

N1000 1MW
Wind Turbine



Utility Scale
Community Focus



nordicwindpower.com

Simple,
Light-Weight Design

Low Drive
Train Loading

Demonstrated
Reliability

Proven
Track Record

Low Upfront Costs

High Reliability

Low Maintenance

Predictability

The N1000 1MW two-bladed wind turbine is your choice for lowest total cost of energy

Proven and Innovative

Revolutionary flexible design enabled by the two-bladed system dissipates loads resulting from turbulence and wind shear without adding material and weight. Proven N1000 technology based on more than 13 years (140,000 hours) of operation with exceptional reliability and trouble-free drive train performance.

Easy Installation and Low Maintenance:

- More straightforward site construction requirements
- Less material needed for foundation
- Use of smaller, more available crane
- Only 4 truck shipments and 3 crane picks
- Ground assembly of nacelle/blades is safer and more efficient
- Fewer components with reduced complexity
- Affordable, customer-oriented service options

Ideally Suited for Smaller Wind Projects, Including:

- Community Wind
- On-Site Generation
- Small Wind Farms



Installing nacelle and blades in one pick.

Advanced Weather Station
With superior instrumentation

Torque Tube
Maintains gearbox and generator alignment

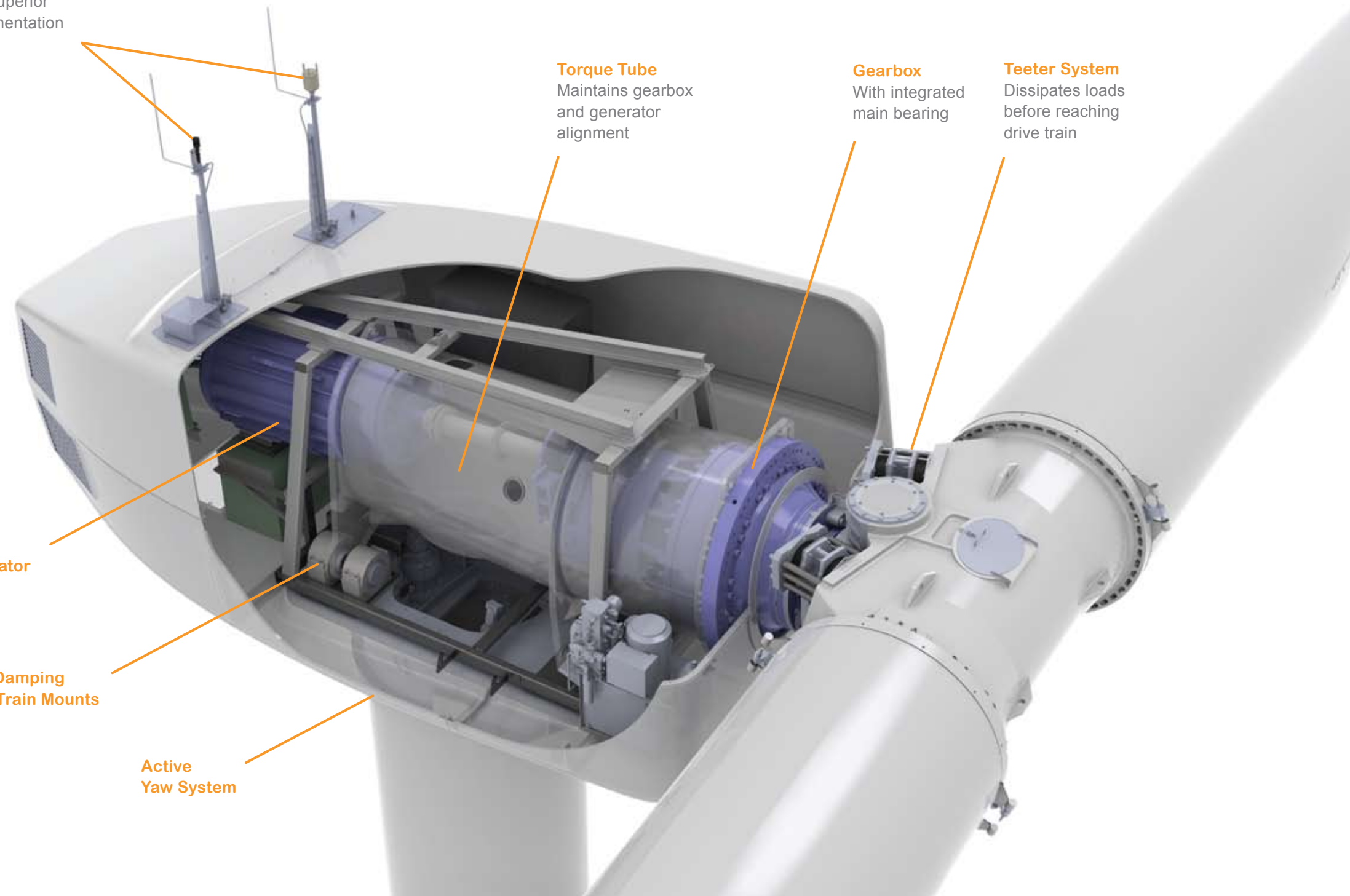
Gearbox
With integrated main bearing

Teeter System
Dissipates loads before reaching drive train

Generator

Load Damping Drive Train Mounts

Active Yaw System



General

Rated Power	1000 kW
Design Class	IEC Class IIIb
Rotor Diameter	59 m
Control Principle	Stall

Gearbox

Type	2 Planetary & 1 Stage Helical
Gear Ratio	1:81

Generator

Type	4-Pole Induction, Air Cooled
Voltage / Frequency	690V 50 / 60Hz

Tower

Hub Height	70 m
Sections	2

Control System

Distributed Control System	Bachmann M-1 PLC, DEIF AGC-3
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Noise Level

Less than 104 dB(A) at 8 m/sec

Weights

Nacelle/Hub	43 t
Blades (2)	4.2 t ea.
Tower	63 t

t = *metric tons*

For more detailed information, see the N1000 Specifications Sheet.



US Company, with corporate offices in Berkeley, CA,
manufacturing in Pocatello, ID, and engineering design in Bristol, UK.

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