

A Midwest Diesel Engine Manufacturer CUT ANNUAL EQUIPMENT COSTS IN HALF WITH SCHEDULED INSPECTIONS

CHALLENGE

Production demands exceeded capabilities

A midwest diesel engine manufacturing plant manufactures diesel engines for consumer pick up trucks. Due to the competitive nature of the diesel engine industry, the company is constantly looking to all areas of production to cut costs and increase efficiencies.

The manufacturing plant was constructed in 1971. It originally built components such as pistons, connecting rods, pulleys, rocker housings and water pumps. In the early '90s, the plant was converted to an engine production plant. Production demands have escalated ever since.

Like other plants of its kind, it is producing numbers well beyond the plant's original capacity. Therefore, downtime is not an option.



SOLUTION

A planned approach to repairs, replacements and spare parts

This midwest diesel engine manufacturing plant has long focused on their core competency—building engines. They have relied on Konecranes to take care of their 120 hoists and cranes for over 15 years. In an effort to extend the life of the plant's overhead lifting equipment, Konecranes identified the highest usage cranes and set up a maintenance plan for the cranes selected.

The plan included replacing out-dated equipment, rebuilding older “work-horse” hoists and establishing a structure for repairs. This allowed for repairs to be completed as they were identified during inspections, eliminating potential down time from unexpected breakdowns.

RESULTS

**Per unit cost decreased 50%,
excellent safety record**

By collaborating with Konecranes and sharing expertise, the annual cost per unit has decreased 50% from 2005-2009 with no additional downtime. Since this maintenance plan has been put into effect, there have not been any crane-related injuries or incidents at this manufacturing plant.





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.