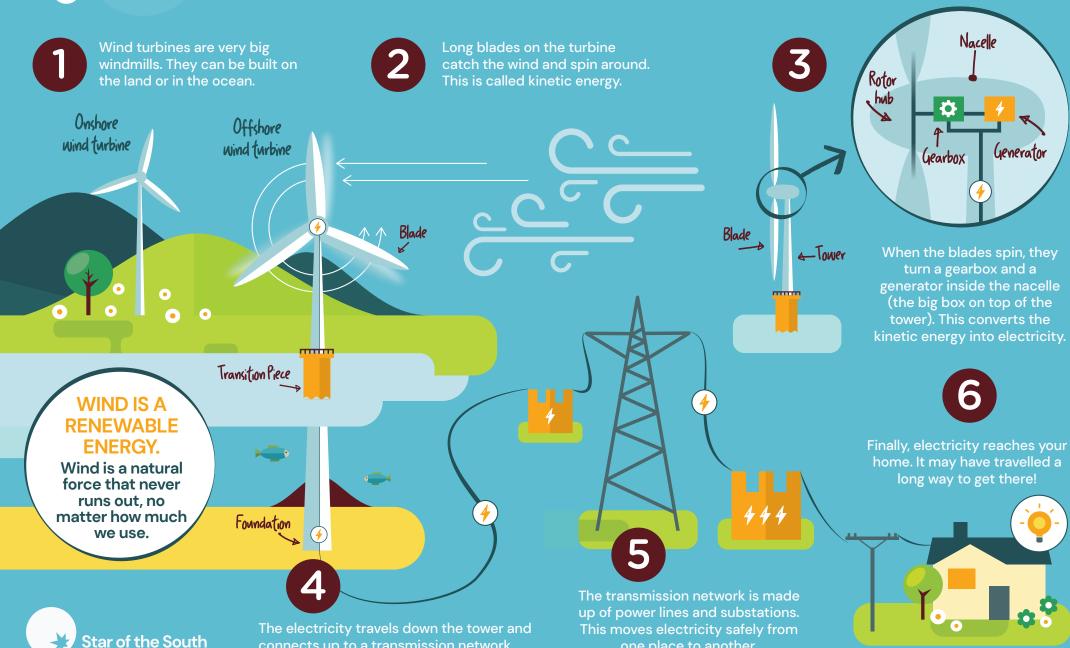
Wind energy

connects up to a transmission network.

Did you know that energy from the wind can be turned into electricity to power our homes? Here's how it works...



one place to another.



Electricity
Gippsland
Power
Kinetic

Renewable Turbine Blades Nacelle Substations Network Ocean Wind



Turbines in the ocean

The ocean is one of the windiest places on earth, making it an excellent place for wind turbines to make lots of electricity. Turbines used in the ocean are bigger and heavier than those on land because they need to hold up to the windiest, waviest conditions. They are installed by big ships.



If the wind isn't blowing, turbines can't produce electricity. That's why it's important to build wind farms in different locations where there are different weather patterns. Different types of renewable energy, like wind, solar and hydroelectric energy are used together, to be ready for many different types of weather.

FUN FACT

Some turbines have blades as long as a soccer field! Bigger blades catch more wind and create more electricity.

Australia's most advanced offshore wind project

Right now all wind turbines in Australia are built on land, but a big offshore wind farm is proposed to be built in the ocean, off the Gippsland coast. It's called the Star of the South. Look up www.starofthesouth.com.au to find out more.

Ask us your questions!

Do you have questions about wind energy or Australia's most advanced offshore wind project? Work with a teacher, parent or carer to email your questions to info@starofthesouth.com.au. We'll write back and do our best to answer your questions.

