

How are the wind blades transported up the mountain

How to transport wind turbine blades up windy mountain roads?

Transporting wind turbine blades up windy mountain roads requires an advanced truck and some very skilled drivers. CIMC Vehicles recorded a journey up Baoding mountain in China which is 1,312 feet high. The company's trucks were carrying wind turbine blades that weighed 80-tonnes and were 172 feet long.

Why are wind turbine blades so difficult to transport?

Historically, transporting wind turbine blades has not been easy due to the increasing size and weight of the blades and the fact that wind farms are often located in remote and inaccessible areas.

How long does it take to transport a wind turbine?

It takes two weeks to transport one wind turbine blade up the tortuous route. President Xi Jinping has pledged to bring China's total wind and solar capacity to at least 1,200 GW and to cap its carbon emissions by 2030.

How long does it take to transport a giant blade?

It takes two weeks to transport each giant wind turbine blade up the mountain. Footage shows the blade swinging from right to left and creeping dangerously close to the side of the mountain. The delivery team is subject to extreme cold, altitude sickness, heavy storms, and snow during the transportation process.

How many blades does a wind turbine have?

Typically, a wind turbine has three blades moving about a horizontal axis, which produce kinetic energy as they rotate. Each of these blades ranges in length from 5 metres to well over 100 metres and weighs several tens of tonnes.

How did CIMC vehicles travel up Baoding mountain?

CIMC Vehicles recorded a journey up Baoding mountain in China which is 1,312 feet high. The company's trucks were carrying wind turbine blades that weighed 80-tonnes and were 172 feet long. In order to navigate the mountain's sharp corners the trucks needed to pivot the blades to fit the gaps.

The wind turbine blade is extremely heavy and long: It's 19 tonnes (nearly 42,000 pounds) and 75 meters (246 feet) long. Apparently, it takes two weeks for each blade to be transported up the route.

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It is certainly not an easy task to transport the blade of wind turbine, which measures 70 meters long and weighs 20 tons, to the top of a mountain. But workers in north China's Hejin City, Shanxi Province made it.



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An Inside Look at Wind Turbine Blade Being Transported To The Mountain Top? It's not easy transporting wind turbines. Hauling wind components is a hazardous and time-consuming task.

One of the challenges for its construction is to transport the giant wind turbines to the mountaintops. Each truck needs to carry a wind turbine blade that is 75 meters long and weighs 19 tonnes along winding mountain ...

The Blade Lifter technology helps move massive blades with minimal environmental fuss. Size Matters: Some blades stretch over 100 meters and are a beast to transport, especially through tight spots. Tech to the ...

Giant wind turbines are a common sight in the countryside, and we've occasionally seen them being transported on long flatbeds. But getting their enormous fan blades up a mountain along curvy switchbacks poses a unique ...

How to Transport Wind Turbine Blades | Best and experienced heavy haul carriers to quickly and safely transport your construction equipment with durable. info@freedomheavyhaul (866) ...

In July 2023, a very special transport took place in the Amsterdam port area. With the help of a convoy of trucks, wind turbine blades with a total transport length of about 95 meters per truck were transported. Quite a challenge, but it ran ...

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Small roads in the Scottish Borders mean turbine blades have to be transported to a wind farm pointing upwards. ... Storm Ashley could cause gusts of up to 70-80 mph (113-129km/h) in some areas of ...

Footage shows the giant blade slowly swing from right to left and creeping dangerously close to the side of the mountain. It takes two weeks to transport each blade up the tortuous route,...

Who knew wind power could be so awesome? The video at the bottom shows the incredibly tedious, yet equally fascinating, process of delivering 90 turbines to a wind farm in China. Located in Yunnan province, the 172-foot ...

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