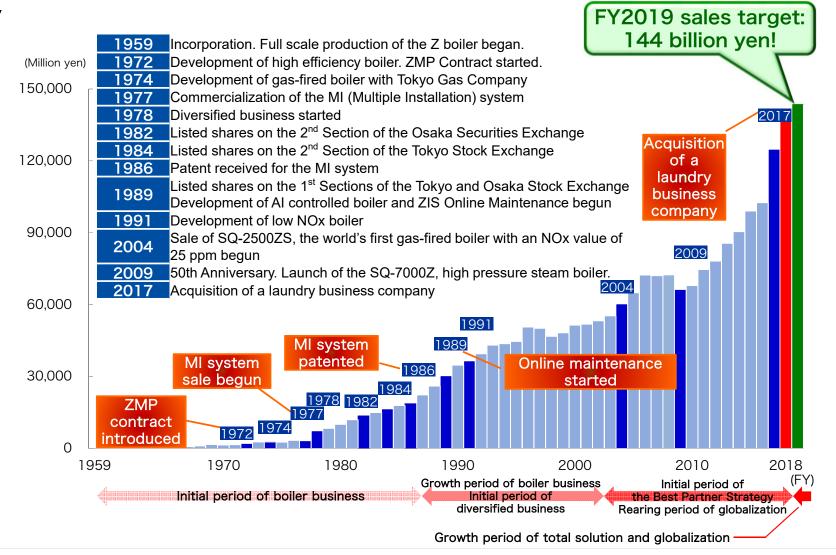
# Reference

熱・水・環境のベストパートナー
MiURA

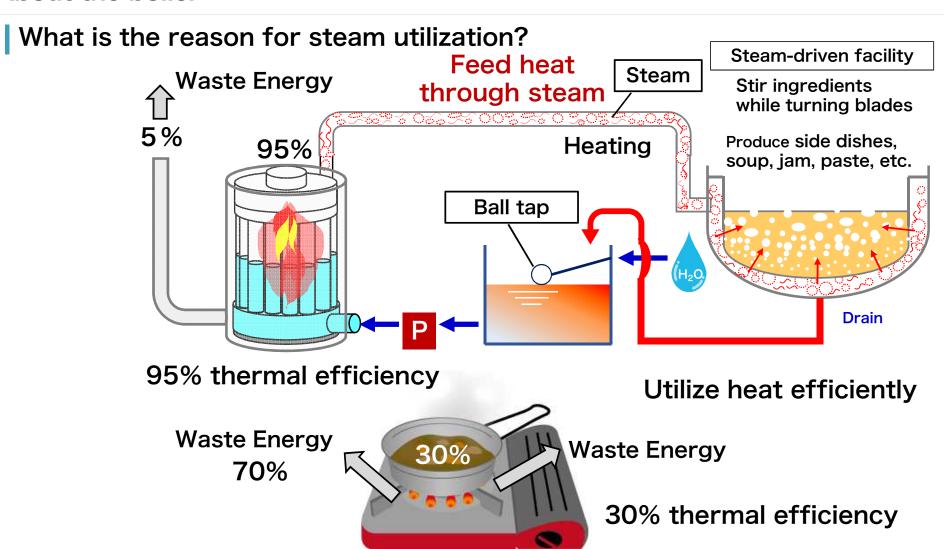
#### **MIURA Business Model**



### History

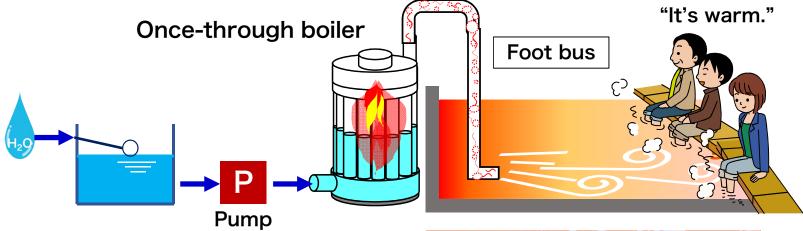








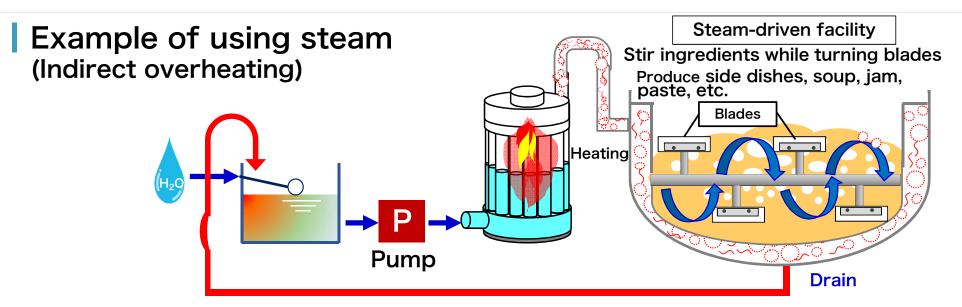
Example of using steam (Direct heating)

