

Operational Excellence

Wind turbine blades

Offshore turbine blade improvement (UK)

For the largest turbine blades that are currently commercially available, production planning was improved by introducing a new planning tool. With this tool potential improvements have been visualised, and improvement projects were initiated in order to further reduce the cycle time.



Portfolio management system (NL)

In order to control all corporate projects globally, back office software has been selected and corporate procedures have been implemented. Now the status of all running and upcoming projects can be monitored at the headquarters of the company.



Portfolio- en Projectmanagement

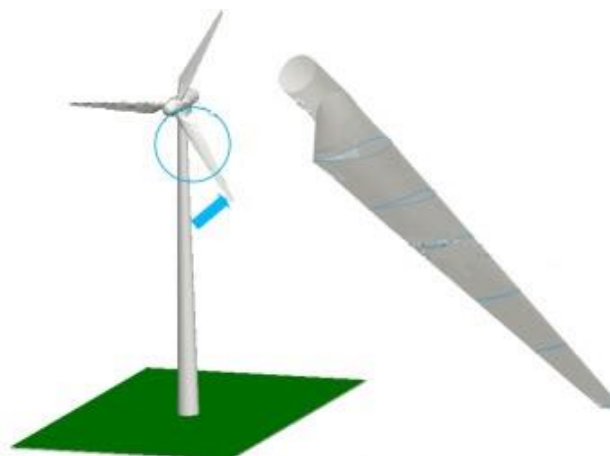
Wind turbines are being installed at an increasing pace globally. In order to continuously reduce wind power costs, production times are constantly being reduced. In this project the portfolio of multiple cycle time reduction projects and their interactions was managed.

At the customer's site (India) cycle times were reduced with 25% by a package of improvements. The project made it possible to extend the improvements to other production sites and blade types as well.



Introduction Quality Control System (China)

For a Chinese manufacturer of wind turbine blades a quality control system was developed and introduced with a multidisciplinary team. Six sigma based trainings were conducted in order to adopt the new system. As a result, not only blade quality but also manufacturing efficiency can be improved.



The future of wind energy

The international Paris Climate deal (CRO21) was signed in 2016. It can be expected that the demand for sustainable energy technology will continue to rise globally. New innovations lead to higher efficiency and wind energy costs are continuously falling. The power / investment ratio will undoubtedly convince many investors to choose for wind energy in the near future.

Cycle time improvement

By analysing manufacturing steps and their interaction of resource requests, the total cycle time of turbine blades was predicted. As a result, the impact of improvements by time reduction, resource conflicts and mutual interactions have been predicted and optimised.

