

SERVICE
LIGHT LIFTING
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INDUSTRIAL CRANES
CASE STUDY

KONECRANES®
Lifting Businesses™

U.S. Concrete, San Diego, CA

Customized Crane Installation Increased Capacity and Decreased Construction Costs



THE CHALLENGE

U.S. Concrete serves the construction industry with concrete and precast/prestressed concrete products.

As a satisfied customer of Konecranes for over 10 years, there was no question who they would turn to when they were building a new plant. “We wanted a design that was efficient, well laid out, on time, and of course offered value overall,”



Konecranes provided technical support as well as innovative ideas to keep the project cost effective while meeting all of the customer's needs. Two cranes from the old facility were brought to the new site. Konecranes modified these cranes to meet the new facility requirements.

said Todd Ebbert of U.S. Concrete. “Before we settled on this new facility, we looked at different options at existing sites and Konecranes helped us design and configure various options for each one.”

THE SOLUTION

The new facility would be built on an 18-acre site. The precast concrete manufacturing would be performed in an 80,000 sq. ft. building. The facility was designed for two large crane bays. These crane bays would be served by 10 total overhead bridge cranes with capacities ranging from 5 to 50-ton.

It was a concern that the building walls would not be able to support the crane's full capacity of 50-ton. Konecranes suggested that the center 40' span of the 80' bridge crane would lift the full capacity of 50-ton while the outer 20' of the span to either side would be limited to 30-ton capacity. This effectively reduced the load on the walls, and in addition, decreased construction costs.

THE RESULT

The facility as well as the crane way system were built to schedule and completed from start to finish in less than a year.

“The crane system has performed exactly as expected and we are very pleased with the results. We have converted a couple of the cranes to wireless pendants and may convert all of them in the near future.” said Ebbert. “Konecranes is our preferred resource for all of our overhead crane needs. Our long term relationship with Konecranes has benefitted us with the latest advances in technological and safety aspects for our lifting requirements.”

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FOR ALL OF OUR OVERHEAD CRANE NEEDS.”**