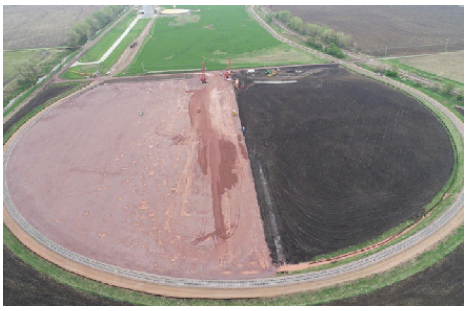
CASE STUDY
WIND TURBINE DISTRIBUTION CENTER

Company Profile

Wind turbine manufacturer with 30 years of experience designing, manufacturing, and operating wind turbines, delivering over 18 GW of renewable energy globally.



Business Challenge

The client sought a distribution center for wind turbines in Nebraska (Laydown Yard). The site needed rail and highway access, a minimum 12.5-acre storage area for tower sections and machine heads, and a 100-mile radius from the wind farm.

Solution

BNSF Logistics found 10,000 feet of railroad tracks on Nebraska farmland 22 miles from the wind farm. The proposed distribution center met customer requirements. BNSF Logistics developed the site to support a 250-ton crawler crane with a 245,000-pound machine head at 65 psi. Truck delivery of tower sections and machine heads to the wind farm required improving the site's access road.

Process / Procedure

BNSF Logistics completed the final design by thoroughly comprehending evaluating the customer's needs and the AAR's tank car structural requirements.

- Drones surveyed the property, and Virtual Surveyor and Civil 3D software were used to design and develop the site.
- Coordinated site development and county road improvement permit with City/County/State officials.
- The site was civilly designed.
- Construction of the laydown site and aggregate access road.
- Surveyed and designed highway access road improvements.

Benefits Achieved

- The project was completed on time and within budget.
- On-time delivery of 300 tower sections and 100 machine heads to the wind farm
- A reliable and ideal laydown site was created for this project and future projects.

NATIONWIDE NETWORK OF LOGISTIC CENTERS

At BNSF Logistics, we offer over 50 sites across the US for renewables. We specialize in siting and civil engineering for site layout and improvements, as inbound as outbound planning for rail and truck operations. Our team of experts is dedicated to providing efficient, reliable, cost-effective transportation and logistics solutions to ensure a seamless and successful energy project.