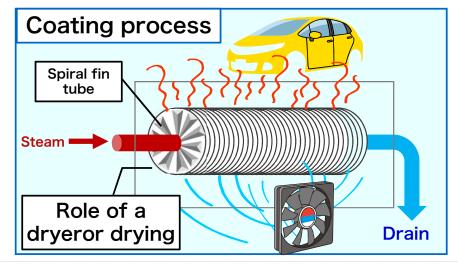


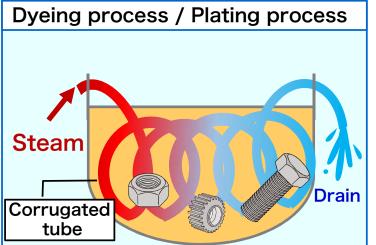




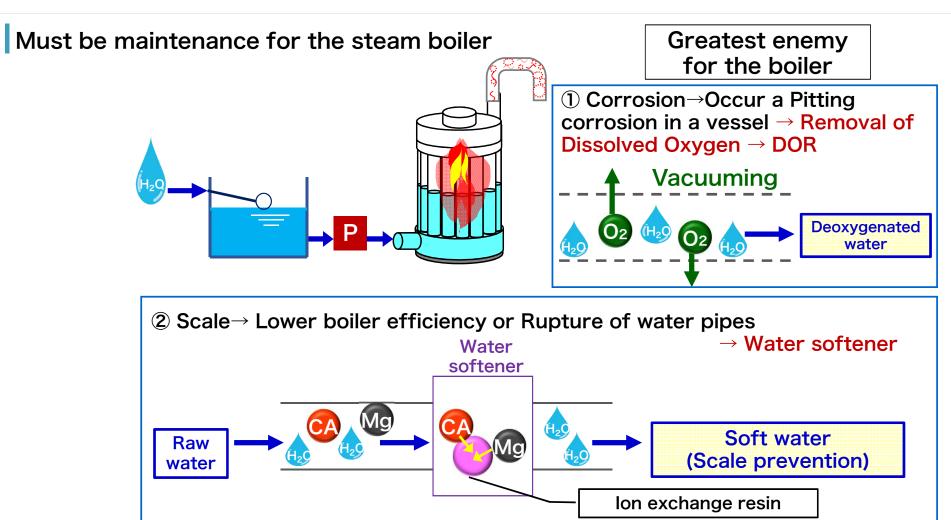






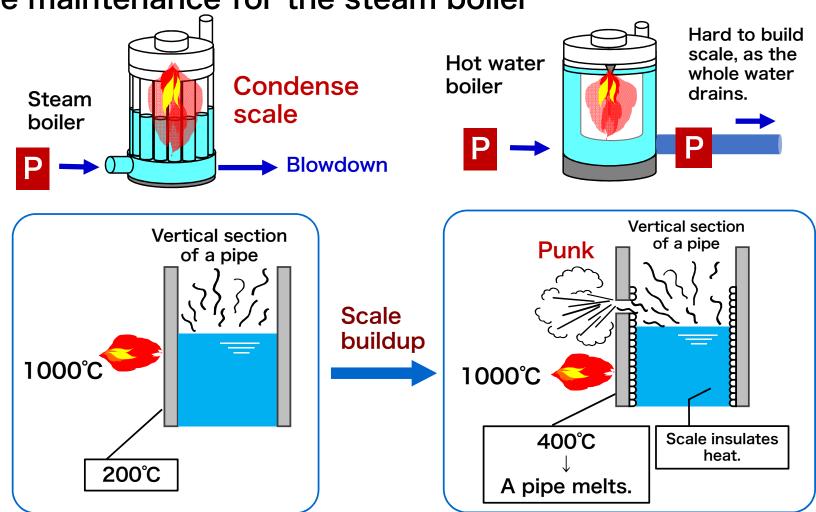








### Must be maintenance for the steam boiler



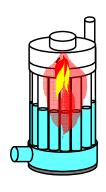
### Type of Boilers

# MIURA

# Types of boilers — Same capacity

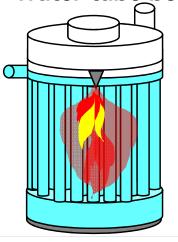


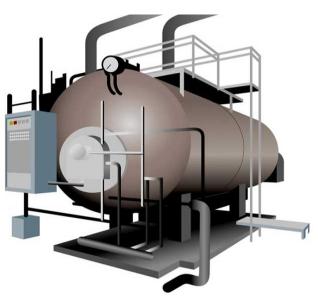
Once-through boiler



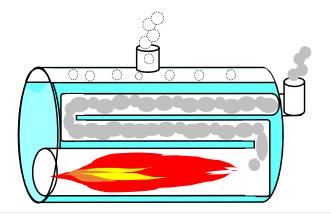


Water tube\_boiler





Fire tube boiler

