# **MINExpo 2016**

KOMATSU



KOMATE

Rod Schrader, Chairman and CEO Komatsu America Corp

## Komatsu Business Results 1Q 2016 (April – June)

### Sales and Profit

**JPY15.5** billion

KOMATSU

% : Profit ratio

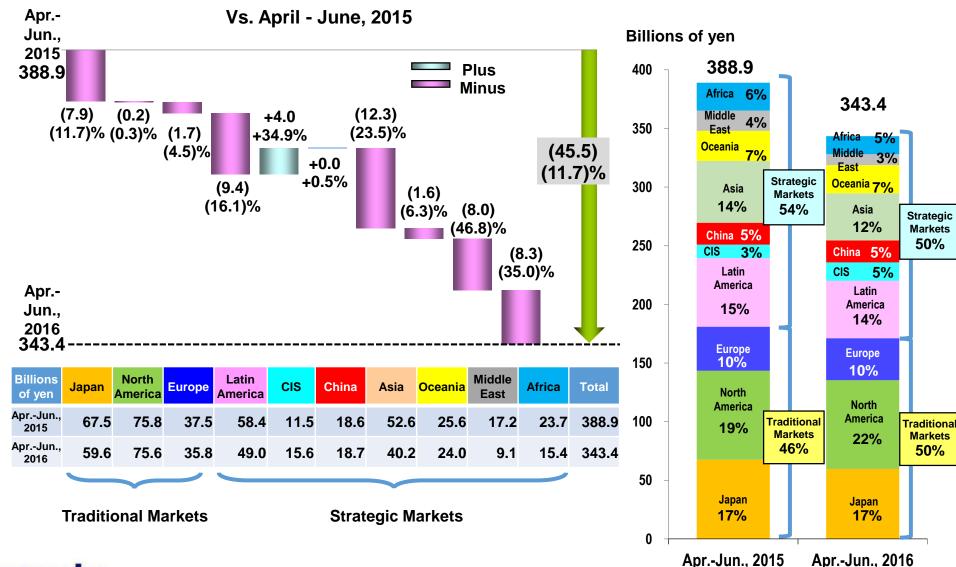
]: Sales after elimination of inter-segment transactions

· Concolidated not			1Q FY2015	1Q FY2016	Vs. 1Q FY2015			
<ul> <li>Consolidated net sales declined by</li> </ul>		US \$M Billions of yen	¥121.3/USD ¥133.0/EUR	¥109.8/USD ¥124.3/EUR	Increase (decrease)	%Change		
12.7% from the corresponding period a year ago, to JPY389.2 billion.	Net Sales	Construction, Mining & utility equipment Retail finance Industrial machinery & others Elimination	<b>3,677.7</b> 446.1 [388.9] 392.3 [13.0] 13.8 [44.1] 44.7 (4.8)	<b>3,544.6</b> 389.2 [343.4] 345.1 [11.3] 11.8 [34.5] 34.7 (2.5)	(133.0) (56.8) [(45.5)] (47.2) [(1.7)] (1.9) [(9.5)] (9.9) +2.2	[(11.7%)] (12.0)% [(13.4%)] (14.1)%		
<ul> <li>Operating income dropped 40.1% to JPY29.7 billion.</li> <li>Operating income ratio was 7.7%, down 3.4 percentage points.</li> </ul>	Segmen	t profit	11.1% 49.6	7.5% 29.0	(20.6)	(41.5)%		
		Construction, Mining & utility equipment Retail finance Industrial machinery & others	10.8%         42.4           27.3%         3.7           7.3%         3.2	7.6%         26.3           15.9%         1.8           4.9%         1.7	(16.0) (1.8) (1.5)	(37.8)% (49.9)% (47.8)%		
		Corporate & elimination	0.1	(0.9)	(1.1)	-		
	Other operating income (expenses)		0.1	0.7	+0.6	-		
	Operati	ng income	409.7 49.7	270.5 29.7	(139.2) (19.9)	(34.0)% (40.1)%		
<ul> <li>Net income attributable to Komatsu Ltd. dropped 52.1% to</li> </ul>	Profit ratio		11.1%	7.7%	(3.4) pts.	-		
	Other income (expenses)		1.2	(5.5)	(6.8)	-		
	Net inco	me before income taxes	50.9	24.2	(26.7)	(52.5)%		
	Net inco	ome *	267.9 32.5	141.2 15.5	(126.7) (16.9)	(52.7)% ( <u>52.1)%</u>		

\* Upon adoption of ASC 810, "Net income" is equivalent to "Net income attributable to Komatsu Ltd."

## **Construction, Mining & Utility Equipment Sales by Region**

1Q 2016 (April – June)



- Sales to outside customers declined by 11.7% from the corresponding period a year ago, to JPY343.4 billion.
- Except for CIS and China, sales declined in all regions. Sales dropped sharply in Strategic Markets, such as Asia and Latin America, increasing the share of Traditional Markets in total sales to 50%.

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## **Projection for FY2016**

#### No change from our announcement of April 27, 2016

- Consolidated net sales will decrease by 9.2% from FY2015, to JPY1,685.0 billion.
- Operating income will decline by 28.1% to JPY150.0 billion. Operating income ratio will translate into 8.9%, down 2.3 points.
- Net income will drop by 33.1% to JPY92.0 billion.

