Overseas Market Conditions of Construction and Mining Equipment

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1. Market Conditions by Region

PP. 3-10

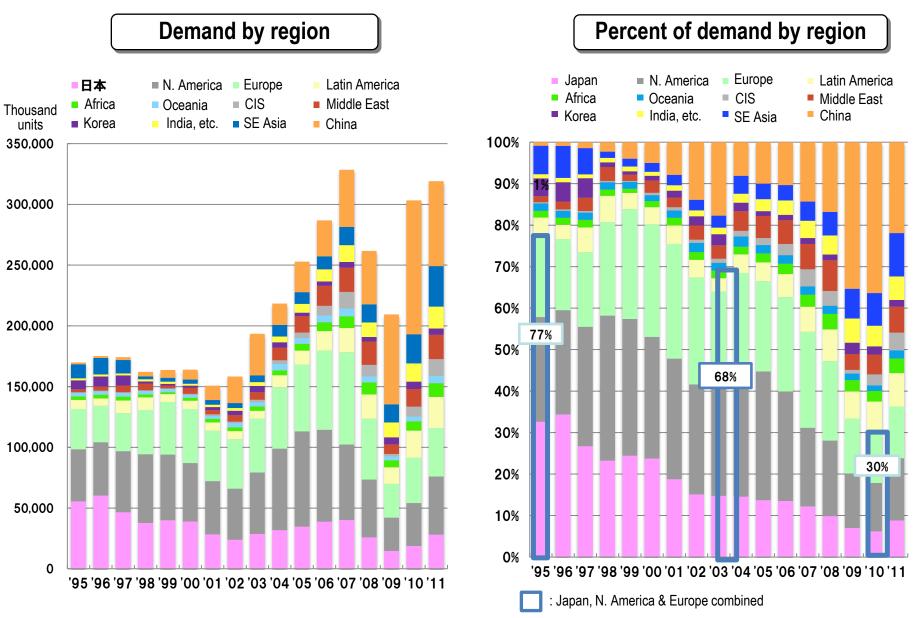
2. Mining Equipment Business

PP. 11-12

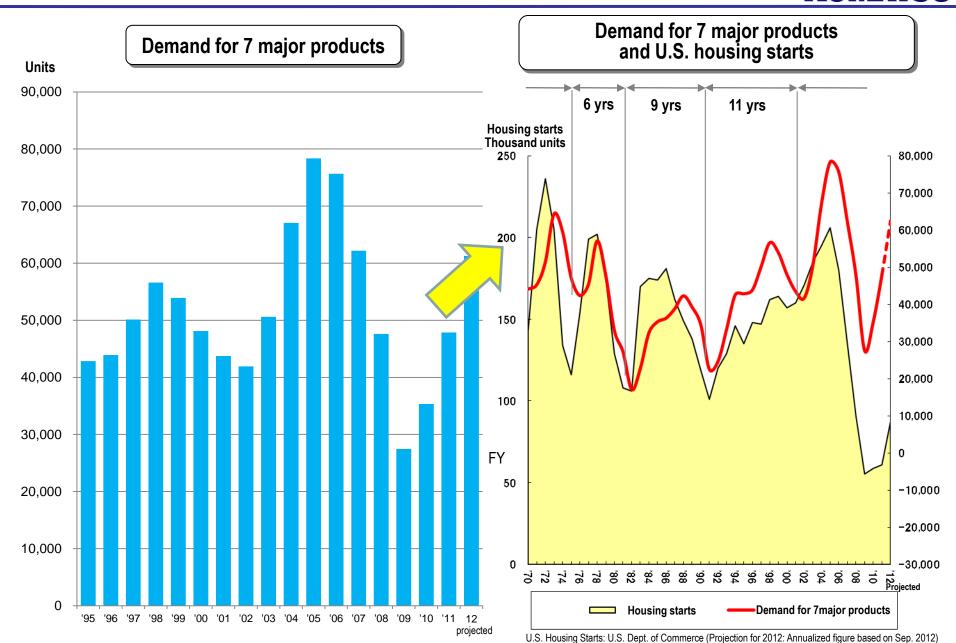
3. Parts, Service and Other Businesses PP. 13-14

Global Demand for 7 Major Products





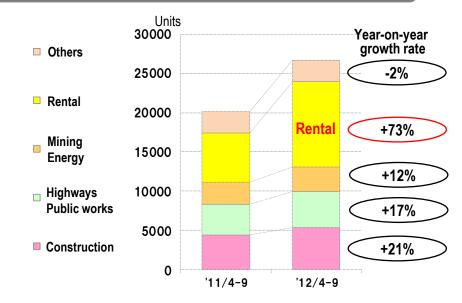
Seven major products (exc.. mini equipment): Crawler-type hydraulic excavators, wheel-type hydraulic excavators, bulldozers, wheel loaders, rigid dump trucks, articulated dump trucks, and motor graders.



