

Weserport GmbH, Germany

OPTIMIZED CRANE CAPACITY AND INCREASED SAFETY

Weserport GmbH owns and operates a marine terminal. It provides seaport- and logistics-services. The company was founded in 1994 and is based in Bremen, Germany. Weserport GmbH is a subsidiary of Rhenus AG & Co. KG. With its more than 19,000 employees, Rhenus is present in more than 290 locations.

Starting point



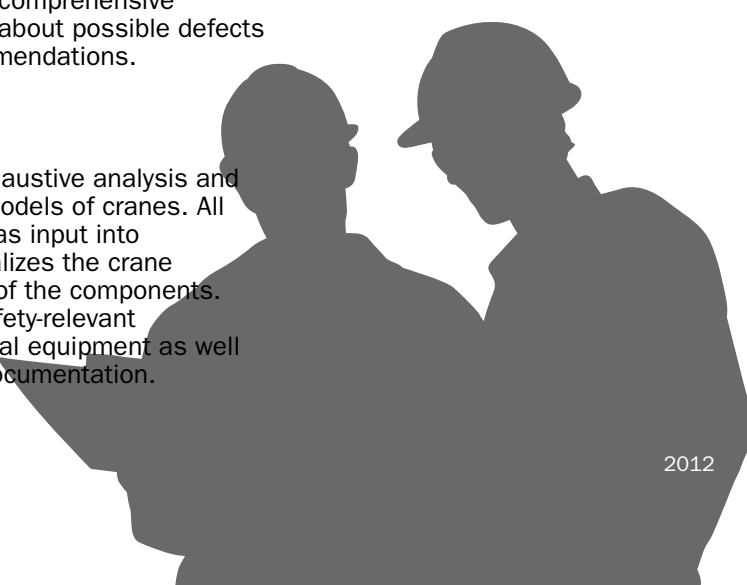
Due to its growth Weserport experiences a continuously growing demand for terminal services. The precondition for this is that the existing cranes, featuring a load capacity of 20 to 105 tons, operate satisfactorily in the long term. Therefore, a port mobile crane by Gottwald, manufactured in 1984, with a load capacity of 50 tons, was to undergo a comprehensive check-up.

Requirements

Regular maintenance and inspections of the crane purchased second-hand in 2004 had indicated defects but did not provide an in-depth analysis. Now the target was to identify the true actual condition of the crane in order to obtain clarity with regard to availability, service life and any capital investment required. Weserport needed comprehensive documentation that would include a detailed report about possible defects including a photographic documentation and recommendations.

Solution

Konecranes Crane Reliability Survey (CRS) is an exhaustive analysis and comprehensive report available for all makes and models of cranes. All available date of the inspected port mobile crane was input into Konecranes maintenance system. The system visualizes the crane structure complete with prioritization and condition of the components. CRS included an analysis and assessment of all safety-relevant components, the steel structure, drives and electrical equipment as well as the replacement parts analysis and a detailed documentation.





Customer benefits



Weserport received a comprehensive CRS report on the actual condition of the port mobile crane. The report included concrete recommendations how to remove the perceived crane defects, how to improve the performance of the plant and how to extend the service life, safety and reliability of the crane.

Specifically, this meant that approximately 40 per cent of the price for a new crane should have been invested in the port mobile crane in order to achieve the required long term performance.

What does Weserport say?

"The CRS inspection of our port mobile crane is enormously important in order to assess the future availability and safety of this crane system. With this inspection, we now know exactly what defects the crane has. Thanks to the recommendations by Konecranes, we also know how to remove them.

The result supports us in our drive for growth as we learn how to plan future investments and how the safety of our plant can be assured. Therefore, we will rely on the expert knowledge of Konecranes also in the future", says **Udo Hövermann**, Technical Manager at Weserport.



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 forklifts, reach stackers, empty container handlers, gantry trucks/toploaders.



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 make of crane and hoist. With a global network of maintenance professionals operating from more than 570 service depots around the world, we repair, inspect, modernize and maintain more cranes worldwide than any other company.



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.