

Bearkat I



Wind farm overview



Installation



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Tower Installation

Site: Bearkat I, Texas, USA

Scope: Provision of skilled personnel for unloading, pre-assembly, installation, mechanical & electrical completion, tooling, HSEQ

WTG: 57 x V126 3.45MW

Client: KranWind LLC

Over a period of 18 weeks Global Wind Service (GWS) worked on the Bearkat I project. During that time more than 100 technicians have worked at site and a total of 14 cranes were used.

“Bearkat I Wind Farm represented KranWind’s first WTG installation project, and KranWind is very happy to have engaged GWS as its strategic partner and subcontractor on the project. Working together as a strong team, KranWind and GWS safely delivered a high quality project, and overcame multiple extreme weather and logistical challenges to complete the WTG installation work on schedule. KranWind looks forward to working with and alongside GWS on future projects.”

Said Chris Hills, Managing Director at KranWind LLC.

Installation

To ease the installation process and make it run smoothly, a pre-assembly crane installed the two lower tower sections on the hardstand. At the same time the nacelle,

hub and cooler top were assembled at site. The two main cranes then lifted the remaining two tower sections, nacelle, hub, and blades. Working this way, different types of work were carried out simultaneously ensuring a fast and effective installation phase. Installing wind turbines in this manner requires experience - 10 years of which GWS brought to the project, building on our vast experience from projects all over the world.

Mechanical and Electrical Completion

Once the turbines were installed, GWS technicians could move on to the mechanical and electrical completion part. This was carefully carried out in accordance with the manufacturers’ specifications before the turbines were ready to be handed over to the client for final commissioning and energising.

Tooling, HSEQ & Project Management

As part of the full scope installation and completion offering, GWS worked very closely with the client’s project management team, and also provided HSEQ (Health, Safety, Environment & Quality) and the complete tool set-up for the project including hydraulics and hand tools.

The Project

Bearkat I Wind Farm comprises 30,000 acres of land in Glasscock County, Texas. The 197.6 MW Bearkat I project, is one of various projects in the U.S. for GWS. In 2016 GWS installed five GE Haliade 150-6MW turbines in only 19 days at Block Island – the first offshore project in U.S. wind history.