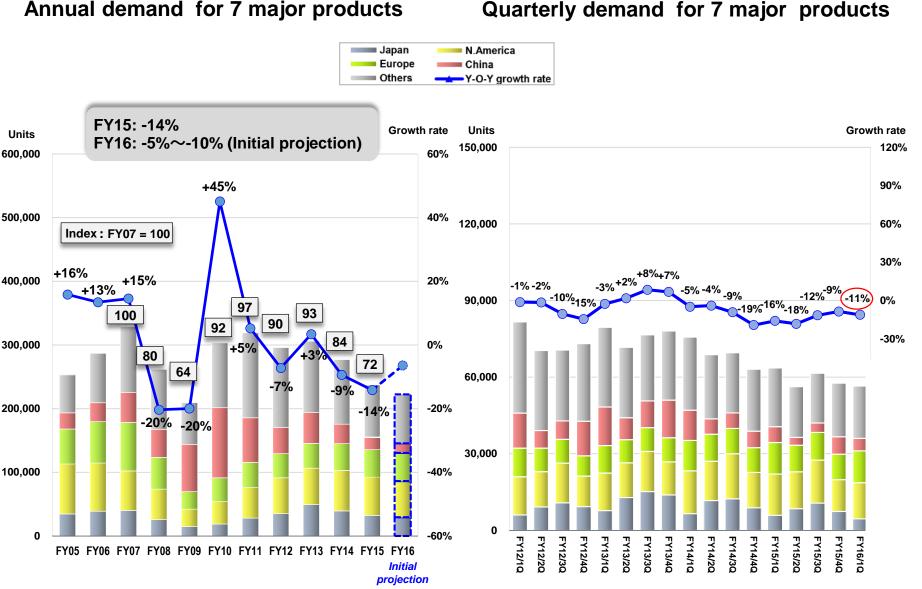
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	FY2015	FY2016 (Projection)	Change			
Billions of yen	120.8/USD 132.4/EUR 19.0/RMB	105/USD 119/EUR 16.2/RMB	Increase (decrease)	% Change		
Net sales	1,854.9	1,685.0	(169.9)	(9.2)%		
Segment profit	202.0	155.0	(47.0)	(23.3)%		
Other operating income (expenses)	6.5	(5.0)	(11.5)	-		
Operating income	208.5	150.0	(58.5)	(28.1)%		
Profit ratio	11.2%	8.9%	(2.3)pts.	-		
Other income (expenses)	(3.6)	(5.0)	(1.3)	-		
Net income before income taxes	204.8	145.0	(59.8)	(29.2)%		
Net income *	137.4	92.0	(45.4)	(33.1)%		
ROE	9.0%	6.2%	(2.8)pts.			
Cash dividends per share	58yen	58yen	+/- 0 yen			
Consolidated payout ratio	39.8%	59.4%				

\* Upon adoption of ASC 810, "Net income" is equivalent to "Net income attributable to Komatsu Ltd."

## **Construction and Mining Equipment Demand and Outlook**

- In the first 3-Month period of FY2016, global demand declined by 11% from the corresponding period a year ago.
- While demand was steady in some regions, global demand was especially affected by a drop in Japan, North America, China, the Middle East and Indonesia.
- We project that global demand should remain as <sup>2</sup> we projected at the start of the fiscal year, even <sup>1</sup> though there will be some ups and downs in some regions.



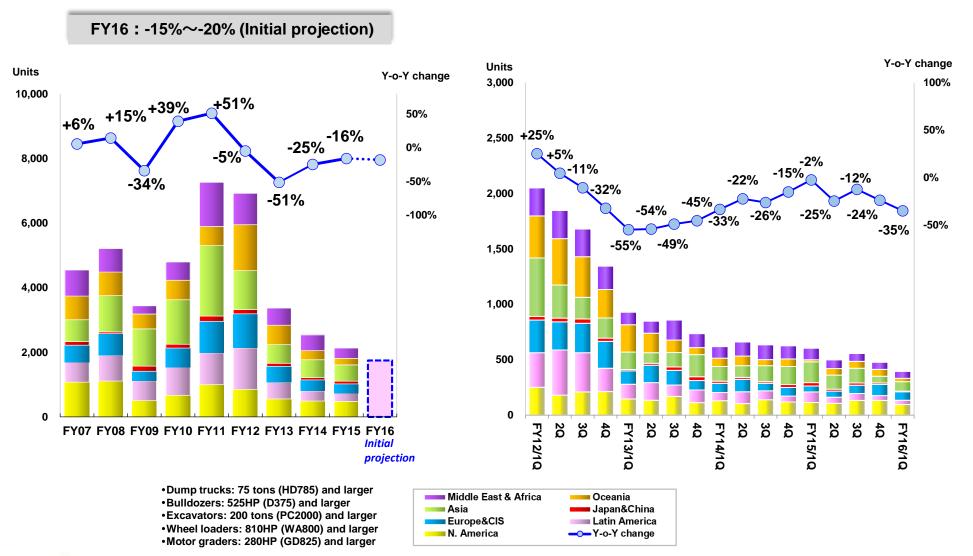
#### KOMATSU

Note: Estimated by Komatsu

## **Demand for Mining Equipment and Outlook**

Annual demand for Mining equipment

**Quarterly demand for Mining equipment** 



- In the first 3-Month period of FY2016, global demand for Mining equipment dropped 35% from the corresponding period a year ago.
- With respect to fullyear demand, we are not changing our projection made at the start of the fiscal year.

