

An Integrated Aluminum Facility **PREVENTIVE MAINTENANCE SAVES OVER \$45,000 USD IN REPAIRS ANNUALLY**

CHALLENGE

No challenge yet...Konecranes keeping in touch with a potential customer

An integrated aluminum and smelting facility, located on the East Coast, is one of the longest continually operating aluminum facilities in the world. Its products serve the automotive, industrial, and aerospace industries. Their cranes range in size from 10-50 tons and are used to handle molten metal and to transport the finished product.

Seven years ago, the integrated aluminum facility handled all crane maintenance work internally. After three years of contacting the company, Konecranes was able to arrange a meeting to discuss benefits of the MAINMAN® preventive maintenance program. They liked the idea of a proactive plan for inspections, repairs, and maintenance, but because they had an in-house crane maintenance team, they did not have a need for it at that time.



SOLUTION

An occasion to inspect revealed numerous opportunities for repair

The next year, the integrated aluminum facility called Konecranes with an urgent need for a complete inspection to be performed on one of their cranes. Many of their other cranes were experiencing frequent breakdowns as well. The technicians completed the emergency inspection and submitted a comprehensive MAINMAN® report which included a detailed assessment of the crane. The integrated aluminum facility was so impressed with the crew and the quality of their work that they turned over 15 more of their cranes for the same process. The inspections showed that many cranes were not up to code. Konecranes was asked to complete all of the repairs in a process that took two years to complete.

RESULTS

Overall savings of \$45,000 per year

After the extensive repair process, the cranes are in better overall condition. Konecranes has an annual contract for inspections and planned maintenance. The amount of downtime and unplanned repairs has decreased significantly at the plant. The integrated aluminum facility now saves over \$45,000 USD annually in inspection and preventive maintenance costs compared to prior years. Konecranes also performs preventive maintenance and has a site contract on all of the below the hook devices at other areas of the work site.





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 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.