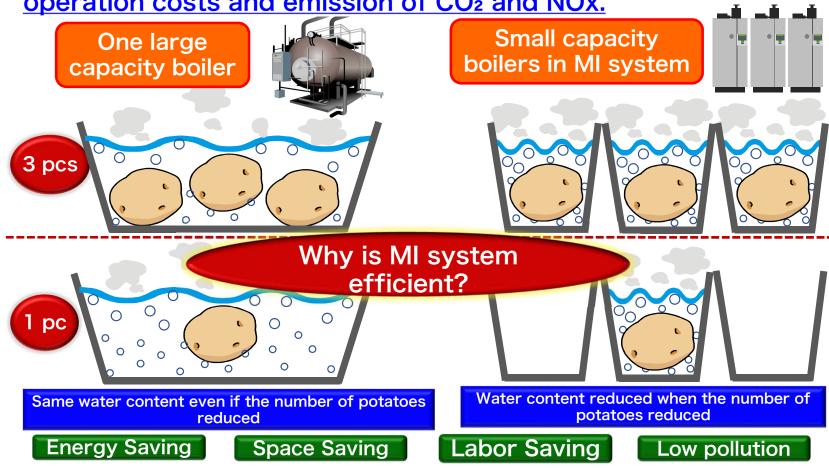


### What is Multiple Installation (MI) System?



### MIURA MI (Multiple Installation) System

Provides steam of required amount when needed, reducing operation costs and emission of CO<sub>2</sub> and NO<sub>x</sub>.



### 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.





- Energy-saving
- Space-saving
- Labor-saving
- Low pollution

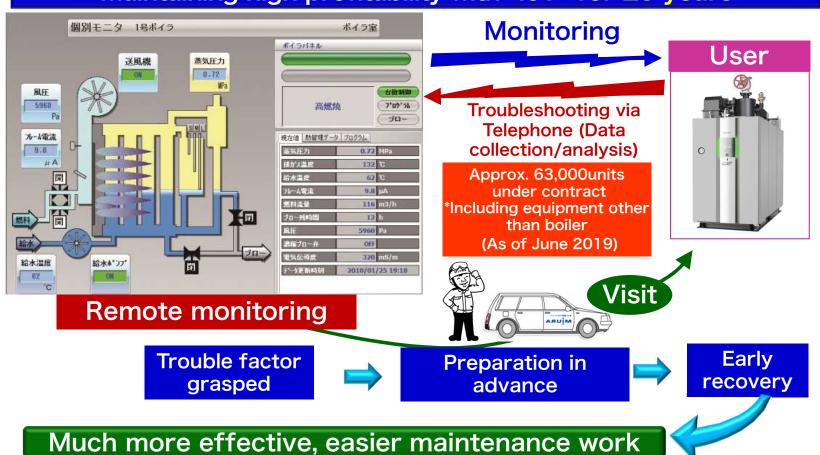
Provide steam when needed and only when needed, low operation costs and reduction of CO<sub>2</sub> and NOx.

