

Why should you use a suspended platform for blade inspection & repair?

For blade inspection and repair operations, suspended platforms offer a safe, productive, and cost-effective alternative to cranes, ground-based lifts and rappelling solutions. Power Climber Wind offers a range of solutions to put workers on blade surfaces for the full range of work performed at height.

How do you inspect a wind turbine?

The wind industry has devised several ways to get a closer look at wind blades and towers. A technician might rappel out of the nacelle and slowly lower himself while giving the wind blade an inspection. Ground-mounted lifts carry technicians up on a platform. A rope-hoisted work platform or blade-access platform also helps.

How long does it take to build a wind turbine platform?

One design provides four different configurations that have custom functions for work on wind blades and towers. The platform breaks down and easily transports on a 16-ft utility trailer that meets DOT requirements for non-CDL transport. When partially preassembled offsite, it takes about an hour to set up and rig onsite.

How do wind farm cranes work?

The cranes themselves are getting larger and the winches work differently because they're essentially going up without a load and coming down fully loaded--resulting in severe wear and rope issues. On a traditional wind farm construction site, a crane's hoist rope might last the entire job.

Why do wind energy experts need more specialized lifting equipment?

Wind energy experts have been seeing growth in more specialized lifting equipment being produced to accommodate the speed and scope of these repower projects. Traditionally, the lifting industry used a lot more chain, or rounding material with protection, so tools or blades aren't damaged during a lift.

How long does a crane's hoist rope last?

On a traditional wind farm construction site, a crane's hoist rope might last the entire job. However, on a repower job, they might go through two hoist ropes in the same timeframe. It's resulted in a big transition for wire rope suppliers to provide ropes that can withstand the rigors of repower work.

gearbox, generator, shaft and bearings, structure, blades and hub o Structure may be due to the surveyed data including offshore wind plants o (Right) Median values of failures per turbine per ...

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The 360° Blade Access Platform is a truly universal turbine access solution that eliminates complex powered controls and expensive mobilization. This modular inspection platform is ...

In general, a mobile crane will set up near the wind turbine and attach rigging to the blade, lower it to the ground, rig the new blade and raise it into position, Farkas explained. ...

After more than 100 gearbox changes across the U.S. and Canada, Liftra's Self-Hoisting Crane technology has just replaced its first gearbox in Europe. The project was on a ...

For our business partners we offer inspection and repair services for chain hoist, service lifts, safety rail system and ladders installed in wind turbines. Additionally, we also provide ...

The Spider division of SafeWorks has launched a modular 360 degree suspended platform for wind turbine blade access, that can also be configured for simple blade inspection and main tower access needs. The ...

Our suspended platforms offer safe, productive wind turbine blade access for the full range of blade work performed at height. We offer a cost-effective alternative to cranes, ground-based ...

#46 Goldwind GW155 4500 wind turbine installed at Golden South wind farm in Assiniboia Saskatchewan Canada (courtesy Nicholas Gliddon) Every week on our website and in our email newsletter we want to show you ...

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