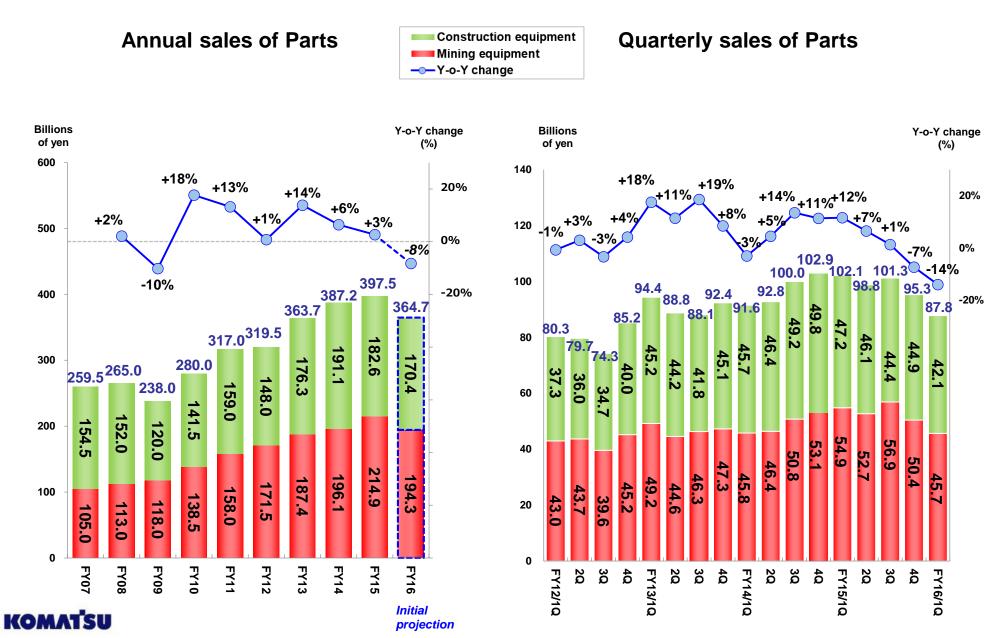
#### KOMATSU

Note: Demand estimated by Komatsu

## **Sales of Mining Equipment**

Annual sales of Mining equipment **Quarterly sales of Mining equipment** (incl. Parts and service) (incl. Parts and service) For the first 3-Month Middle East & Africa Oceania Japan&China Asia Asia period of FY2016, Latin America Europe&CIS N. America Y-o-Y change sales declined by Billions 15% from the Billions Y-o-Y change Y-o-Y change of yen of yen corresponding 800 +33% 50% 250 50% +24% +22% +15% +20%+20%+11% +18% period a year ago, -1% -4% -4% 1% -4% -7 0% 0% 18% to JPY98.3 billion, -15% 200 -10% -17% 🝉 --27% \* 614.5 -12% -12% -12% -14% as affected by the -19% -23% 600 554.0 -50% -50% Japanese yen's 506.3 163.4 157.0 499.3 155<mark>.2</mark> appreciation and 150.5 150 447.3 139<mark>.</mark>′ 120.9 128.8 422.0 reduced sales of 417.0 129.6 Equipment 394.1 30.8 Equipment 400 119.2 115.9 113.7 361.5 Parts. 356.5 .1-107.5 6 1<u>5</u> 98. ົດ 100 <del>.</del> ອ ဖ 96 Service, etc 84 23.5 Service, etc 200 50 214.9 56.9 54.9 194. 52.7 196 50.4 Parts ώ Parts n 0 FY16/1Q FY15/1Q зQ зQ Ļ 20 äΩ 2Q 4Q 30 20 4 Q Ę 20 40 ¢ F 20 FY16 FY12/10 20 FY16/1Q FY07 FY10 FY11 **FY12** FY13 FY14 FY15 FY14 FY15 FY16 FY08 FY09 |3/1Q |5/1Q 4/1Q Initia Initia KOMATSU projection projection Komatsu Confidentia

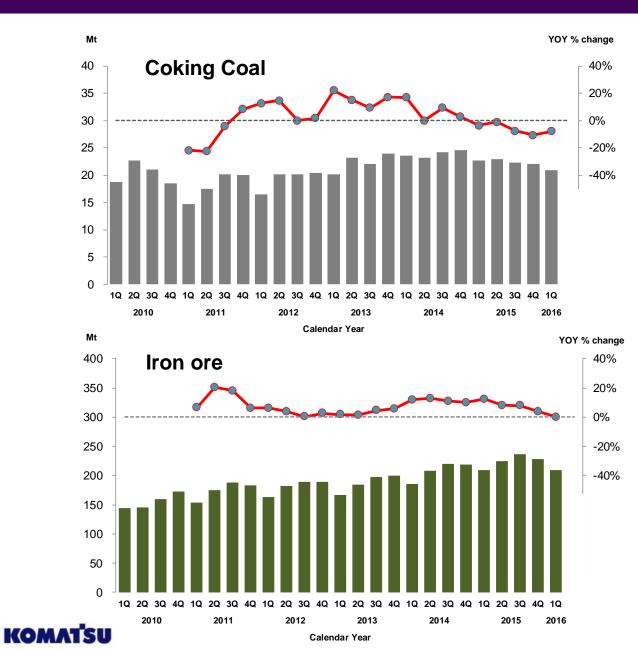
## **Sales of Parts**

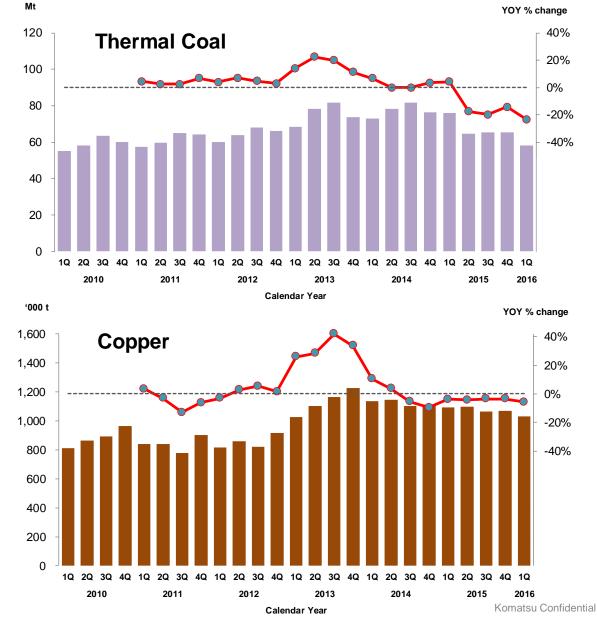


 For the first 3-Month period of FY2016, sales of Parts declined by 14% from the corresponding period a year ago.

 Sales declined mainly due to the Japanese yen's appreciation and the rate of increase in hours of machine operation becoming smaller.

