

Alaskan Copper & Brass, Kent, Washington

KONECRANES CXT CRANES AND MAINMAN® INSPECTIONS REDUCE MAINTENANCE COSTS BY 60%**CHALLENGE**

Alaskan Copper & Brass Co. was moving a large part of its operation from Seattle and Renton to a facility in Kent, Washington. The company needed new lifting equipment and also wanted to relocate some older cranes at the Renton facility, not purchased from Konecranes. Alaskan Copper owned a total of 138 cranes as well as about 50 different types of under-hook devices. Most of them were being maintained in a reactive mode, with repairs occurring only when something stopped working.

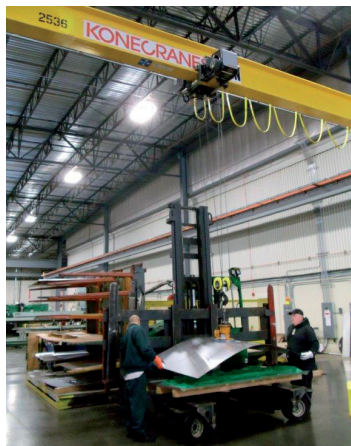
SOLUTION

In Phase I of this operation, Alaskan Copper purchased two 5-ton single-girder CXT cranes from Konecranes and asked Konecranes to remove four older cranes from the Renton facility, modify them and move them to Kent. This process went well, and Eagle Hilton, Alaskan Copper's new mechanical project coordinator, retained Konecranes to begin monthly inspections of all of its cranes using MAINMAN®, a multi-point visual inspection. MAINMAN inspection captures data on the condition of over 225 crane components and then analyzes, prioritizes and schedules required repairs in compliance with local statutes and laws.

In Phase II, Alaskan Copper purchased four more 5-ton double-girder CXT cranes, and also asked Konecranes to provide and install over 700' of runway for the new cranes in an existing building. The way the runway was installed in the long bay allowed offloading of product into smaller bays running perpendicular to the runway.

RESULTS

When the inspection program began, Konecranes technicians were working on the older cranes weekly. But one year later, as larger issues revealed by the inspections were resolved, Konecranes inspects just 15-18 cranes a month on a regular schedule. A parallel program for inspecting the under-hook devices has also been implemented. Konecranes takes care of significant repairs, while minor issues are handled in-house.



"In the first year, we spent a good bit of money resolving long-term problems with the older cranes, but since then our maintenance costs have gone down by around 60%," says Eagle Hilton. "The biggest benefit is that downtime, and significant breakdowns have been drastically reduced. Now, we prefer to maintain equipment at more optimum levels. With our new policy of outsourcing of maintenance for critical equipment like forklifts and cranes, we're down to one in-house electrician at this facility."

"We are truly satisfied with every aspect of service we've received from Konecranes.

Companies like yours make companies like ours better and stronger, not to mention making my job a lot easier."



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 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 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.