

# THREE MAIN COMPONENTS of WIND TURBINES

GIANT BLADES + ROTOR = TURBINE

- AS wind passes by, it makes the blades spin. As a result, the blades, attached to the rotor, spin the shaft.

## THE SHAFT

- A gearbox that increases the speed of the spinning blades enough to power the electricity generator.

## THE GENERATOR

- converts mechanical energy of the moving wind into electrical energy.

THE BIGGER THE WIND TURBINE, THE MORE ELECTRICITY THAT IS GENERATED!