#### **ZMP Contract**



### Online Maintenance

### Maintaining high profitability with "IoT" for 29 years



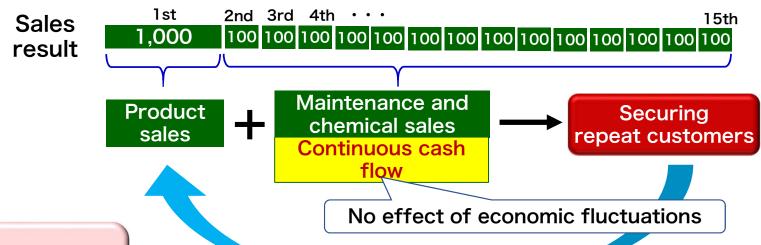
#### **ZMP Contract**



### Boiler Lifespan and MIURA Business Model

Not only the product sales, but maintenance & consumables sales

Assuming a boiler has a lifespan of 15 years,



High quality product

Reliable maintenance

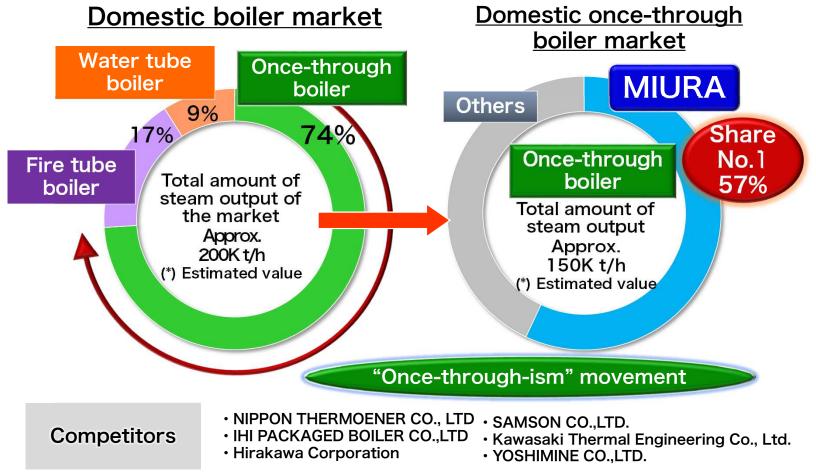
Additional sales of MIURA products other than boiler

Good relationship with customer



Domestic share

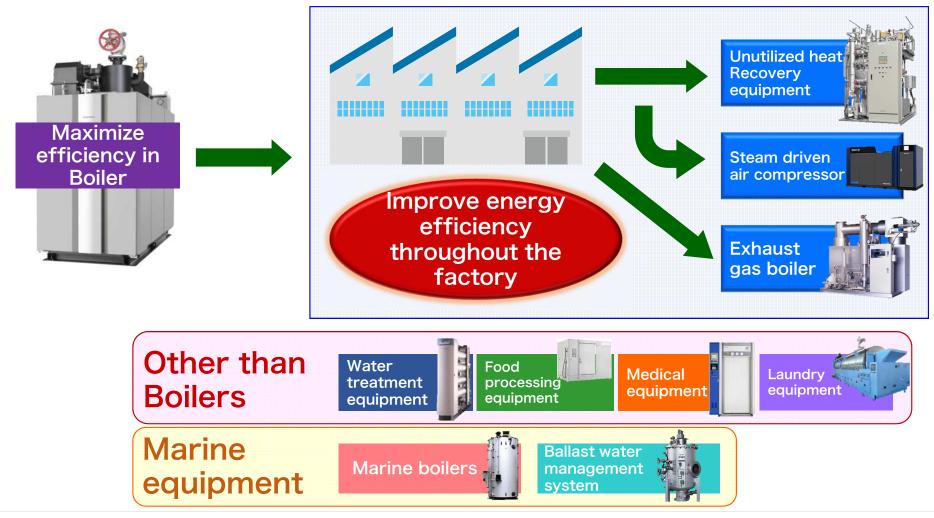
\*Boilers for power generation excluded (Based on an in-house investigation, September 2017)



(Note) The share of once-through boilers is based on MIURA's investigation and the actual results may differ from that.



