

Brithinee Electric, Colton, Calif.
INCREASED CRANE CAPACITY HELPS FACILITY MEET DEMANDS OF ALTERNATIVE ENERGY

CHALLENGE

Increased demand, more cranes needed

Brithinee Electric in Colton, California specializes in the repair of industrial electric motors and wind generators. They needed additional space and increased crane capacity to work on the large electrical units used in the wind industry, their fastest growing market segment. Brithinee Electric is within 125 miles of two of the largest wind farms in the United States. With demand for alternative energy increasing, the company needed to expand to be able to meet the demand.



In 2004, Brithinee Electric began planning an expansion of their workspace by almost 20,000 square feet.

SOLUTION

Konecranes identifies crane needs

Brithinee Electric's crane selection involved acquiring dimensions for machines they had never seen, including overall dimensions as well as weight. Konecranes helped steer the selection based on cranes generally used in manufacturing plants in the wind industry.

Konecranes developed several different concepts and layouts for Brithinee Electric's new facility. The two companies and the project engineer worked together to determine the best solution for Brithinee Electric's needs, including how the geometry of the cranes' structures (bridge length, dimensions between uprights, etc.) would affect price.



After several collaborative revisions to the plan, Konecranes ended up installing a 20-ton crane, a 10-ton crane, a 5-ton bridge crane and a jib crane.

RESULTS

Production levels doubled with new cranes

The larger facility and the new cranes have allowed Brithinee Electric to double its production of wind generator and large motor repair. Konecranes also continues to provide service to Brithinee Electric's cranes, ensuring increased uptime.



“The new building delivered a wow factor, and the cranes are a key ingredient of that.”

Wallace P. Brithinee, Brithinee Electric



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.