



Wind **technology**

Wind power is currently among the cheapest sources of large-scale renewable energy. It involves generating electricity from the naturally occurring power of the wind. Wind turbines capture wind energy within the area swept by their blades. The spinning blades drive a generator that produces electricity for export to the grid.

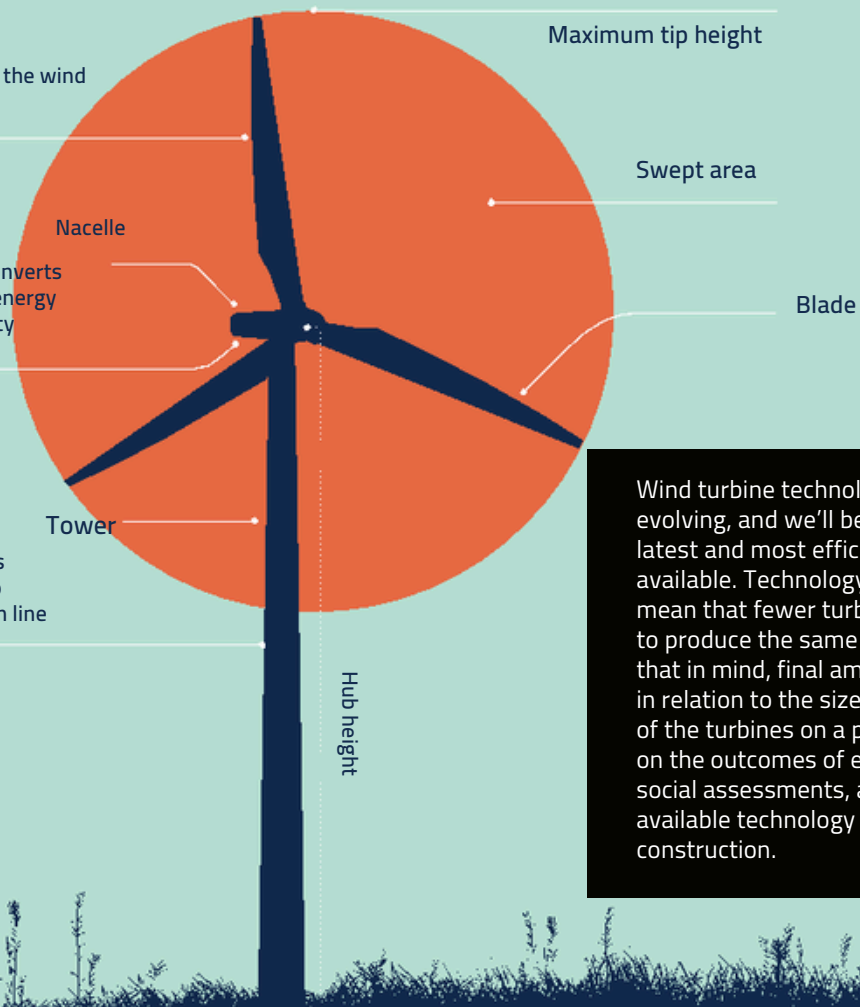
Source: Clean Energy Council

Wind energy explained

1 Blades catch the wind and spin

2 Generator converts mechanical energy into electricity

3 Cable carries electricity to transmission line



Wind turbine technology is constantly evolving, and we'll be using the latest and most efficient technology available. Technology advances mean that fewer turbines are needed to produce the same energy. With that in mind, final amount of detail in relation to the size and capacity of the turbines on a project will depend on the outcomes of environmental and social assessments, as well as available technology at the time of construction.