

Wind turbine hoisting accident

Are offshore wind turbines dangerous?

This rapid development is accompanied by high risks. Accidents involving offshore wind turbines (OWTs) are on the rise, and research on their risks has attracted increased attention.

How difficult is offshore wind power construction?

The construction of offshore wind power projects is implemented at sea, which means highly difficult construction. For the hoisting of large, heavy articles, the hoisting height is in excess. There is the risk of pile sliding if pile driving is located at the place with poor seabed geological conditions.

How to hoist a wind turbine safely?

Because the lifting height, load and lateral dimension during the safe hoisting process of the wind turbine are relatively large, the special jib structure of the all-terrain crane for hoisting wind turbine safely is adopted to solve the problem of interference between the crane jib and the wind power equipment.

Why is hoisting of wind power equipment a problem?

With the wide application of clean energy wind power, the hoisting of wind power equipment brings us great challenges. And the frequent occurrence of hoisting accidents also brings a lot of adverse effects to the society.

Are offshore wind turbine foundations a risk management problem?

Crucial challenges and findings for risk management of offshore wind turbine foundations are discussed. In recent years, the offshore wind power industry has developed rapidly all over the world in response to the gradual depletion of fossil fuel energy sources and concerns over environmental issues.

What are the risks of offshore wind power projects?

During the construction of offshore wind power projects, a lot of ships are gathered in the wind farm, and thus the risks of coordination are high. The established mechanisms of keeping distance and communications between ships are improper.

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