## What will we offer for the matured market in Japan?

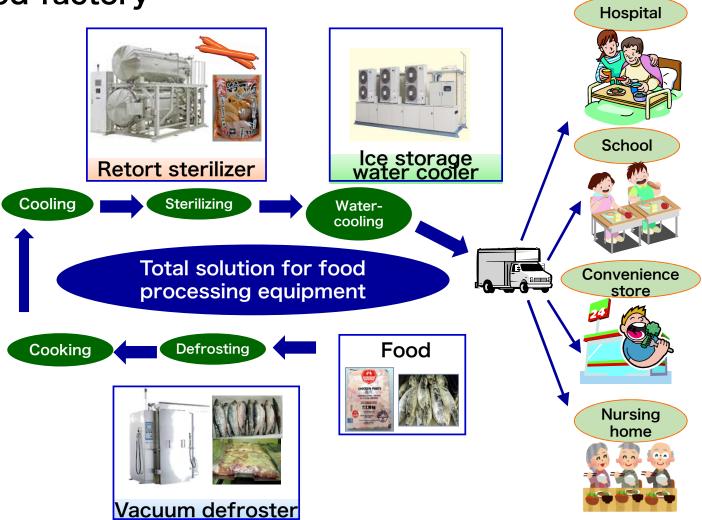




# Total solution in food factory



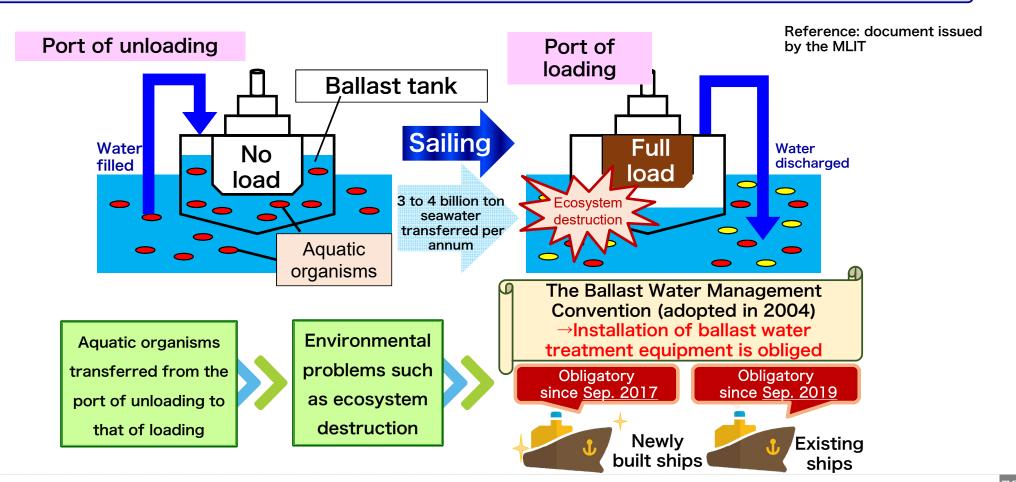






### Ballast water problem "A new market born"

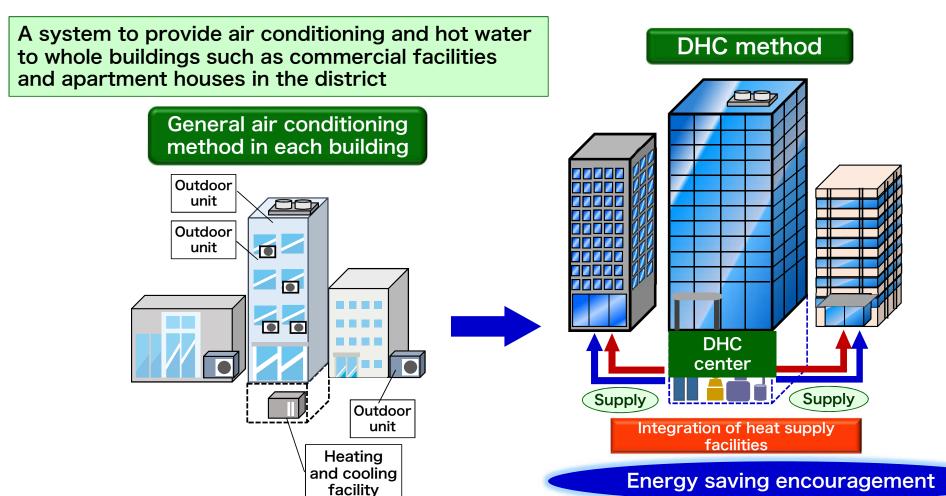
"Ballast water" is the seawater taken into a ship's tank to provide stability to the ship.