## **Global Production by Commodity and YOY Change**



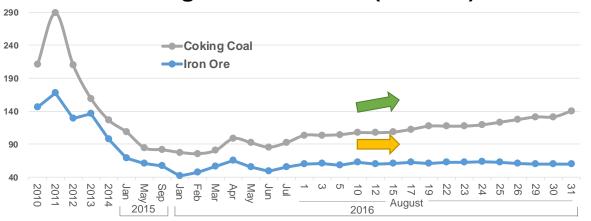


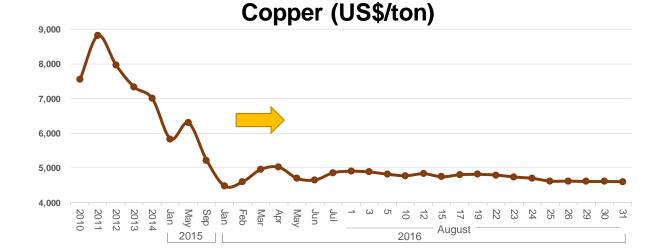
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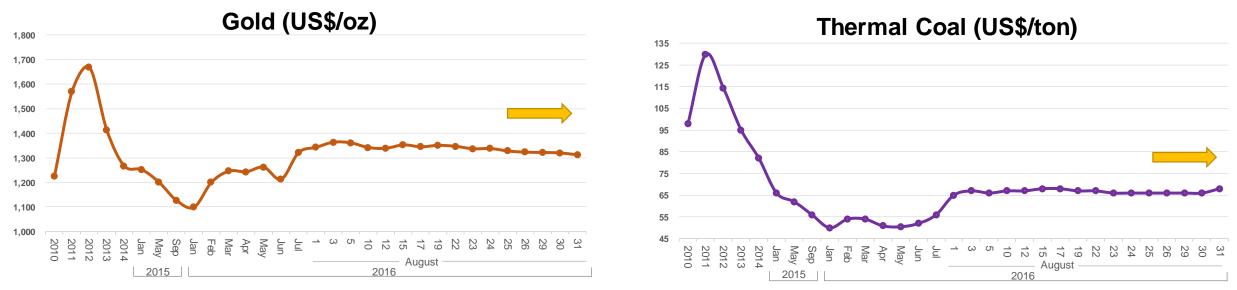
Source: AME Group

## **Mining Commodity Prices**







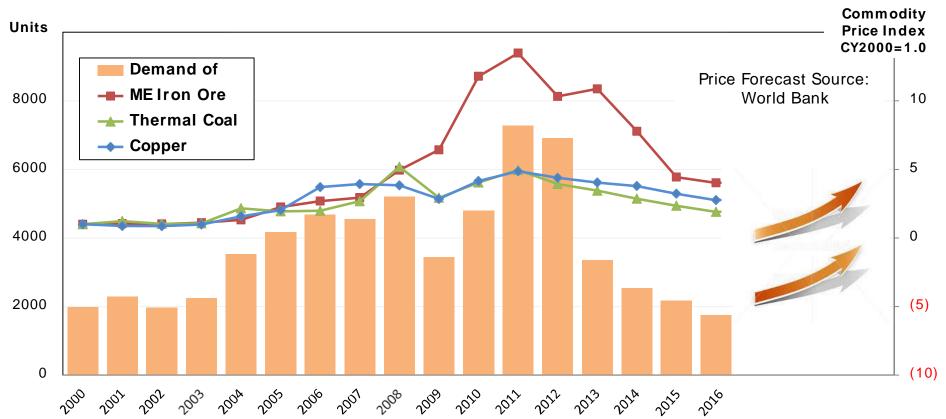


Commodity prices appear to have bottomed out in 2Q 2016, showing signs of slight recovery, though far from peak levels of 2010-2011. Commodity prices are expected to show gradual improvement.



## Mining Equipment Demand Outlook

While the industry is currently facing challenges, mining equipment demand is expected to recover in the mid to long term.



**Commodity Price and Mining Equipment Demand** 

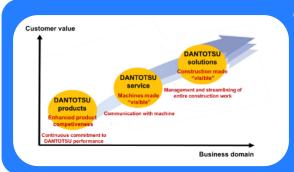
## Komatsu's Mid-Range Management Plan

Komatsu Group employees worldwide will team up with distributors, suppliers and other partners, innovate customers' GEMBA (workplace) together with them, and provide innovation designed to create new values, thereby working for growth of our core businesses of construction and mining equipment as well as industrial machinery toward our 100<sup>th</sup> anniversary and beyond.



## **Basic Strategies of our Mid-Range Management Plan**

In response to our surrounding environment and tasks, we will work to achieve sustainable growth by focusing efforts and through open innovation, when applicable, in 1) Growth strategies based on innovation, 2) Growth strategies of existing businesses, and 3) Structural reforms designed to reinforce the business foundation, centering on DANTOTSU products, service and solutions.





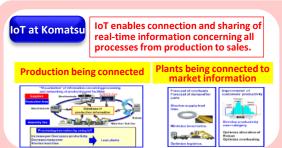
#### **1. Growth Strategies Based on Innovation**

- Development of next-generation construction and mining equipment as well as next-generation components
- Deployment of SMARTCONSTRUCTION and development of next-generation KOMTRAX
- Deployment of AHS<sup>\*1</sup> and reinforcement of platform for mining solutions
- Development of DANTOTSU industrial machinery by promoting in-house production of key components
- Gigaphoton's development of EUV<sup>\*2</sup> and new products

\*1: AHS stands for Autonomous Haulage System and means a system to operate unmanned dump trucks.
\*2: EUV stands for Extreme Ultraviolet, and EUV light source is a next-generation semiconductor manufacturing technology

#### 2. Growth Strategies of Existing Businesses

- Contributions to expanding sales by developing new products, incl. DANTOTSU products
- Expansion of earnings in the value chain
- Expansion of the mining equipment business
- Expansion of the construction equipment business (DANTOTSU No. 1 in Asia, enhancement of global presence in quarrying and cement production companies, expansion of application –specific models, etc.)
- Expansion of the industrial machinery business
- Expansion of the forest machinery business
- M&A

