

●Energy-Saving Activities of Kobe Steel Group Companies (Fiscal 2016)

Business Unit	Company Name	Location	Example of Initiatives
Iron & Steel	Kobelco Engineered Construction Materials Co., Ltd.	Amagasaki, Hyogo Prefecture	Switched to inverter-type compressors
	Shinko Wire Company, Ltd.	Amagasaki, Hyogo Prefecture	Switched a portion of the plant lighting to LED lighting
		Kakogawa, Hyogo Prefecture	Switched a portion of the plant lighting to LED lighting
	Shinko Bolt, Ltd.	Ichikawa, Chiba Prefecture	Reduced amount of lubrication oil used
	Ceratechno Co., Ltd.	Bizen, Okayama Prefecture	Introduced energy-saving hydraulic unit for press
	Tesac Wirerope Co., Ltd.	Kaizuka, Osaka Prefecture	Switched to inverter system at cooling towers
	Nippon Koshuha Steel Co., Ltd.	Imizu, Toyama Prefecture	Upgraded heat treatment furnace, improved insulation
	Sanwa Tekko Co., Ltd.	Ama-gun, Aichi Prefecture	Switched to LED lighting at plant
	Shinko Kohan Kako, Ltd.	Ichikawa, Chiba Prefecture	Switched a portion of the office floor lighting to LED lighting
	Kobe Special Steel Wire Products (Pinghu) Co., Ltd.	Pinghu, Zhejiang, China	Introduced high-efficiency motors
	Jiangyin Sugita Fasten Spring Wire Co., Ltd.	Jiangyin, Jiangsu, China	Switched to LED lighting
	Kobelco Spring Wire (Foshan) Co., Ltd.	Foshan, Guangdong, China	Reduced amount of electricity and fuel used through production management
Kobe Wire Products (Foshan) Co., Ltd.	Foshan, Guangdong, China	Reduced amount of fuel used through recovery of waste heat	
Welding	Hanshin Yosetsu Kizai Co., Ltd.	Okayama, Okayama Prefecture	Switched to energy-saving cooling water pump
	Kobe Welding of Qingdao Co., Ltd.	Qingdao, Shandong, China	Switched to LED lighting
	Kobe Welding of Tangshan Co., Ltd.	Tangshan, Hebei, China	Switched to LED lighting
	Kobe MIG Wire (Thailand) Co., Ltd.	Samut Prakan, Thailand	Reduced amount of compressed air used through improvements to facility
	Thai-Kobe Welding Co., Ltd.	Samut Prakan, Thailand	Increased thermal insulation of equipment
	Kobe Welding of Korea Co., Ltd.	Changwon, Gyeongsangnam-do, Korea	Switched to LED lighting
Aluminum & Copper	Shinko Metal Products Co., Ltd.	Kita-Kyushu, Fukuoka Prefecture	Inspected and repaired steam and air leaks throughout plant
	Shinko Leadmikk Co., Ltd.	Kita-Kyushu, Fukuoka Prefecture	Switched to inverter air cooling system for chiller
	Kobelco & Materials Copper Tube, Ltd.	Hadano, Kanagawa Prefecture	Reduced amount of gas used in furnaces
	Kobe Electronics Material (Thailand) Co., Ltd.	Bang Pa-in, Ayutthaya, Thailand	Switched to LED lighting
	Kobe Aluminum Automotive Products (China) Co., Ltd.	Suzhou, Jiangsu, China	Switched to inverter system for cooling water pumps
Machinery	Kobelco Compressors America, Inc.	California, United States	Introduced natural lighting and utilized artificial lighting more efficiently
	Kobelco Advanced Coating (America), Inc.	Illinois, United States	Reduced amount of fuel used through recovery of waste heat
	Kobelco Advanced Lube-syste Asia Co.,Ltd	Busan, Korea	Turned off office lighting during lunch hours
	Wuxi Compressor Co., Ltd.	Wuxi, Jiangsu, China	Installed solar panels on plant roof
Engineering	Kobelco Eco-Solutions Co., Ltd.	Harimacho, Hyogo Prefecture	Switched to high-efficiency compressors
Electric Power	Kobelco Power Kobe Inc.	Kobe, Hyogo Prefecture	Removed scale buildup associated with the cleaning the No. .2 Boiler and improved efficiency of turbines by improving boiler differential pressure.
Headquarters, Other	Kobelco Research Institute, Inc.	Amagasaki, Hyogo Prefecture	Turned off office lighting during lunch hours
	Kobelco Construction Machinery Co., Ltd.	Hiroshima, Hiroshima Prefecture	Switched to LED for plant ceiling lighting
		Akashi, Hyogo Prefecture	Turned off office lighting during lunch hours
	Shinko Industrial Co., Ltd.	Kurayoshi, Tottori Prefecture	Switched to high-efficiency transformers
	Japan Superconductor Technology, Inc.	Kobe, Hyogo Prefecture	Turned off office lighting during lunch hours