資料１

Introducing ThyssenKrupp

Expert Group on Foreign Direct Investment in Japan

Dr. Heinrich Hiesinger – Tokyo, March 5, 2014

Developing the future.

ThyssenKrupp

Agenda

1 Diversified Industrial Group – Key Facts ThyssenKrupp

2 Leading Engineering Expertise for Sustainable Progress

3 Japan and ThyssenKrupp – A Successful Partnership

Diversified Industrial Group: Our Business Areas

Key Indicators – Fiscal Year 2012/2013*

Components Technology

Sales (€ mill)	5,712
EBIT** (€ mill)	244
Employees	27,737

Elevator Technology

Sales (€ mill)	6,155
EBIT** (€ mill)	675
Employees	49,112

Industrial Solutions

Sales (€ mill)	5,641
EBIT** (€ mill)	640
Employees	18,841

Materials Services

Sales (€ mill)	11,700
EBIT** (€ mill)	236
Employees	26,978

Steel Americas

Sales (€ mill)	1,867
EBIT** (€ mill)	(495)
Employees	4,112

Steel Europe

Sales (€ mill)	9,620
EBIT** (€ mill)	143
Employees	26,961

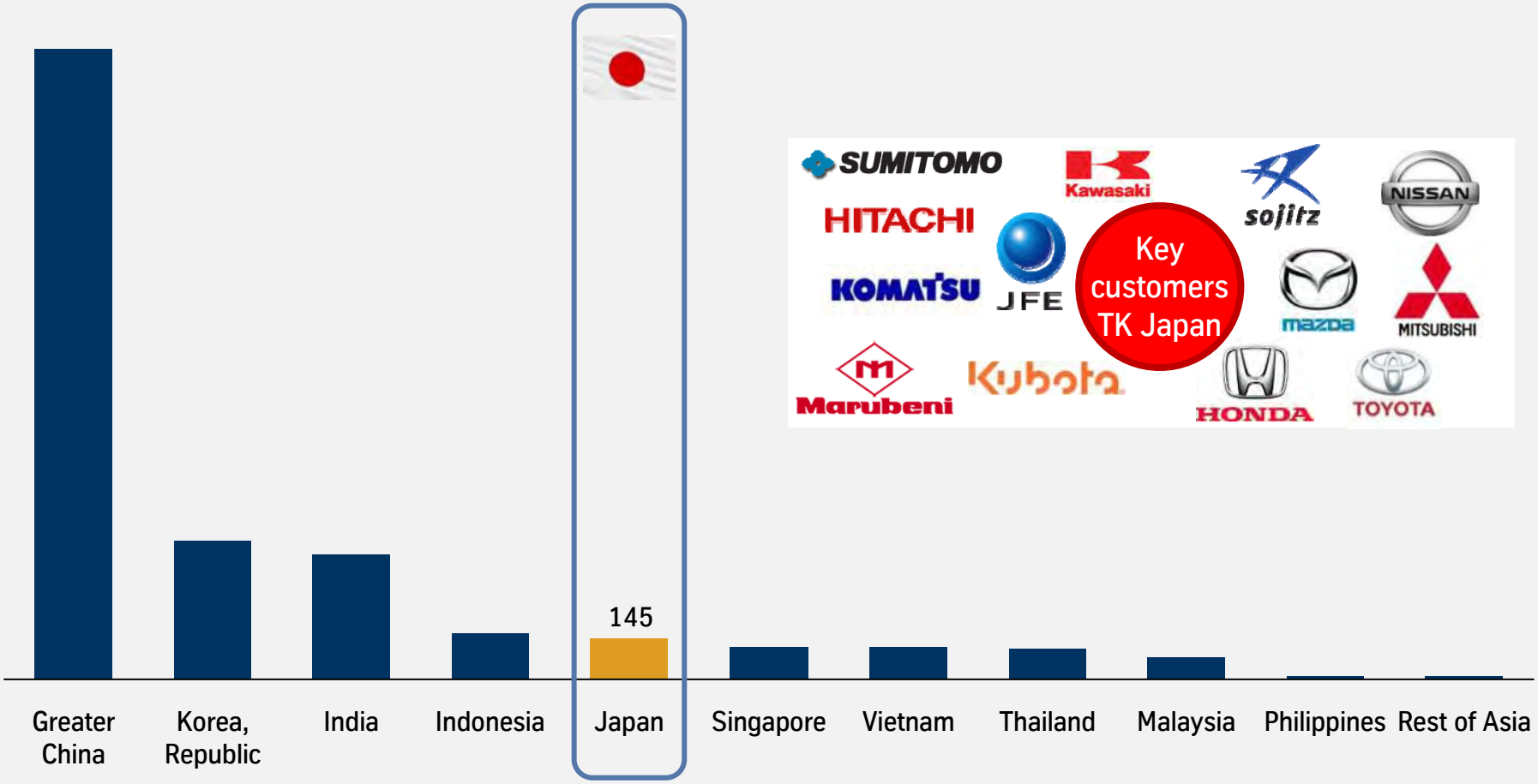
Group

Sales (€/¥ million)	38,559 / 5,436,819
EBIT adj (€ /¥ million)	599 / 84,459
Employees	156,856