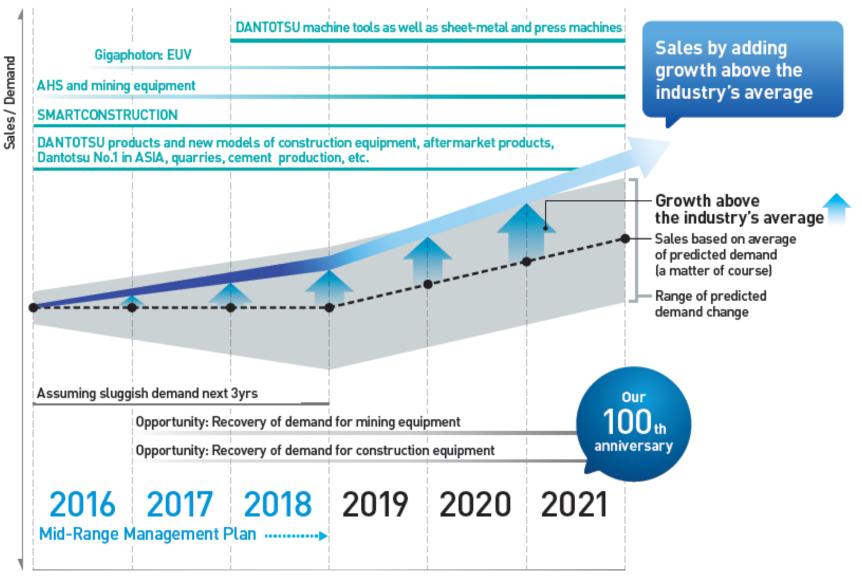


- 3. Structural Reforms Designed to Reinforce the Business Foundation
- Production reforms through connected plants
- Continuous reduction of costs (production and fixed costs)
- Reforms of spare parts operation
- Lean and powerful development
- Development of human resources with global perspective and framework to promote diversity for sustainable growth

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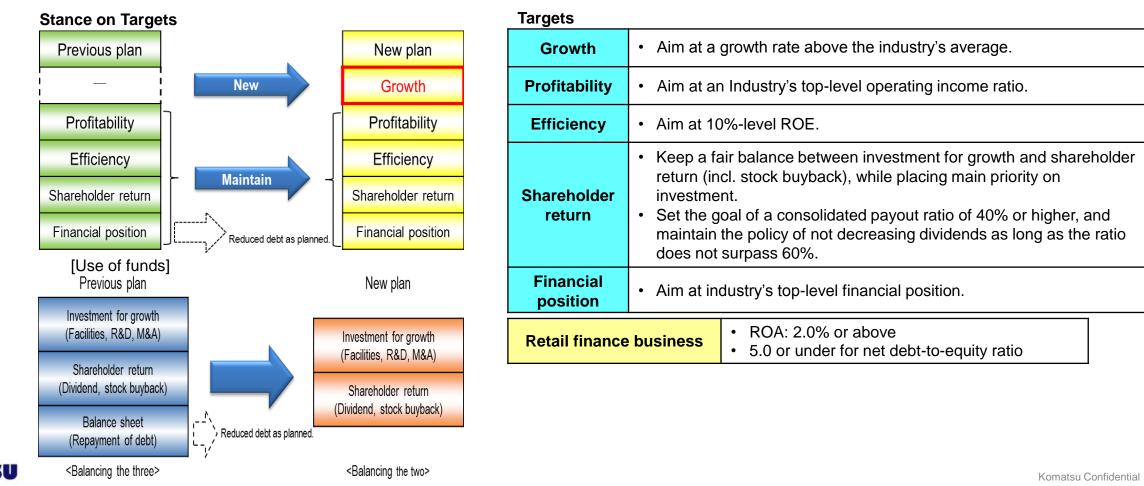
## Growth Toward our 100<sup>th</sup> Anniversary and Beyond

Although we assume that demand will remain sluggish for the time being, we will achieve our growth above the industry's average by promoting growth based on innovation and of existing businesses.



## **Targets of Mid-range Management Plan**

- In addition to our conventional top-level profitability and financial position in the industry, we will work for growth above the industry's average, even while demand will remain sluggish.
- We will place more importance on redistribution of profits to shareholders, and set the goal of a consolidated payout ratio of 40% or higher, and maintain the policy of not decreasing dividends as long as the ratio does not surpass 60%.
- By segmenting the retail finance business, we will enhance transparency of profitability and financial position of consolidated and retail finance business performance. The retail finance business will set up its own target figures.



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## Komatsu at MINExpo 2016



## Komatsu at MINExpo 2016

# D375Ai-8

- Intelligent machine control dramatically increases production and operating efficiency with remote control option available.
- More productive & faster cycle times with 20% more horsepower in reverse
   PC4000
- Highly durable structural components provide confidence for life of machine, highest hour PC4000 has over 140,000 service hours.
- Komatsu bucket design and front end geometry provides highest digging forces in size class.
   KOMATSU





## WA600-8

- Meets Tier 4 Final regulation with up to 9% less fuel consumption
- New Komatsu bucket design and auto digging system increases productivity by up to 7%



## Komatsu at MINExpo 2016

## 930E-5

- New ergonomically designed operator cab
- Tier 4 Final engine integrated with fuel-saver technology for 3-5% less fuel consumed



## Innovative Autonomous Haulage Vehicle

- Haulage vehicle designed to optimize
   FrontRunner® Autonomous Haulage System
- Innovative cab-less design showcases
   Komatsu's commitment to inventing the future



## **NODULAR Komatsu at MINExpo 2016**

# MineAlert<sup>TM</sup> Collision Awareness



- GPS-based proximity detection
- Uses predictive path technologies
- Peer-to-peer communication
- Limited false positives
- Increases situational awareness
- Over 3 years of field testing
- Launching at MINExpo2016

# **Guided Spotting**

A major source of lost productivity is due to inefficient truck spotting during loading and dumping









- Dynamically provides operators with guidance to optimum load location
- High-precision GPSbased navigation
- Facilitates doublesided loading
- Increases shovel productivity potential up to 34%
- Patent approved
- Field trials conducted
- Previewing at MINExpo 2016

## **Acquisition of Joy Global**



P&H is one of Joy Global's brands

## News Release on September 26, 2016

Komatsu and Joy Global CEOs Talk Commitment to Mining Innovation at MINExpo INTERNATIONAL®2016

Date: September 26, 2016



Tetsuji (Ted) Ohashi, President and CEO of Komatsu Ltd. (TYO: 6301), and Ted Doheny, President and CEO of Joy Global Inc. (NYSE: JOY), met today at MINExpo INTERNATIONAL® 2016 in Las Vegas. Both companies have a major presence at this year's show, the premier exposition of mining equipment and services in the world.

