

Harnessing the power of the wind with big data analytics supported by Lenovo NeXtScale

Solution components

Hardware

- Lenovo NeXtScale M5 with 662 compute nodes with over 17,000 cores powered by Intel® Xeon® E5 family of processors
- Lenovo Intelligent Cluster
- Lenovo System x3850 X6
- Lenovo RackSwitch G8052, G8272
- Mellanox SX 6025 switch

Software

- RHEL, CentOS, xCAT, IBM Streams, Open Grid Scheduler



“With the Lenovo cluster, we can run the compute-intensive streaming data analyses and simulations we need to ensure customers benefit from our expertise.”

— Lars Christian Christensen, Vice President, Vestas

Vestas

[Case Study](#)

Customer success summary

To help customers get the most out of their investment in wind turbines, renewable energy giant Vestas deployed a Lenovo NeXtScale System M5 cluster to support game-changing big data analytics. Today, the company can analyze streaming data from over 33,500 turbines around the world – delivering actionable insight to improve manufacturing, assembly, maintenance and customer services, and helping to make clean renewable windpower, predictable and commercially viable worldwide.

