

BlueScope Steel, Australia and New Zealand

RAILQ – DETAILED RAIL ALIGNMENT AND STRUCTURE TESTING

CHALLENGE

BlueScope Steel Ltd. started in 1885 as the renowned Broken Hill Propriety Company of New South Wales. It later merged with two other Australian steel making pioneers and today has operations throughout Asia as well. In Australia, BlueScope Steel makes a variety of steel products related to construction and has two main business units: Coated and Industrial Products Australia and Australian Distribution and Solutions.



When Konecranes established an office in South Australia, BlueScope Steel's plant in Wingfield, Adelaide was one of their first customers. BlueScope steel was looking to replace one of their production cranes at the Wingfield plant with a high performance SMARTON® crane, which would be the first SMARTON® crane installed by Konecranes in Australia. In order to determine whether or not the rails were properly aligned before the new crane was installed, the plant needed to perform a RailQ survey.

SOLUTION



Based on the RailQ survey results, the rails were not properly aligned. Certain columns needed to be lifted and a new rail had to be installed. With RailQ, the whole job was completed in only four hours.

Because the survey was completed during scheduled downtime, the plant did not lose any production hours. Since the initial RailQ survey, BlueScope Steel has used

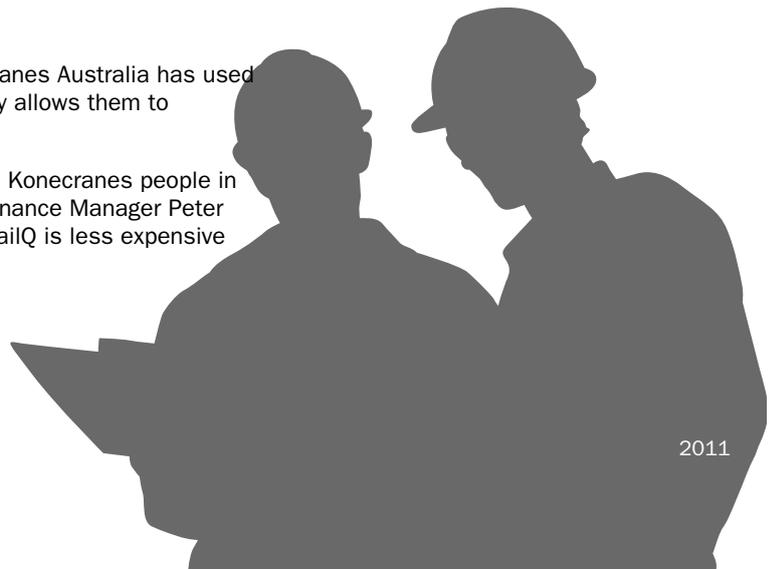
RailQ at two of their sites to test rail alignment and crane structure.

RESULTS

Since RailQ was introduced to Australia in 2010, Konecranes Australia has used it in about 75 inspections around the country. The survey allows them to measure tolerances down to the millimeter.

"We've built up a very good working relationship with the Konecranes people in Australia in the past three years", says Wingfield Maintenance Manager Peter Terrison. "When you take labor and time into account, RailQ is less expensive compared to other survey methods."

KONECRANES®





INDUSTRIAL CRANES: Konecranes is the industry benchmark for safety, reliability, cost saving and productivity-enhancing innovation. Standard and heavy-duty cranes include electric overhead cranes up to 1,000+ tons and explosion-proof cranes and components. Workstation lifting systems feature enhanced material flow with ceiling-mounted monorails and free standing cranes systems, jib cranes and manual lifting products and electric chain hoist up to 7500 kg. Konecranes provides any lifting application in any industry.



NUCLEAR CRANES: With nearly a half century of nuclear crane experience Konecranes is the most seasoned supplier in the industry. Our wide range of products are designed specifically for operation in nuclear applications and our quality control program ensures that each nuclear crane and component is designed, manufactured and installed to the demanding standards of the nuclear industry.



PORT AND PORTAL CRANES & SERVICE: Konecranes designs, manufactures, and delivers large cranes for ports, container terminals, intermodal terminals, shipyards and bulk material handling. We also provide expert maintenance and after-sale support as well as complete crane service worldwide for all types and makes of harbor and shipyard cranes.



HEAVY-DUTY LIFT TRUCKS: Konecranes is a world-leading manufacturer of lift trucks with lifting capacities of 10 to 80 tons. For over 50 years Konecranes has designed and customized trucks for the most demanding applications and continues to offer a wide range of trucks for customers in many different industries. Products include forklifts, reach stackers, empty container handlers, gantry trucks/toploaders.



CRANE SERVICE: Konecranes provides an extensive range of services and unique capabilities dedicated to improving safety and helping your business decrease the cost of downtime and increase the productivity of uptime. We can service any make of crane and hoist. With a global network of maintenance professionals operating from more than 570 service depots around the world, we repair, inspect, modernize and maintain more cranes worldwide than any other company.



MACHINE TOOL SERVICE: As a global leader in machine tool maintenance service, Konecranes offers world-class service on all makes and models of machine tool equipment. From maintenance programs to rebuild, remanufacture and retrofit, we have the knowledge and expertise required to keep your equipment running effectively and efficiently.



PARTS: Konecranes is the OEM for many of the best known brands of hoists and cranes as well as the largest single source supplier for parts of all makes. We have the most extensive inventory in the industry, as well as dedicated in-house parts manufacturing and extensive reverse engineering services to assist you with obsolete and/or not readily available parts. Our expert technicians are always available to help with field installation and support.