

## ContainerPower Energy Solutions

# Wind power generation system Wind energy



## Overview

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**Dramatic Cost Competitiveness:** Wind energy has achieved remarkable cost reductions, with new wind projects now pricing electricity at around \$26 per megawatt-hour, making it competitive with natural gas at \$28 per MWh and establishing wind as one of the most economical electricity sources available.

Wind turbines use blades to collect the wind's kinetic energy. 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, which produces (generates) electricity.

Why is wind power important?

Onshore wind is a proven, mature technology with an extensive global supply chain. Onshore wind has evolved over the last five years to maximise electricity produced per megawatt capacity installed to unlock more sites with lower wind speeds. Wind turbines have become.

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