

Online CMS VIBNODE for Wind Power Plants (WPP)

Condition Monitoring ◀

Valid starting: immediately

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1 Due to the high level of damage to wind power plants
2 (WPP), insurers have included new contractual ser-
3 vice and maintenance clauses. The deployment of a
4 certified CMS in conjunction with well-engineered
5 service concepts is state-of-the-art for larger
6 plants from 1.5 MW. Basler Securitas and Marsh GmbH
7 now offer improved insurance conditions to operators
8 of smaller WPPs (0.6-1.5MW) with constant RPM if
9 they upgrade their plants with the VIBNODE Online
10 CMS from PRÜFTECHNIK. This means that condition-ori-
11 ented testing for all plant components, even in 1.5
12 MW plants, only needs to be carried out every 24
13 months. A 12-month cycle is mandatory without CMS.
14 In addition, lower depreciation of all power train
15 components (incl. blades) is possible, and expensive
16 offline measurements can be avoided. The VIBNODE on-
17 line CMS inspects designated frequency-selective di-
18 agnostic values of gears and generators round-the-
19 clock and alerts the plant manager by eMail if any
20 limit value is exceeded. Also the trends over time
21 (e.g. the characteristic value 'gear meshing fre-
22 quency') and, in the case of alarms, frequency spec-
23 tra are sent to the PRÜFTECHNIK Diagnostic Center
24 for evaluation. Within the context of "condition-
25 oriented testing", this type of early damage detec-
26 tion makes it possible to plan repair work, helps to
27 prevent subsequent damage and unplanned standstills
28 as well as optimizing the period of replacing compo-
29 nents with a limited lifetime. Further information

Press release

VIBNODE® is a registered trademark of PRÜFTECHNIK AG

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Ein Unternehmen der PRÜFTECHNIK-Gruppe

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Press release

30 is available by eMail on request:
31 diagnostic@pruftechnik.com,
32 Thomas.Andernach@basec.de,
33 Dieter.Schimana@marsh.com,
34 or can be discussed in person during the HUSUM Wind
35 Trade Fair (20th -24th September) at the PRÜFTECHNIK
36 booth (4A60) in Hall 4, or at the Marsh booth (3B53)
37 in Hall 3.

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VIBNODE Wind press photo



Press release

A high-resolution file of the press photo (300 dpi) can be downloaded directly from the PRÜFTECHNIK homepage under:

www.pruftechnik.com/vibnode_wind.jpg

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