



# Case study Gamesa

# Gamesa. Taming the wind.

Can we tame the  
wind?

Definitely.



## The client

With 18 years of experience, Gamesa is a global technological leader in the wind industry, an industry continuously evolving to meet with greater demands for sustainable energy production. As part of potentiating energy production, Gamesa Electric switched to the AF contactor in their equipment and has thanks to the functional benefits of the AF contactor and ABB's experience saved money, time and space.

## The challenge

Having installed 24,143 MW through 2011, Gamesa is among the world leaders in the wind turbine design market. To meet with a growing market and with competition Gamesa is always looking for ways to improve efficiency and availability of products and services. One of the cost reduction lines identified showed that a lot of time and money could be saved in the assembly and design of the wind turbine's control panels. Therefore, Gamesa decided to sit down with ABB to come up with a solution.





## The ABB solution

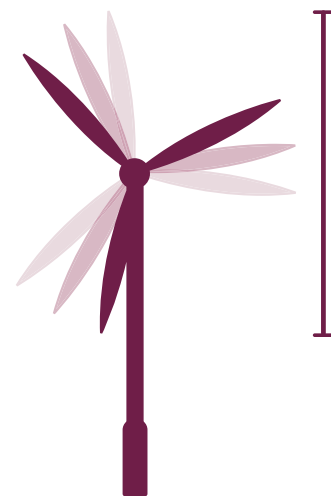
To improve efficiency and simplify assembly, Gamesa, after consulting the engineers of ABB, switched from conventional contactor technology in their equipment to the ABB AF contactor. Gamesa, which goal was to reduce the design process and assembly cost by 20%, is happy with the result – reaching both the goal of a 20% cost reduction and at the same time providing a more reliable product. Thanks to the flexibility of coil connections for the AF contactor, Gamesa has been able to reduce the length of cables in their cabinets.

The compactness of the AF contactor along with a reduction in energy consumption has helped reduce the size of cabinets and has helped simplify the assembly process. Built-in functions like the surge suppression is another aspect that help Gamesa stay on top of its business.

**To tame the wind, you need control.  
Take control.**

# 128 meters

The diameter of a Gamesa offshore wind rotor. That is 20 meters longer than the average football field.





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