



WIND  
ENERGY



## Wind Energy

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Our core manufacturer partners are known worldwide, are innovative and offer products that are designed and engineered specifically for the Wind Energy Industry.

[BDIExpress.com](http://BDIExpress.com)

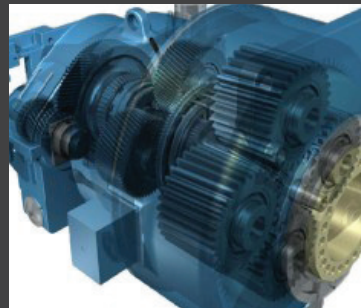
## OVERVIEW & PRODUCTS

BDI works with manufacturing companies around the world to deliver comprehensive maintenance and repair solutions for the Wind Energy market. In partnership with our suppliers, we provide education, support, and repair assessment for many critical industry applications.



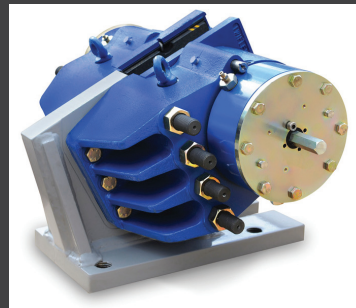
### Bearings

- Main Shaft Bearings
- Main Rotor Shaft Bearings
- Generator Bearings
- Gearbox Bearings
- YAW Bearings
- Slewing Ring



### Gearboxes

- Planetary
- Parallel-Shaft Gearboxes
- 10-20 rpm to 1500-1800 rpm on high speed shaft



### Brake Assemblies

- Blade Pitch Brakes
- Rotor Brakes
- Yaw Brakes
- Caliper Brakes
- Electrically Released Brakes



### Couplings

- Shaft Locking Devices
- High Speed Shaft Couplings
- Protection from torque overload

## Supplier Partners

BDI has teamed with leading manufacturing partners to provide an extensive product offering that supports traditional and innovative technologies.

Our core manufacturer partners include (but are not limited to) the following:

- |               |                      |               |                 |
|---------------|----------------------|---------------|-----------------|
| • Altra       | • Fafnir             | • Koyo        | • SEW Eurodrive |
| • Ameriloc    | • FAG / INA / Barden | • Lubriplate  | • Sumitomo      |
| • Browning    | • Garlock            | • NSK         | • Simatec       |
| • ContiTech   | • Gates              | • NTN         | • SKF           |
| • Dayco       | • Honeywell          | • Ring Feeder | • Svendborg     |
| • Dichtomatik | • Ialk               | • Rotec       | • Timken        |
| • Dow Corning | • Kaydon             | • Schaeffler  | • Tsubaki       |



## SERVICES

- Cost Savings
- Engineering
- Inventory Analysis
- Inventory Management
- Lubrication Survey
- OEM Interchange
- Repair
- Share the Spare
- Standardization



## 24-HOUR RUSH SERVICE

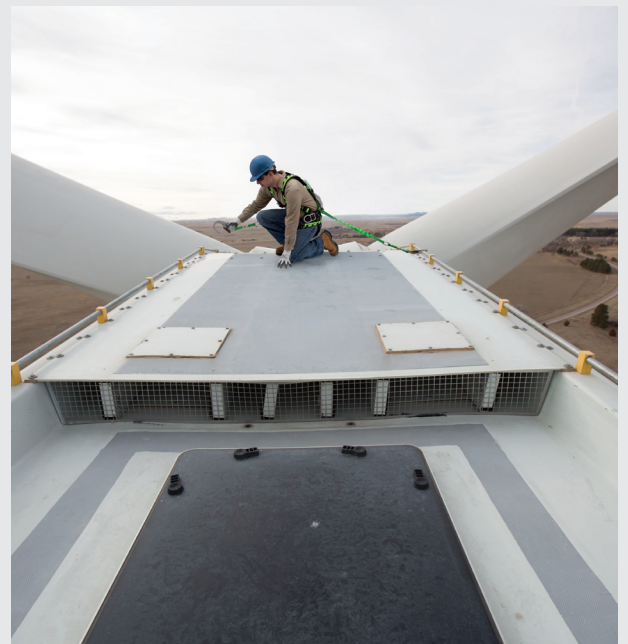


Whether provided by your local BDI branch location or by BDI's Distribution Center, we are available 24 hours a day to keep your operation running in emergency situations.

