

Energy-Saving Activities of Kobe Steel Group Companies (fiscal 2013)

Company name	Location	Example of initiatives
Shinko Wire Company, Ltd.	Amagasaki, Hyogo Prefecture	Introduction of high-efficiency devices such as induction hardening device. (Application and contract to ESCO)
	Kakogawa, Hyogo Prefecture	Introduction of inverter control devices. Switch to high-efficiency compressors.
Kobe Special Tube Co., Ltd.	Shimonoseki, Yamaguchi Prefecture	Introduction of inverter control systems for various pumps. Introduction of ceramic radiators to heating facility.
	Kobe, Hyogo Prefecture	Improvement of the low performance of fans. Reduction of power to adjust the amount of cooling water.
Shinko Kobe Power Inc.	Amagasaki, Hyogo Prefecture	Reviewing the operating pressure in compressors.
	Ichikawa, Chiba Prefecture	Change to LED lighting at plant and cafeteria.
Shinko Bolt, Ltd.	Ichikawa, Chiba Prefecture	Change to LED lighting at plant and cafeteria.
Ceratechno Co., Ltd.	Bizen, Okayama Prefecture	Introduction of high-efficiency compressors. Change to LED lighting.
Kansai Coke and Chemicals Co., Ltd.	Amagasaki, Hyogo Prefecture	Change to high-efficiency lighting.
Tesac Wire Rope Co., Ltd.	Kaizuka, Osaka Prefecture	Change to high-efficiency lighting.
Nippon Koshuha Steel Co., Ltd.	Imizu, Toyama Prefecture	Change to LED lighting at works. Switch to high-efficiency electric motors at steelmaking plant.
Shinko Kohan Kako Co., Ltd.	Ichikawa, Chiba Prefecture	Introduction of high-efficiency compressors.
Hanshin Yosetsu Kizai Co., Ltd.	Okayama, Okayama Prefecture	Improvement in the operation of compressors. Leveling the demand for electricity. (Shift operation of a portion of facilities to night.)
Shinko Actec Co., Ltd.	Toyooka, Hyogo Prefecture	Reduction of electric power consumption by improving the drying process for large-size honeycombs.
Shinko-North Co., Ltd.	Kasumigaura, Ibaraki Prefecture	Improvement in the control of steam pressure at plant.
Shinko Leadmikk Co., Ltd.	Kita-Kyushu, Fukuoka Prefecture	Coating the outside walls of the plant with heat-resistant paint. Energy-savings by improving ventilation in the factory, etc.
Shinko Aluminum Wire Co., Ltd.	Sakai, Osaka Prefecture	Introduction of fan inverter at the heat-treatment furnace.
Kobelco & Materials Copper Tube, Ltd.	Hadano, Kanagawa Prefecture	Change to LED lighting. Switch to high-efficiency air conditioning.
Shinko Engineering Co., Ltd.	Ogaki, Gifu Prefecture	Energy-savings by reduction of processing time through introduction of simulation technology.
Kobelco Shinwa Co., Ltd.	Akashi, Hyogo Prefecture	Introduction of high-efficiency compressors. Change to LED lighting.
	Takasago, Hyogo Prefecture	Switch to high-efficiency air conditioning.
Kobelco Research Institute, Inc.	Amagasaki, Hyogo Prefecture	Conducting tests on appropriate testing equipment and oil pressure source.
	Shimonoseki, Yamaguchi Prefecture	Change to high-efficiency lighting.
Kobelco Cranes Co., Ltd.	Akashi, Hyogo Prefecture	Change to high-efficiency lighting.
Japan Superconductor Technology, Inc.	Kobe, Hyogo Prefecture	Introduction of liquid helium recovery and liquefaction system for testing
	Kita-Kyushu, Fukuoka Prefecture	Switch to high-efficiency air conditioning.
Kobelco Eco-Solutions Co., Ltd.	Harima, Hyogo Prefecture	Energy-savings by improving combustion and insulation at combustion furnace.
Twin Foods Co., Ltd.	Ichikawa, Chiba Prefecture	Introduction of inverter control devices at pumps. Change to high-efficiency lighting.
	Amagasaki, Hyogo Prefecture	Change to high-efficiency lighting.
PRO-TEC Coating Company	Ohio, United States	Change to high-efficiency lighting.
Kobe Wire Products (Foshan) Co., Ltd.	Fushan, Guangdong, China	Energy-savings by adjusting factory production. (Intensive production at the heat-treatment furnace)
Kobelco Welding Asia	Shingapore	Installation of high-efficiency lighting.
Kobe Welding of Tangshan Co., Ltd.	Tangshan, Hebei, China	Fuel conversion
Kobe Welding of Qingdao Co., Ltd.	Qingdao, Shandong, China	Installation of high-efficiency lighting.
Thai-Kobe Welding Co., Ltd.	Samut Prakan, Thailand	Introduction of inverter control devices at conveyors and blowers.
Kobelco Welding of Europe B.V.	Heerlen, The Netherlands	Change to high-efficiency lighting.