SKF solutions to optimize wind farm performance

Stay competitive and solve your technical challenges
SKF Solutions to optimize wind farm performance

SKF offers a wide variety of solutions to help wind farm operators meet the needs of the ever-expanding range of wind turbine sizes and designs.

A Main Shaft
Full system solutions optimized for wind applications.

SRB Wind
Customized main shaft spherical roller bearing design optimized for a more sustainable, reliable, cost-effective solution. By eliminating unnecessary features and improving those critical to the application, the robust SRB Wind symmetric design provides cost advantages over competitive a-symmetric designs.

SKF Nautilus
Single bearing solution for direct drive turbines, based on double row tapered roller bearings, arranged back-to-back.

SKF NoWear coated bearings
Wear-resistant carbon coating that can be applied to the rolling elements of a bearing to provide a unique combination of low friction and high hardness. During the running-in period, minute amounts of the coating material are transferred to the counter-surfaces. This coating reduces friction and improves resistance against wear and smearing, even in bearings where only the rolling elements are coated.

SKF industrial seals
Completely customizable, keeps lubricant in place, excludes contaminants, increases reliability and performance, easy installation and up-tower replacement.

B Generator
Superior insulation and protection against stray currents.

SKF & MRC hybrid bearings
Upgrade to hybrid bearings to protect turbine generators. The ceramic rolling elements virtually eliminate the risk of electrical damage and the huge repair costs and lost energy production associated with it.

INSOCOAT bearings
The special aluminum oxide coating in this upgrade greatly reduces current passage to help eliminate premature failure caused by stray electric currents.
**Pitch & Yaw**

Optimized bearing upgrade designs developed from failure analysis.

**SKF high endurance slewing bearings**
Redesigned geometry and enhanced sealing boost turbine energy output.

**Kaydon pitch and yaw bearing upgrades**
- Mitigate edge loading and strengthen raceways
- Address separator load and wear
- Prevent contamination ingress
- Retain lubricant

**Gearbox**

Robust high-performance designs to suit all positions. Upgrades available.

**Tapered roller bearings**
Customizable range designed to improve performance of high-, intermediate- and low speed shaft arrangements.

**Cylindrical roller bearings**
High load carrying capacity, low friction, long service life and enhanced reliability for demanding applications.

**SKF separable high-capacity cylindrical roller bearings**
Designed to help high-speed and intermediate shafts withstand greater loads.

**Black oxide**
Reduces the probability of bearing failure due to fretting, micropitting and white etching cracks.

**SKF sealing solutions**
HMS and HDS radial seals for low speed shafts. V-ring seals for high speed shafts.
SKF offers solutions to extend the bearing life cycle

**Maintenance and Repair**
- SKF Induction Heaters
- Hydraulic tools
- Shaft alignment tools
- Sealing solutions
- Grease pumps
- Basic condition monitoring tools
- SKF online monitoring – IMX-8

**Accessories**
- HMS lock nuts
- Housings
- Couplings

**Supply Chain Optimization**
- Bearing remanufacturing
- Spare parts management

**SKF Resources for Wind Energy**

**SKF Bearing, Seals and Maintenance Products**

Customer Service  
(888) 753-3477  
wind.energy.usa@SKF.com

Engineering  
(888) 753-2000  
Askengineeringhotline@skf.com

Sales  
Contact your SKF Territory Manager and/or  
Otto Diaz: otto.diaz@skf.com

**Kaydon**

Customer Service  
(800) 756-7506  
Bearings@kaydon.com

Engineering  
(800) 756-7506  
Corey Bayles: Corey.d.bayles@skf.com

**Lincoln Lubrication**

Customer Service  
(314) 679-4200  
Lincoln.customer.service@skf.com

Engineering  
(314) 679-4169

Visit skf.com/us/industries/wind-energy

© SKF is a registered trademark of the SKF Group  
© SKF Group 2020

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB 800-640-Mdpt - March 2020 - 20018-1d03M

Certain image(s) used under license from Shutterstock.com.