

RETROFITTING TURBINE CONTROL SYSTEMS PAYS OFF

Changing focus

OUT OF ORDER

So far, most focus has been on replacing critical mechanical spare parts in wind turbines – while obsolete control systems have stayed largely untouched. But that is about to change.

Spica Technology delivers the only truly competitive alternative to time-consuming control system repairs and price-sensitive second-hand controller purchases on the market today. The Spica Retrofit Turbine Controller, and the easy access to spare parts that follows, allows service providers and owners to move focus from the dwindling second-hand controller pile to that of investment optimisation. Bachmann's CPU and software tools, we choose for them, suite perfectly to that concept.

The Spica Retrofit Controller is based on advanced technology, comparable to what you find in modern wind turbines. They replace the old control system in example a Nordex, Micon or Wind World turbine with an up-to-date system that provides customers with full, remote access to previously unavailable, valuable data. This extensive data collection makes it possible to monitor the wind turbine closely and carry out predictive maintenance that helps prevent

costly breakdowns. Designed to fit most aging stall regulated turbine types, the Spica Retrofit Controller is compatible with most monitoring systems and fully compliant with the environment in a turbine. The retrofit controllers are certified by the Danish Authorities for installation and operation in turbines.

At Spica Technology, engineers know and respect the costs connected to downtime. Therefore, they have developed a product aimed at reducing downtime from the moment the order is placed. Besides building a controller that physically fits into the turbine controller panel and current wiring – a genuine plug-and-play solution – they provide customers with an unprecedented three-year exchange guarantee, in case of a controller breakdown or serious malfunction. Also, the controller allows the user to add additional sensors, monitoring systems, etc. Once onsite, the Spica Retrofit Controller is installed easily and quickly.



Spica Technology is an international engineering company dedicated 100 % to the wind turbine industry. Since 1997, Spica has developed, produced and installed innovative software, electronics and electrical equipment in new and existing wind turbines - both onshore and offshore. The core competencies of Spica's employees are software/electronic development and electrical engineering. In every project, Spica takes on the challenge of advancing wind performance.

www.spicatech.dk

» We started 20 years ago with smaller turbines. Recently, we entered the market for big turbines. The cooperation with Bachmann helped to open doors. «

Benny Thomsen
CEO, Spica Technology

