CASE STUDY

KONECRANES®

Liberty Papers, Inc.

CRANE MODERNIZATION GOES OVER AND ABOVE TO WIN LONG-TERM RELATIONSHIP

CHALLENGE

Liberty Paper, Inc. (LPI), part of the Liberty Diversified International family, is a state-of-the-art paper mill, located in Becker, MN that recycles old corrugated containers into new paper for packaging. The mill manufacturers recycled paper from more than 240,000 tons of corrugated containers each year.



In June 2009, the company turned to Konecranes to complete an end of life study on their dry end crane, used primarily in the manufacturing process. The crane had originally been purchased from Konecranes in 1994.

SOLUTION

After the end of life study was complete, LPI received 3 quotes to upgrade the equipment. Konecranes provided the best added value proposition to LPI, therefore, Konecranes was awarded the job in April 2010. The primary factor was because the end of life study. Konecranes offered an immediate solution that allowed for future expansion plans.

In August 2010, Konecranes installed the modernization to the dry end crane. Konecranes worked around the clock, beginning Monday at 6am. The job was completed by Friday at noon – 24 hours ahead of the deadline. The installation came in on budget and required no downtime from LPI.

Both hoists were modernized to 30-ton. The hoists were then de-rated to 20-ton cranes, allowing them ample expansion room for future plans. A Konecranes sales representative explains, “This gives them a lot of flexibility in the future.”

Sixty cycles after the modernization was completed, the hoists were tested for synchronization, which is crucial in the paper process. These critical hoists ran in tandem within one inch of each other.

RESULTS

Since the installation, Liberty Papers has signed a service contract with Konecranes. The service contact includes monthly preventive maintenance.

Currently, Konecranes and Liberty Paper are discussing plans to perform these same modernizations to LPI wet-end crane.



PRODUCTS & SERVICES



INDUSTRIAL CRANES: Konecranes is the inudstry 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 celing-mounted monrails 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 idustry. 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 fork lifts, reach stackers, container handlers, and Roll-on Roll-off (RoRo) Trucks.



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 brand of crane and hoist. As a leading global manufacturer with a 120-year history and the leading maintenance provider in the Americas and around the globe, Konecranes technicians understand what it takes to keep your equipment working at top performance.



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.



TRAINING: One of the easiest and most cost effective ways to improve safety and productivity while reducing maintenance costs is crane operator training. We can provide on-site training that is tailored to your needs, budget and schedule. In addition you will improve employee morale, generate good will and may reduce liability. We also offer courses at our Training Institutes in Milwaukee and Los Angeles as well as regional seminars in 40 cities per year.

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