



Case/ Engineer/ WEG

Managers of one of the largest wind park in the country adopt the **KeepControl ECM** to organize and control the issuance of documents

According to the Brazilian Association of Wind Energy (ABEEólica), Brazil already has almost a Belo Monte in energy generated from the winds. The resource represents 7% of the national energy matrix.

Santa Vitoria do Palmar Wind Farms Complex, by Atlantic Renewable Energy, is the result of the increasing investment in renewable energy sources. Located in the south of Brazil, it is one of the largest wind farms in Latin America.

There are 69 towers of 120 meters of height with aerogenerators of 3,000 kW, totaling 207 MW of installed power. The complex has 10.424 hectares and the estimated investment is of R\$ 1,2 billion.

The numbers give the dimension of the project. By involving several companies, with specific management processes, the project presents challenges inherent in high complexity projects, such as:

- Need to centralize and standardize document exchange
- Multidisciplinary interactions and complex workflow
- Documents with different formats and presentation
- Exchange of information between different companies.



CUSTOMER WEG

EXPERTISE

Oil and gas, steel, energy efficiency, civil construction, mining, electric traction, solar energy, among others.


NUMBER OF

EMPLOYEES + 10,000

Jaraguá do Sul - Brazil

DEPARTMENTS USING
KEEPCONTROL

Engineering, Information
Technology (IT).



69 aerogeradores
com geração de 3 MW
207 MW de potência instalada

The contracting of a GED solution aims to decrease these difficulties, reduce failures during the process, increase security in the final delivery and reduce the costs of operations.

THE CHALLENGE

WEG Group is responsible for the Electrical Balance of Plant (BOP) of the implementation. Among the companies related in the workflow lead to Atlantic Renewable Energy, WEG and Eletrosul.

WEG Group fulfills, among other activities, the role of designer. Provides the electrical package including the largest transformer designed for a wind farm in Brazil (Transformer 275 MVA - 525/138 / 13.8kV). In addition to logistics, the main challenge for managers that led the project was to improve the process of communication and exchange of documents among the 14 companies involved in the project.

Some technical details increase the difficulty in managing documentation effectively. Documents with different standards, controlled processes and a complex workflow were among the main challenges.

With several stages of review and analysis, management through traditional tools like email, spreadsheets and FTP is unfeasible. Complex processes increase the need to use a tool that ensures control of each stage of the project.

Transformador

525 kV de potência

Autotransformador Trifásico

275 MVA – 525/138/13,8 kV



THE SOLUTION

WEG Group has chosen the KeepControl systems with the aim of automatize and centralize document management in addition to increasing control of all processes. The managers' intention was to make the project more dynamic, reduce the loss of important documents and accumulated failures by the end of the project.

THE RESULTS



“With KeepControl, we have significantly reduced failures during the process and the need for rework. As a result, the project costs decreased”, says João Ricardo Beltramin, an electrical engineer at WEG's Substation Business Center.

According to the engineer, the software KeepControl ECM made possible:

- Have a diagnosis about the evolution of the project and identify which processes are delayed by means of relevant performance indicators.
- Fully automate and control the transit of documents
- Quickly and efficiently review the flow of documentation circulating on the construction site



netprecision

Since 2002, Netprecision provides solutions on Enterprise Content Management (ECM) for engineering projects.

We operate in all stages of the project, from the designer to Engineering of the Owner and also in the implementation stage.

Our ECM software KeepControl serves companies located in three continents and more than seven countries.

Our experience allows us to manage the documentation of any engineering project, regardless of the complexity and location.

[TALK WITH A CONSULTANT](#)