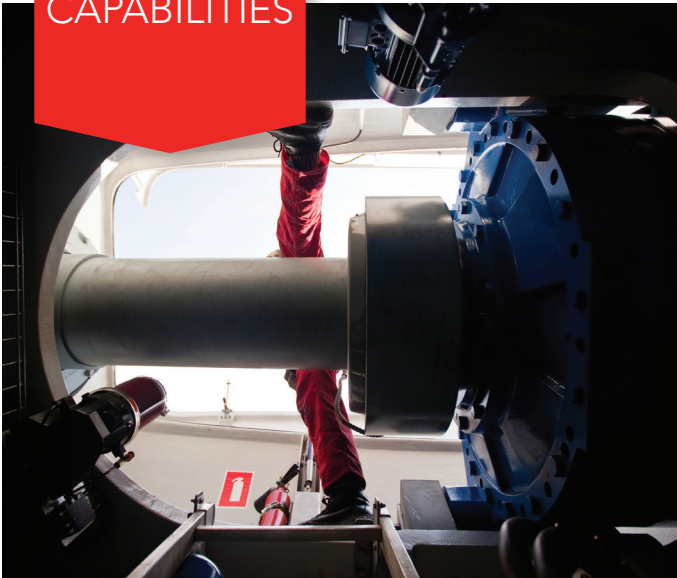
## Wind Energy Has Arrived

It's no wonder that wind is the fastest growing energy segment in the United States today. In addition to having the lowest environmental impact of any source of electricity generation, wind is cost effective and represents a sustainable, domestic energy source.

Wind energy is no longer the future; it is the here and now. BDI's Wind Energy Team is knowledgeable and ready to deliver the products and solutions you require to succeed.



## CAPABILITIES



### Our Services Can:

- Increase turbine reliability
- Reduce turbine maintenance demands
- Simplify maintenance procedures
- Reduce downtime and lost productivity

### Additional Applications

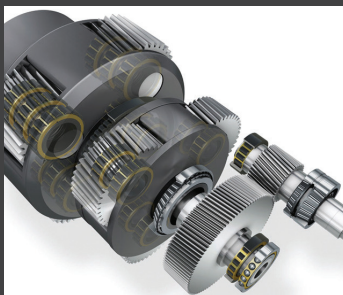
- Drivetrain
- Generator
- Rotor Hub
- Mechanical Brake
- Rotor Blades
- Yaw System
- Support and Housing
- Hydraulic System
- Sensors
- Electrical System Parts
- Electrical Control



### Bearing

Wear-resistant and case-carburized bearings can help improve uptime and operational efficiencies while lowering total operating and maintenance costs.

- Reduce shear stresses on raceways
- Help inhibit crack initiation and propagation
- Polish away the raised edges around the debris craters helping negate the fatigue-life-reducing mechanism.



### Gearbox

Critical gearbox repair services for all sizes, makes and brands. This service provides a cost-effective solution when factoring in the value of preventative maintenance versus the cost of downtime.

## Supporting Categories



### Lubrication

The automatic single-point lubricator comes in four different sizes and services all possible types of lubricating points, 24 hours a day .



### Safety

BDI provides a full line of safety solutions that keep you connected and protected on any site location, no matter the height challenges involved.





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## Success Made Easier

BDI is a full line distributor for Bearings, Mechanical and Electrical Power Transmission, Fluid Power, Sealing/Retaining/Lock Devices, Industrial Hose and Fittings, Conveyor Belting, Linear Motion and related industrial products.

Branches are located throughout the USA, Canada, Mexico, Europe and Asia.

For more information on BDI's Wind Energy capabilities, please contact us.

### *More Than Bearings*



TOOLS



LUBRICANTS



ELECTRIC  
MOTORS



SAFETY



FLUID  
POWER



GEAR  
REDUCERS

*branch label here*