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MACHINE TOOL SERVICE

SMARTON® CRANE

KONECRANES®
Lifting Businesses™

Wingfield Bay 7 New Crane Replacement **BLUESCOPE STEEL LIMITED, WINGFIELD, AUSTRALIA**



The challenge

BlueScope Steel is the leading steel company in Australia and New Zealand specialized in the production of flat steel products. Cooperation between BlueScope Steel and Konecranes started in December 2009 when significant failures of components were found in one of the cranes at Wingfield steel distribution center. It was inevitable that the 20-ton crane needed replacement.

“The crane operates in the coil storage area, loading the coil into processing. Service takes place during normal production hours. If the crane stops operating, the entire production is immediately interrupted”, describes

Mr. Peter Terrison, Maintenance Supervisor at the Wingfield steel distribution center.



The solution

Several stakeholders were involved in determining the design and make-up of the new crane, utilization requirements, and possible future needs of the plant. For example, an on-site session with crane drivers was held to maximize the crane's ergonomic layout and enhance driver efficiencies. Also, a RailQ was carried out to discover issues with the rail. Based on the survey, subcontractors were commissioned to realign existing rail and raise columns to the best fit possible. Issues with runway beams

were also identified and subsequent bracing made to rectify these. In August 2010, two months before the final delivery of the project, the customer conducted a site visit at Konecranes' Sydney workshop to check the cabin meets the requirements and the status of the project. The crane was delivered in October and the replacement of the rail was performed during shutdown in December 2010.

The results

By investing in Konecranes' solution BlueScope Steel was able to increase solution efficiency and work ergonomics while minimizing the disturbance to production. The new SMARTON technology is adjustable and self monitoring. It is also built ready for future upgrades.

The crane reports directly to Konecranes, which is a unique service in the crane business.

“Throughout the project, Konecranes had a very professional approach, I am truly happy about the product, service and expertise provided. The crane is so smart. It is beyond our dreams”, says Mr. Terrison.

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