GOLDWIND

intel

20% increase

in prediction accuracy with the new solution compared to the accuracy of the old solution.[1]

"The united end-to-end architecture and advantages in time series data analysis provided by Analytics Zoo has made our multi-model integration solution for power prediction using weather forecasting data faster and easier to deploy. Prediction accuracy and stability have also been significantly improved."

Zhang Li, Chief Architect, Goldwind SE

Goldwind SE Builds Advanced Intelligent Power Prediction Solution for New Energies

Goldwind SE is combining deep learning and machine learning with data from turbine-level weather forecasting and wind trajectory simulation to develop an innovative, ultra-refined smart power prediction solution with high performance and accuracy. The distributed architecture based on Analytics Zoo, Intel's unified big data analytics and AI platform, encompasses everything from feature engineering, capture of impact factors on predictions, multi-model integration and customized policy updates. Goldwind SE's data showed that introducing this enhanced AI prediction solution to wind farms can help power enterprises improve their generation efficiency and improve the feasibility of environmentally friendly, green energy.

Products and Solutions
Intel® Xeon® Scalable Processors
Analytics Zoo
Intel® oneAPI Math Kernel Library

Industry
Renewable Energy

Organization Size
5,001–10,000

Country
China

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Case Study