### Domestic strategy <District heating and cooling using once-through boiler>



# What is a district heating and cooling (DHC) system?

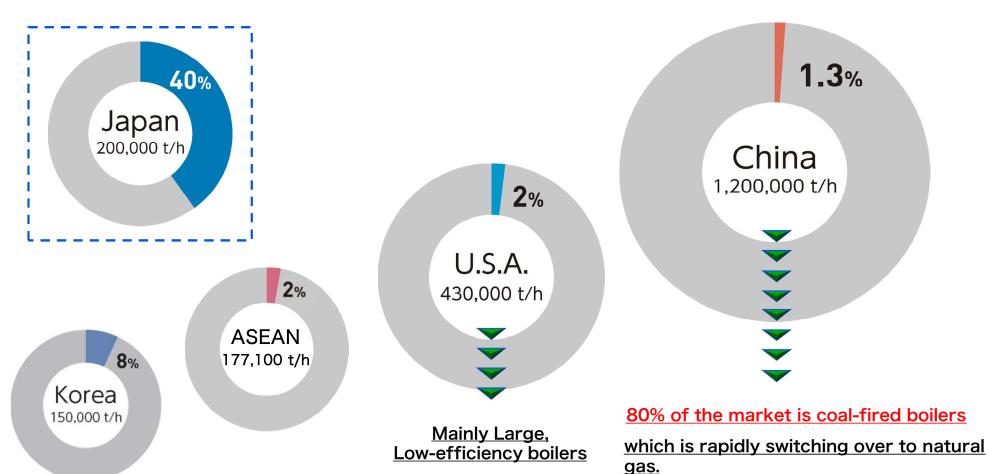


### **International Sales Strategy**



### Boiler market share

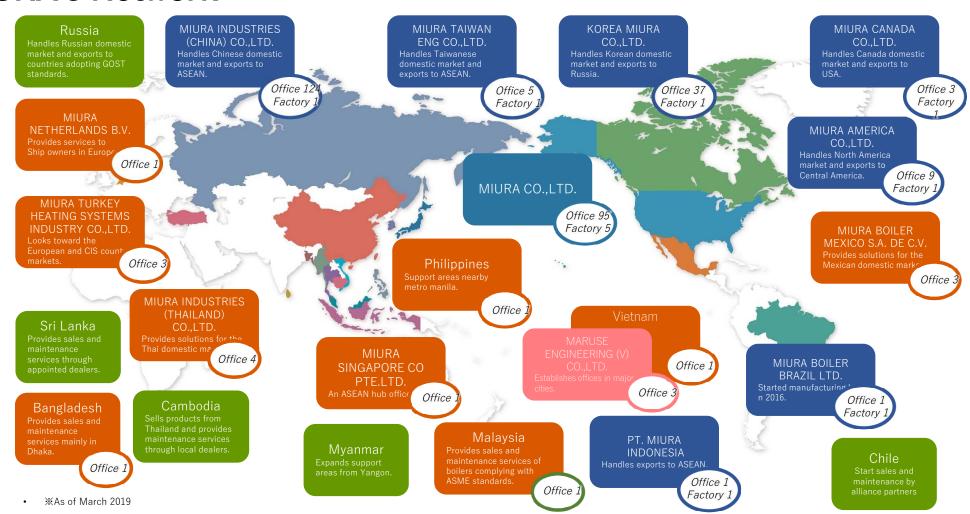
\*Based on total amount of steam output (Based on an in-house investigation, March 2018)



### **International Sales Strategy**



### MIURA's Network



#### **Current Business in China**



### Intensified competition

Sales unit price dropped due to intensified competition



Training center (200 people capacity) construction is planned!

Sales persons and maintenance persons gather and take appropriate training there.

