



Siemens Gamesa power boost function

Increase your power production

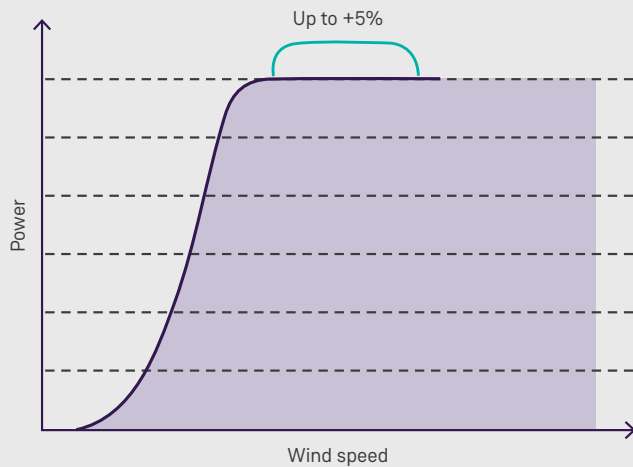
Introduction

Over the past 30 years, Siemens Gamesa has accumulated thousands of hours of service experience. Based upon this knowledge, we have established a flexible range of service products and solutions that are designed to increase reliability and optimize the output of wind turbines.

Product Description

Siemens Gamesa power boost function is a controller feature that increases power production of the turbine by raising the output limitation under certain operating conditions.

Increasing the turbine's nominal power output by up to 5% is done by increasing the rotational speed of the rotor proportionally to the power increase. Depending on wind distribution and temperature, the power boost feature can increase annual energy production up to 2%. Sites with the highest production benefits are offshore-sites, where typically the average wind speed is high and fluctuates little.



Siemens Gamesa power boost function can increase the turbine's nominal output by up to 5%.



The product feature is installed remotely and activated when the following operating conditions are within specified limits:

- Ambient temperature
- Main component temperatures
- Normalized wind speed
- Turbulence level
- Grid voltage levels

Product Benefits

Siemens Gamesa Historical Data Interface is available for all Siemens Gamesa Wind Farms.

Available for

Siemens Gamesa power boost function is available for SWT-2.3 and SWT-3.6 turbines. In addition, the product is available for SWT-3.0 turbines with STC-1 and DD22.

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