Demand for 7 major products: Estimated by Komatsu

Breakdown of demand by industrial segment (Unit basis)



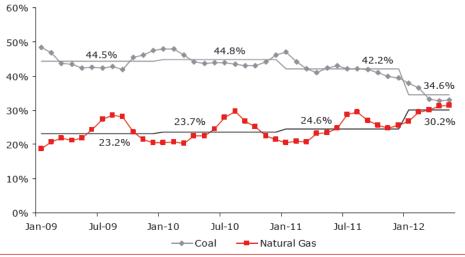


Change in energy source in the U.S.



Shifting from thermal coal to natural gas driven by shale gas

Percentage of coal vs. natural gas in power generation



Source: IEA

North America

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Construction of shale gas well

- Clear forests and mountains and develop flat land.
- Build access roads to the developed sites.
- Install drilling equipment.
- Build ponds to discharge water.
- •Remove drilling equipment to complete construction of wells and then redevelopment of adjacent land.



Characteristics of construction equipment for use in the shale gas drilling method:

- 1) Smaller machines
- 2) Short construction period

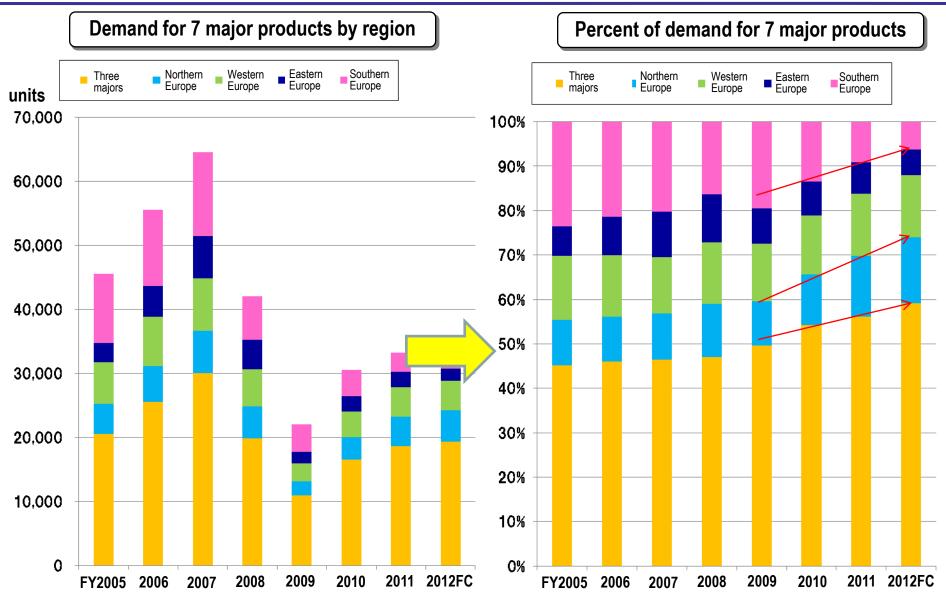
Expanding rental demand

Develop infrastructure by clearing forests

Drilling equipment

Pond for discharged water

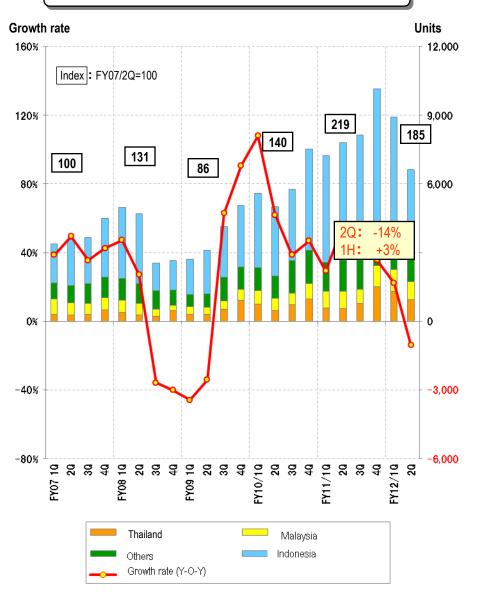
Access road



3 major markets: U.K., France & Germany. Northern Europe: Norway, Sweden, Finland & Denmark. Southern Europe: Spain, Portugal, Italy & Greece. Western Europe: Western countries other than above. Eastern Europe: Eastern countries