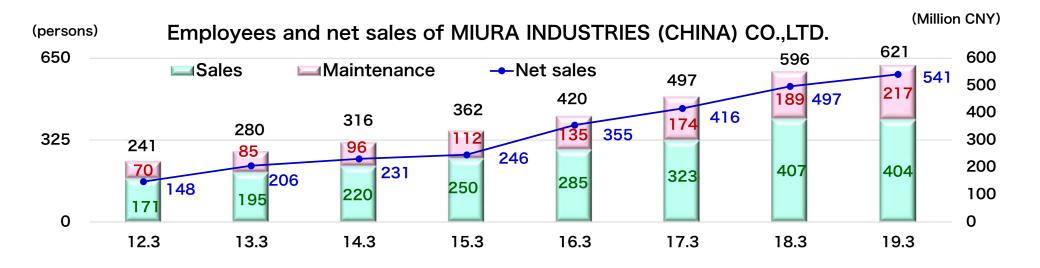


Several-year recovery by maintenance

Appeal of running cost advantages



- Human resource development
- Know-how to utilize boiler operation report, load analysis, etc.

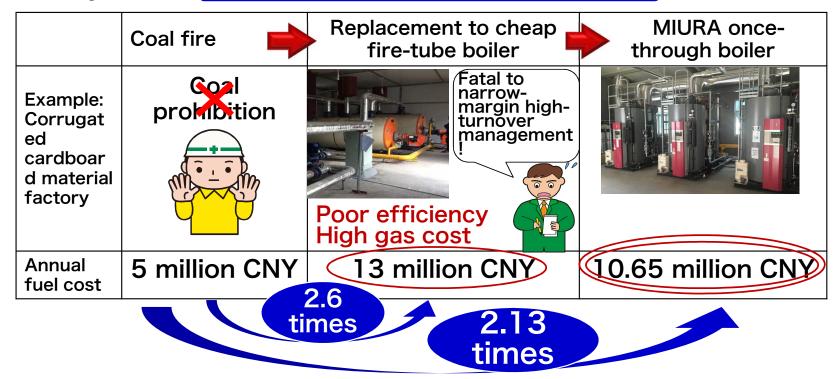


### **International Sales Strategy**



### Future Prospect

**Gas-to-gas replacement promotion** 



High efficiency and performance appreciated distinguish and differentiate MIURA!



Leading to another project in the same region in the same industry



# **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 Return on Equity (ROE) of 10% or more 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 consolidated dividend payout ratio of 30% as a benchmark and comprehensively taking our consolidated results and financial conditions into account.

### **Basic Capital Policy**



#### **Domestic**

- 1) 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**

- 1) Deployment of our Japanese business model
- Appealing advantages of MI system and suggesting energy-saving boiler system
- Globalizing MIURA boiler while increasing installation

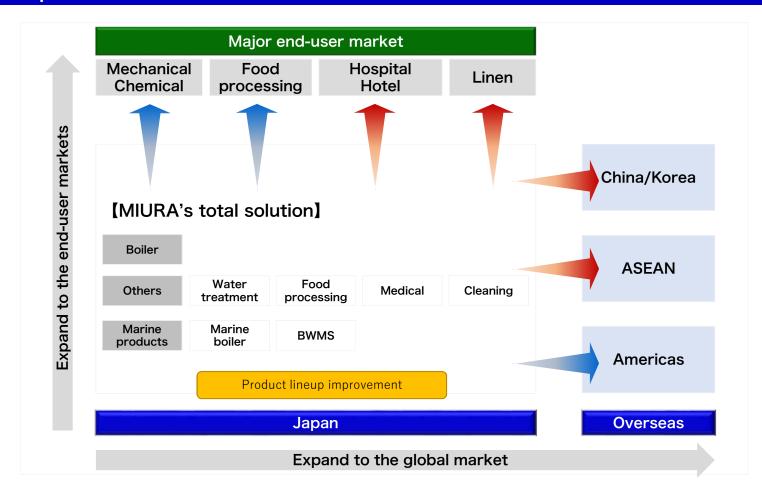


- 2 Coal-fired boiler replacement in China
- Introducing gas-fired boiler technology in Japan to meet legal requirements, which have been tightened, on the fuel shift from coal to gas regarding serious air pollution in China
- Expanding maintenance network to provide maintenance as in Japan

### **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



#### Contact

Management Planning Department MIURA CO.,LTD.

TEL 089-979-7045

FAX 089-979-7011

URL http://www.miuraz.co.jp