

CMS PARTNERSHIP FOR THE DIGITAL BUSINESS MODEL

Revolutionizing the service business with plant data

As part of its predictive maintenance strategy, BKW Group in Germany tested the Condition Monitoring System (CMS) of Bachmann Monitoring. The test was so successful that the wind farm operator decided to form a strategic partnership with Bachmann Monitoring! The future aim of the two companies is to roll out a comprehensive health monitoring system for the wind turbine fleet. Status information for imbalance, rotor blade, gears and tower is kept secure in the ownership of BKW and revolutionizes its service business at its plants.



Headquartered in Bern, the Swiss capital, the BKW Group constructs and operates energy production and supply infrastructures and offers digital business models for renewable energy. BKW currently operates ten wind farms in Germany. It invests heavily in wind power and is positioned as a medium-sized power station operator in Europe.

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Sustainable management and above-average wind yield are BKW's highest priorities. The company achieves this by implementing efficient operational control and a predictive maintenance strategy. During the construction and operation of the wind turbines, the company only carries out those tasks itself by which it can provide added value on account of its own expertise. In the other areas, BKW collaborates with partners with whom it seeks to establish long-term contractual relations. Bachmann Monitoring is its partner for Condition Monitoring. Together with BKW it is developing a comprehensive, state-of-the-art health monitoring system, which predicts any maintenance needs and can thus optimize the costs for maintenance and logistics. »In order to standardize our service business, we also need digital standards for the Condition Monitoring technology, in other words: We definitely want a CMS with some »sense and intelligence«,« says Martina Dabo, head of asset management and development. Holger Fritsch, CEO at Bachmann Monitoring adds: »The partnership is driving progress since it offers us several formal freedoms. We can concentrate completely on evaluating which plants would benefit

from balance monitoring, a rotor blade CMS, gear or tower monitoring. We then draw up the separate individual projects on the basis of the evaluation and implement them.« BKW is pioneering the digitization of the energy system and is using its own data to provide added value to the customer with additional service options. The data is kept securely on the customer's servers so that they have the rights to their own information at all times.

BKW spent a long time thoroughly considering whether to invest in a CMS system. »For them, it was important to examine Bachmann's know-how and solutions before forming a strategic partnership. The human factor was also naturally a key factor here. Both companies have a high level of quality awareness. That's why the partnership works so well,« says Holger Fritsch. The system was initially installed at the Bockelwitz wind farm in Saxony. A task for which Bachmann won the respect of the customer. This resulted in a considerable number of orders for other parks such as those for the Dubener Platte, Bippen, Holleben and Sendenhorst.