Komatsu and Joy Global in July announced an agreement in which Komatsu will acquire Joy Global. During their meeting Monday, Ohashi and Doheny reaffirmed their commitment to pursue new innovations that drive customer benefits after the acquisition is complete. The companies are working to finalize the transaction by mid-2017.

"Our customers are sharing very positive feedback about the agreement. Some have approached us at MINExpo to congratulate us on our decision," Ohashi said. "We are working closely with Joy Global and relevant authorities to move the process forward."

Doheny agreed, noting industry recognition of the complementary nature of the two companies' product and service offerings.

"Many of our customers and other business partners see the benefit of combining companies: a broader offering of products, systems and solutions across a wider scope of mining and construction applications," Doheny said. "Both companies believe in having the best products, direct service, being operationally excellent, and having the best people in the world."

Joining Joy Global with the Komatsu Group will offer several benefits to customers, including:

News Release

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- A broader line of industry-leading mining and construction equipment for drilling, earthmoving, loading and hauling systems and solutions for both underground and surface mining. Joy Global's best in class rope shovels, for example, pair well with Komatsu's best in class large electric dump trucks.
- Enhanced global customer support through the companies' mutual commitment and expertise in direct sales and service directly connected via embedded personnel in the mines, and electronically connected with world class fleet management systems.

"The synergistic collaboration between the companies will drive our innovation and enhance our capacity to provide quality products and solutions that improve the safety and productivity of mining operations," Ohashi said. "We will together strive to become an even better, more invaluable partner for our customers."

"The combination of two world-class companies offers exciting opportunities to enhance and expand the solutions and services we provide customers," Doheny said. "With strengthened capabilities and a continued focus on solving our customers' toughest challenges, we look forward to working together to advance the mining industry."

Caution concerning forward-looking statements: This press release and other statements by Konntsun and Joy Global may include "forward-looking statements" within the meaning of applicable securities laws and regulations. Forward-looking statements in its release include without limitation statements regarding the expected timing of the transaction described in the press release, operation of Joy Global's business. Such statements are qualified by known and unknown risks and uncertainties surrounding future business performance, development, and statements are qualified by known and unknown risks and uncertainties surrounding future business performance, development, "septert", anicipated, "expecter", "anicipated, "in the form of discussions of strategies, plans or intentions. Factors that could cause actual results to differ materially from those described in forward-looking statements include, but are not limited to: (i) uncertainties as to the approval of Joy Global's shareholders required in connection with the Acquisition, (iii) the possibility that competing coffers will be many not be safficies (o) the effects of disruption caused by the announcement of this transaction mains in relationships with employees, customers, suppliers and other business partners and the potential inability to retain existing Joy Global management upon whom Komatsu will rely, (vi) the risk that stockholder lifugation in connection with the transaction and affect the timing of the transaction asset fields in business structures and the potential inability or global, (viii) the risk that anticipated synergies and other benefits of the acquisition, at unaterial structure and in anticipated and to the constant are aposed and apose (lock)

Unless legally required, Komatsu and Joy Global disclaim any obligation to update any forward-looking statements after the date of this release, whether as a result of new information, future events or otherwise. All forward-looking statements in this announcement are qualified in their entirety by this cautionary statement. Information in the new releases is current on the date of the announcement and is subject to change without notice.

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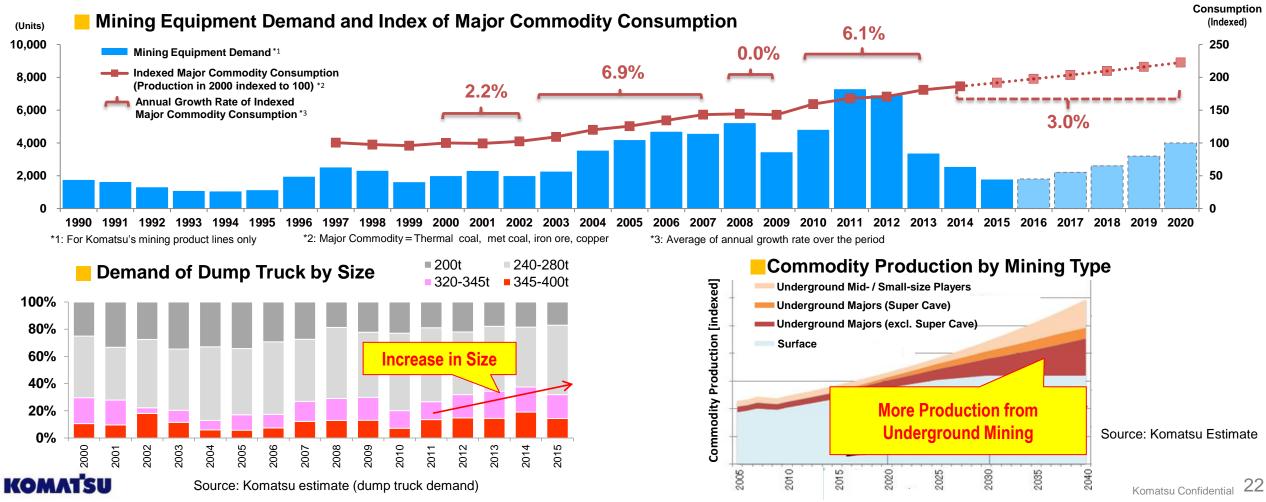
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## **Transaction Rationale**

- While the industry is currently facing challenges, Mining equipment demand is expected to recover in the mid to long term as production and consumption of major commodities increase.
- In surface Mining, demand for larger dump trucks is increasing to improve productivity, and Joy Global, which manufactures larger loaders that match larger dump trucks, is attractive to Komatsu.
- In hard rock Mining (e.g., gold, copper), we expect a shift from surface to underground Mining, and we can enter into underground Mining business through acquisition of Joy Global.