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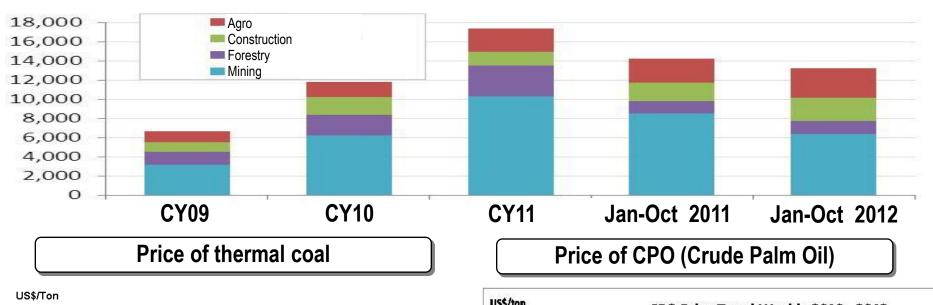
Quarterly demand for 7 major products

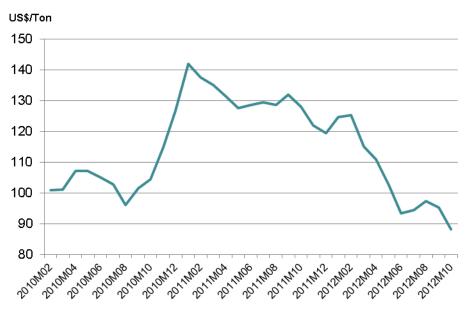


Change in demand in major countries: Apr – Sep 2011 vs. Apr – Sep, 2012

	Major markets	Change in total demand
	Indonesia	-9.5%
	Thailand	+95.6%
	Philippines	+70.9%
	Malaysia	+20.1%
	Myanmar	-47.9%
	Southeast Asia (total)	+3.4%

Indonesia: Quarterly demand for 7 major products

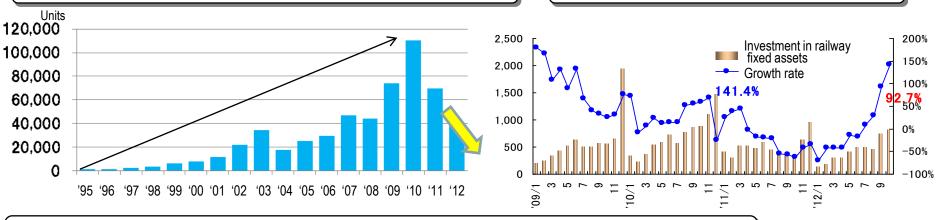




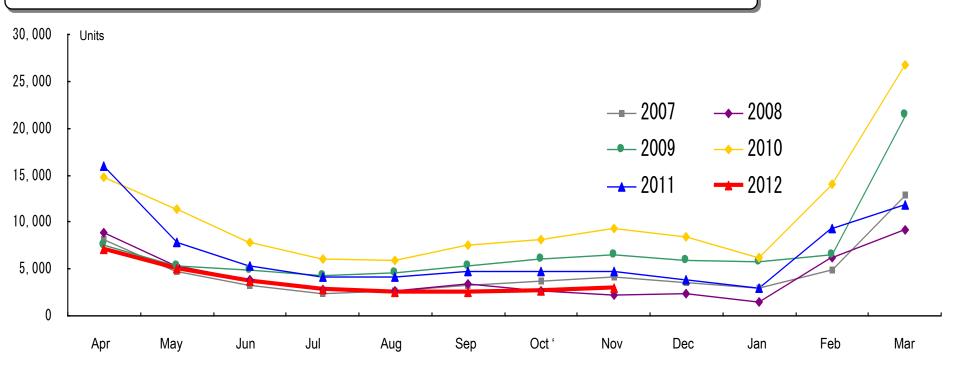




Investment in railway fixed assets



Monthly demand for hydraulic excavators (6t & larger) (foreign makers only)



Building Up Operations in Mining Markets

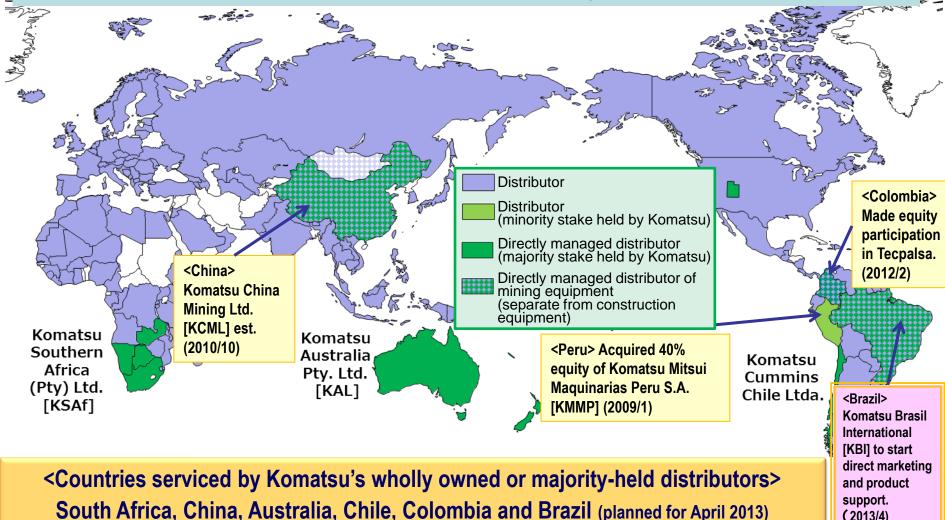
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(2013/4)

