



INDUSTRIAL
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PORT
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HEAVY-DUTY
LIFT TRUCKS



SERVICE



MACHINE
TOOL
SERVICE

CASE STUDY

**KAWNEER
COMPANY, INC.,
SALT LAKE CITY, UT**

KONECRANES ENGINEERING & EQUIPMENT SOLUTION PAYS DIVIDENDS IN INCREASED SAFETY & PRODUCTIVITY AND DECREASED REPAIR COSTS

Kawneer North America, a division of Alcoa's global Building and Construction Systems (BCS) business, is the leading manufacturer of architectural aluminum building products and systems for the commercial construction industry. Kawneer's Salt Lake City facility fabricates aluminum doors and frames for building and construction.

RIISING COSTS AND CONCERNS

The only overhead crane at Kawneer's Salt Lake City facility, a 2-ton dual-hoist system, began requiring repairs in 2008. By 2010, Kawneer was calling Konecranes' Salt Lake City service team at least once a month. The crane, at the Salt Lake site since 1999, had been moved from another Kawneer plant, which had purchased it used three years earlier. The downtime for repairs was cutting into productivity, but the crane posed a greater impact on safety, Marie Tedrow, Kawneer's operations manager, said. Worn wheels and bolts began falling off, requiring reports to OSHA, and the crane's hoist drum was badly worn.

INVESTIGATING A COMPLETE SOLUTION

She added that the crane's age limited availability of replacement parts, which often had to be specially made, extending downtime. Tedrow called Konecranes and worked with Rob Carlson of New Business Development to find a solution. Konecranes recommended a RailQ crane runway survey, which uses a robot and laser technology to assess alignment. The survey found that the runway was misaligned, causing wheel wear and other issues. Another problem: The existing crane span limited hook coverage for unloading trucks that deliver lengths of extruded aluminum for window frame fabrication. This necessitated side loading, which stressed the crane and ropes.



DOWNTIME – PROBLEM OF THE PAST

So, Konecranes realigned the runway beams and widened the span to accommodate necessary hook coverage and enable proper vertical lifting – to optimize crane operation, productivity and safety. Konecranes completed the project in February 2011 with installation of a new 2-ton crane with dual electric CXT wire rope hoists.


Since then the Salt Lake Kawneer facility has operated free of crane breakdowns and repair costs, Tedrow said.

In addition to conducting monthly and quarterly inspections, Konecranes conducts crane operator training for new Kawneer crane operators.

Why Konecranes? Tedrow said, "We like Konecranes' people, services and pricing." And Konecranes passed the thorough preferred vendor review process of Alcoa, Kawneer's parent company. aims to continue lowering these numbers. And, seeing the value of monitoring crane usage, the company has paid to continue the TRUCONNECT subscription.

KONECRANES®

Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity in a wide variety of industries. The company is listed on NASDAQ OMX Helsinki Ltd (symbol: KCR1V). With almost 12,000 employees at 600 locations in nearly 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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