## **Overview of Joy Global**

### Providing a broad range of mining equipment for both surface and underground mining

#### **Surface Mining**

Dragline Super-size Loading Machine





**Rope Shovel** Super-size Loading Machine (Max. Bucket: 70m<sup>3</sup>)





Underground Mining (Soft Rock)



collapse



Sheerer Used with Roof Support; Continuously mine soft rocks

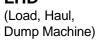


Conveyer

**Continuous Miner** Continuously mine soft rocks

Underground Mining (Hard Rock)





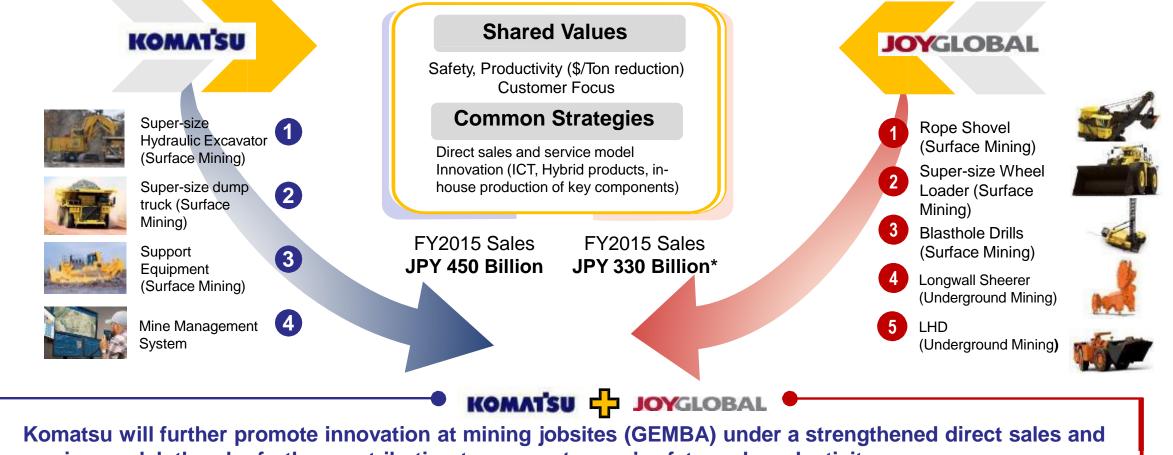
**Jumbo Drills** Open hole for entry

**Hydraulic Breaker** (Also available for Surface Mining)



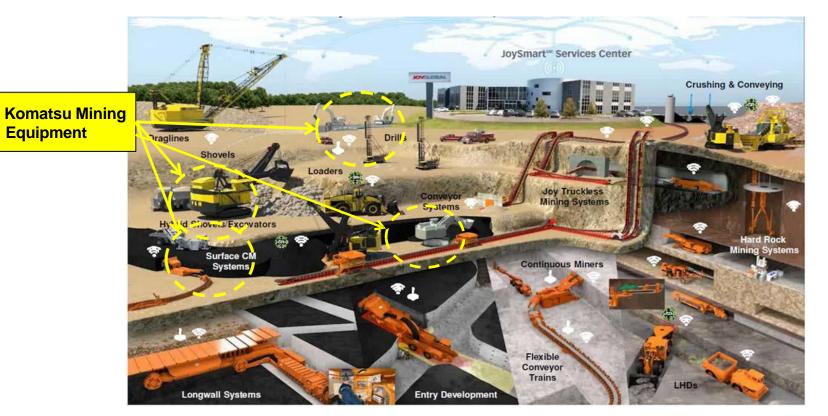
## **Post-transaction Vision**

- Komatsu considers the mining equipment business to be an area with high growth potential in the mid to long term
- Among mining equipment manufacturers, Komatsu and Joy Global share common values and strategies
- Together with Joy Global, Komatsu will strengthen our commitment to customer safety and productivity



## Synergy Example (1): Full Line Offering of Mining Equipment

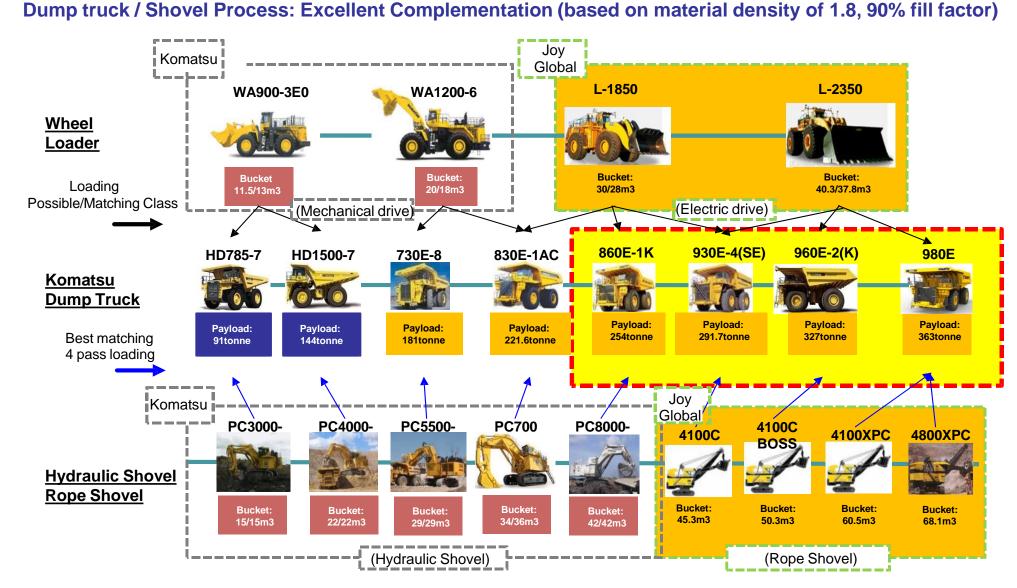
- Through acquisition of Joy Global, Komatsu enters the underground Mining equipment business.
- We will have a broad product line-up for surface and underground Mining customers, acquiring new products such as super-size loaders and drills. Integration of both companies' technologies will further promote "Dantotsu" Solution (e.g., ICT, Automation).



