



# Wind power generation profit margin

How big is the wind energy industry?

The global installed capacity of wind energy has now eclipsed 800 GW, with the next decade expected to add nearly another 100 GW per year, on average. This massive fleet - and potential for repeatable high-margin revenue - provides the primary source of profit growth for wind turbine OEMs.

What makes wind turbine OEMs profitable?

This massive fleet- and potential for repeatable high-margin revenue - provides the primary source of profit growth for wind turbine OEMs. Asset owners experience the highest average EBIT margins across the value chain, driven by the sale of electricity and project investment.

Is wind power the second largest source of electric-power capacity additions in 2021?

Wind power represented the second largest source of U.S. electric-power capacity additions in 2021, at 28%, behind solar's 40%. Wind power constituted 28% of all generation and storage capacity additions in 2021.

Do wind farms have a high EBITDA margin?

subsidies between the individual countries. Also incentive schemes are subject to changes and may differ between countries. In our experience, onshore and offshore wind farms operate with a rather high EBITDA margin of approx. 60-90%, which reflects the low marginal

How does wind affect the grid-system market value?

The grid-system market value of wind tends to decline with wind penetration, impacted by generation profile, transmission congestion, and curtailment. The regions with the highest wind penetrations (SPP at 35%, ERCOT at 24%, and MISO at 12%) have generally experienced the largest reduction in wind's value relative to average wholesale prices.

How much did wind turbine prices increase in 2021?

From year 15 to 20, project performance appears to average roughly 75% of early-year performance. Wind turbine prices increased by an average of 5% to 10% in 2021 given supply chain pressures. Wind turbine prices declined by 50% between 2008 and 2020.

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