* Continuing operations (after reclassification of Steel Americas) before consolidation
** Adjusted before consolidation

Japan is Currently the 5th Biggest Market for ThyssenKrupp in Asia

Sales With Customers [€ million] of Total Sales in Asia – Fiscal Year 2012/13



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Meeting the Need for “More” in a “Better” Way

Drivers	Demand (“more”)	Business opportunities	Demand (“better”)	Restrictions
Demography 	More consumer and capital goods	Leading engineering expertise in Material Mechanical Plant	Reduced CO_2 emissions, renewable energies	Climate change 
Urbanization 	More infrastructure and buildings		Efficient infrastructure and processes	Finite resources 
Globalization 	More resource and energy use		Efficient resource and energy use, alternative energies	Political framework 

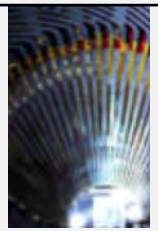
Engineering Expertise for Sustainable Progress for our Customers

Product and Service Examples in our Application Areas

Material

Automotive

High-strength steel reduces weight by up to 30%

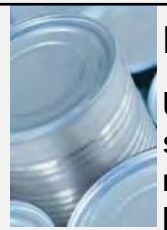


Energy

Non-oriented electrical steel reduces energy transmission losses

Construction

Optimized corrosion protection through zinc-magnesium coating



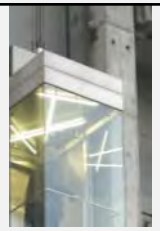
Packaging

Ultra-thin packaging steel improves resource efficiency by 23%

Mechanical

Energy

Slewing bearings and rings for wind turbines



Construction

Up to 66% greater energy efficiency in elevators

Automotive

Valve control enables 4.1 t less CO_2 per vehicle over lifetime

Minerals & Mining

Fully mobile crushers enable up to 350,000 t less CO_2 per year

Plant

Construction

Up to 40% reduction in CO_2 emissions in cement plants

Automotive

Development of production lines for lithium-ion battery cells

Chemicals

EnviNOx®: Up to 99% reduction in N_2O/NO_x in fertilizer plants

Chemicals

Process technology for polylactides: New plastics based on biomass

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1859 Until Now – A Successful Partnership With Japan

日独交流150周年
Jahre Freundschaft
Deutschland–Japan

1902: Friedrich Alfred Krupp with a Japanese delegation under Prince Komatsu.

1903 to 1937: Henschel & Sohn (later Thyssen Henschel) supplies 120 locomotives and 1,200 tons of rails to Japan.

1950: The company Dr. C. Otto & Comp. builds coking plants up to the 1950s.

1953: Crown Prince Tsugo No Mija Akihito visits August Thyssen-Hütte AG in Duisburg.

1965: Krupp establishes Nippon Roballo, which develops into Japan‘s leading manufacturer of large diameter slewing bearings.

1971:
125 t rotary crane by Krupp for the shipyard of Mitsui Shipbuilding in Tamano.

1990: Berthold Beitz greets the Japanese Primeminister Yasuhiro Nakasone at Villa Hügel.

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ThyssenKrupp Footprint in Japan 2014

Hakui

Nippon Roballo
(Manufacturing Plant)

102 employees

CASA Tokyo

128 employees

- Nippon Roballo
- TK Otto
- TKSTJ
- TK Presta Japan
- TK Access Japan
- TK Japan

TK Access Japan Osaka

3 employees

7 employees

VDM Japan Tokyo

Kita Kyushu

Nippon Roballo
(Manufacturing Plant)

96 employees

85 employees

TK Uhde Chlorine Engineers (Japan) Tokyo / Okayama

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Selected References

Japan Marine United (JMU)
Enoshima (江ノ島) / Chichishima (父島)

- State of the art minesweeper
- GFRP technology for the hull

Mitsubishi Heavy Industries (MHI)

- Wind turbine with bearings of Nippon Roballo

JFE Steel
Coke Plant JFE in Kurashiki

- 477.000 t/year of coke
- 39 ovens
- started 06/2013

Kawasaki Heavy Industries (KHI)
Sōryū (そうりゅう) / Blue Dragon

- Equiped with 4 × Kockums V4-275R Stirling Engines

Recent Investments and Activities of ThyssenKrupp in Japan

2002 ➤ Strategic Alliance (R&D) between JFE Steel and ThyssenKrupp Steel

2006 ➤ Establishment of JEVISE as a J/V between JFE Steel and ThyssenKrupp Steel

2006 ➤ Establishment of ThyssenKrupp Access as a supplier of stair-lifts

2009 ➤ Nippon Roballo: New plant for bearings in Kita-Kyushu „Hibiki Plant“

2011 ➤ Acquisition of the Otto Corporation (approx. 80 employees)

2012 ➤ Set-up of the ThyssenKrupp CASA in Tokyo as a „home“ for all TK entities

2014 ➤ Set-up of ThyssenKrupp Uhde Chlorine Engineers Japan (approx. 85 employees)

Since 2007 successful social commitment:
➤Cooperation with Waseda University (Science & Engineering) for annual internship program at ThyssenKrupp in Germany (until 2013 more than 30 students visited Germany)


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