	Surface Mining							Underground Mining						
		Sur R.	盘	and a	Â		-		Æ	1	AN	2	mit	
	Hydraulic Excavator	Bulldozer	dump truck	Wheel Loader (Mechanical drive)		Rope Shovel	Blasthole Drill	Dragline	Continuous Miner	Haulage	Roof Support	Road Header	Sheerer	LHD
KOMATSU	1	1	<b>√</b>	1										
<b>JOY</b> GLOBAL					1	1	1	<b>√</b>	1	1	1	<b>√</b>	1	<b>√</b>
Source: Joy Global's Website										obal's Website				

### Synergy Example (2): Strong Combination of Surface Mining Products

 In surface Mining, Joy Global manufactures rope shovels and wheel loaders that best match Komatsu's super-size dump trucks complementing Komatsu's existing product line-up.



## Synergy Example (3): Innovation at Mining Jobsites

 Collaboration with Joy Global will accelerate our innovation at Mining jobsites: enhanced capabilities to improve safety and productivity of customer operations and to advance tele-operation and semi / full automation processes

Integration and Sharing of Information / Data between Trucks and Shovels



Autonomous Haulage System (AHS)



Combination of Komatsu trucks and Joy Global shovels would enable tele-operation and automation in Mining operations

#### **Promotion of Customer Benefit**

1<sup>st</sup> Step : Improved Safety

Collision Avoidance



#### **2nd Step : Improved Productivity**

 Operator assistance such as optimal loading position control, etc.

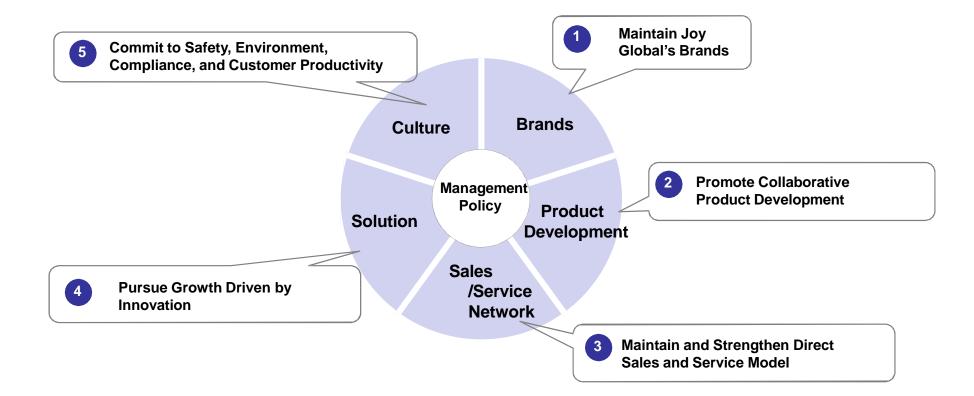


#### **3rd Step : Remote Control / Automation**

- Teleoperation
- Automated Operation

## **Post-Acquisition Policy**

- Optimize management structure to better support our customers.
- Joy Global's highly recognized brands will be maintained.
- Cultural similarities such as commitment to safety and customer productivity will facilitate collaboration between Komatsu and Joy Global to accelerate growth through innovation.



## Summary

The acquisition of Joy Global is a key milestone to accelerate our growth toward the 100<sup>th</sup> anniversary of Komatsu.

- 1. Komatsu and Joy Global share common values and strategies, and we see great fit as to management, business, technologies, and employees.
- 2. The combination supported by mutual respect for culture, technology, and expertise will enable Komatsu to further promote innovation at Mining jobsites (GEMBA) under a strengthened direct sales and service model, thereby making further contribution to our customers' safety and productivity.
- 3. The acquisition of Joy Global demonstrates our strong commitment to growth toward the 100<sup>th</sup> anniversary to provide better products and service for our customers.



[Cautionary Statement]

This cautionary statement by Komatsu may include "forward-looking statements" within the meaning of applicable securities laws and regulations. Forward-looking statements in this release, include without limitation statements regarding the expected limiting of the completion of the transaction described in the press operation of Joy Global, and actual results could differ materially from those uncertainties surrounding thrue business performance, development and financial statements regarding the future operation, direction and success of the business. Such statements are qualified by the use of words such as "believe", "anticipate", "setting "the "cetting", "and other "initial actual results could differ materially from those described in forward-looking statements and use of words such as "believe", "anticipate", "setting "the "and the transaction will be consumated, (i) uncertainties as to the approval of Joy Global, and and ((iv) the possibility that competing offers will be made, ((iv) the possibility that are not limited to: (1) uncertainties as to whether or when the transaction will be consumated, (ii) uncertainties as to the approval of Joy Global management upon whom Komatsu will rely, (vi) the risk that stockholder litigation in connection with the transaction may and be statified, (i) the effects of dispats principate", "apprint", "integrint", "integrint", "apprint", "integrint", "apprint", "integrint", "apprint", "integrint", "apprint", "integrint", "apprint", "integrint", "integrint, "integrint," "integrint", "integrint", "integrint", "int

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## Questions