Basic policies for distributors of mining equipment:

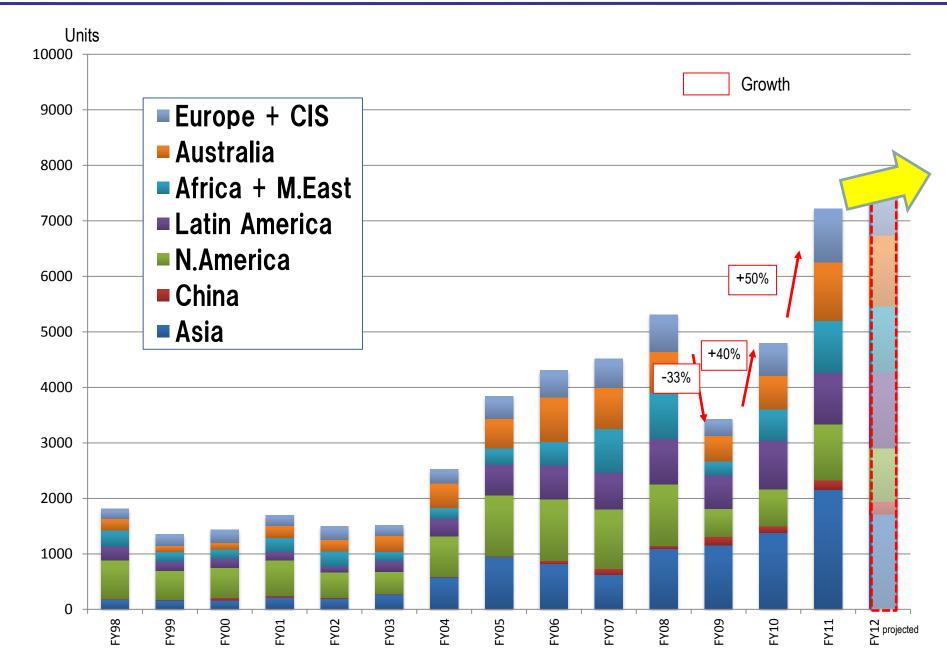
Face-to-face operation by Komatsu (preferably, consolidated distribution subsidiary)

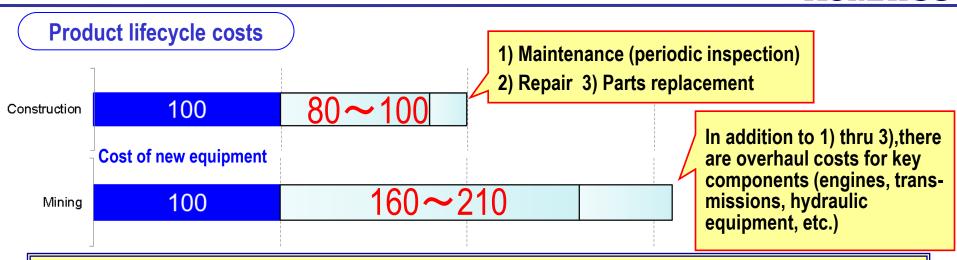
As Komatsu is responsible for functional parts and Reman operation, Komatsu and distributors team up and engage in customer-specific activities mainly through JoifUL (Joint Follow-up Log), CI (Continuous Improvement) and R&M (Repair & Maintenance) programs.



Demand for Mining Equipment







Parts business will growth stably, supported by an increase in machine population in Strategic Markets and of mining equipment.

Reinforcing human resource development in Strategic Markets

- Training through academia-industry collaboration China: Shandong Jiaotong Univ. (2004 --) Russia: Yaroslavl Institute of Technology (Sep. 2010 --) and Pacific National Univ. (Oct. 2011 --)
- "Visualization" of technical levels and training records





Training service engineers of mining equipment

- Training distributors' service engineers
- Increasing the number of training programs for foreign participants at Techno Training Center (Komatsu City, Japan)
- Training service engineers at Komatsu HRDC (Philippines) and training distributors' engineers by Komatsu HRDC (Philippines) graduate
- Acquiring the Mining Equipment Division of a distributor in Brazil (to be completed in April 2013)

Promoting "visualization" of total supply chain

- Retail information
- Inventory of equipment





Distribution bases in Panama and Dubai began operations in April 2010 and October 2012, respectively.

⇒ Speeding up deliveries to customers and reducing distributors' inventories.

