

Explore the mechanics of modern wind turbines. Learn how anemometers, gearboxes, and electromagnetic induction work together to turn wind into a reliable source of renewable electricity.

Watch live video from the heart of the Mississippi River featuring eagles, ducks, and many more birds

Want to go behind the scenes with explore ? Check out the podcast interview with our Founder, Charlie Annenberg Weingarten on Marketplace Weekend with host Lizzie O"Leary.

Explore is the world"s leading philanthropic live nature cam network and documentary film channel. Our mission is to champion the selfless acts of others, create a portal into the soul of humanity and ...

The colorful-billed seabirds have begun their annual return to the Gulf of Maine"s Seal Island National Wildlife Refuge to settle in for the nesting season, and now you can watch it all live on explore!

Wind turbines turn wind power into clean, renewable electricity. This process involves several parts: blades, rotor, and generator. The blades catch wind energy. They"re made from light, ...

How Do Wind Turbines Work? Wind turbines work on a simple principle: instead of using electricity to make wind--like a fan--wind turbines use wind to make electricity. Wind turns the propeller-like ...

How does a wind turbine work? Wind turbines can turn the power of wind into the electricity we all use to power our homes and businesses. They can be stand-alone, supplying just one or a very small ...

Watch live video of elephants, hippos, lions, monkeys and other animals you would see on an African Safari with the African Animals cam in Kenya

Watch a pair of bald eagles raise their chicks in a nest near Decorah, Iowa. Get a closeup and intimate look at the life of wild bald eagles.

How does wind produce energy? It"s a fairly simple process: When the wind blows, the turbine"s blades spin which captures energy. This energy is then sent through a gearbox to a generator, which ...

To truly understand how wind turbines generate power--from the movement of their blades to the delivery of electricity into the grid--it is essential to explore every stage of the process, ...

Wind flows over the blades creating lift (similar to the effect on airplane wings), which causes the blades to turn. The blades are connected to a drive shaft that turns an electric generator, ...

Learn how wind energy works with our comprehensive guide covering wind turbine technology, energy conversion, and renewable power generation. Updated 2025.

As the shaft rotates, it turns the generator, converting wind into electricity through a process called electromagnetic induction. Inside the generator, the spinning shaft is surrounded by ...

Wind energy, or wind power, is created using a wind turbine, a device that channels the power of the wind to generate electricity. The wind blows the blades of the turbine, which are ...

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