



How can you foresee the future?

Now you can pinpoint damage long before it occurs

With the addition of Advanced Vibration Diagnostics service you can

- Streamline your maintenance and servicing schedules
- Avoid lengthy downtime and consequential damage
- Minimize your business risks

Without having to be on site.





See the tiniest crack – wherever you are

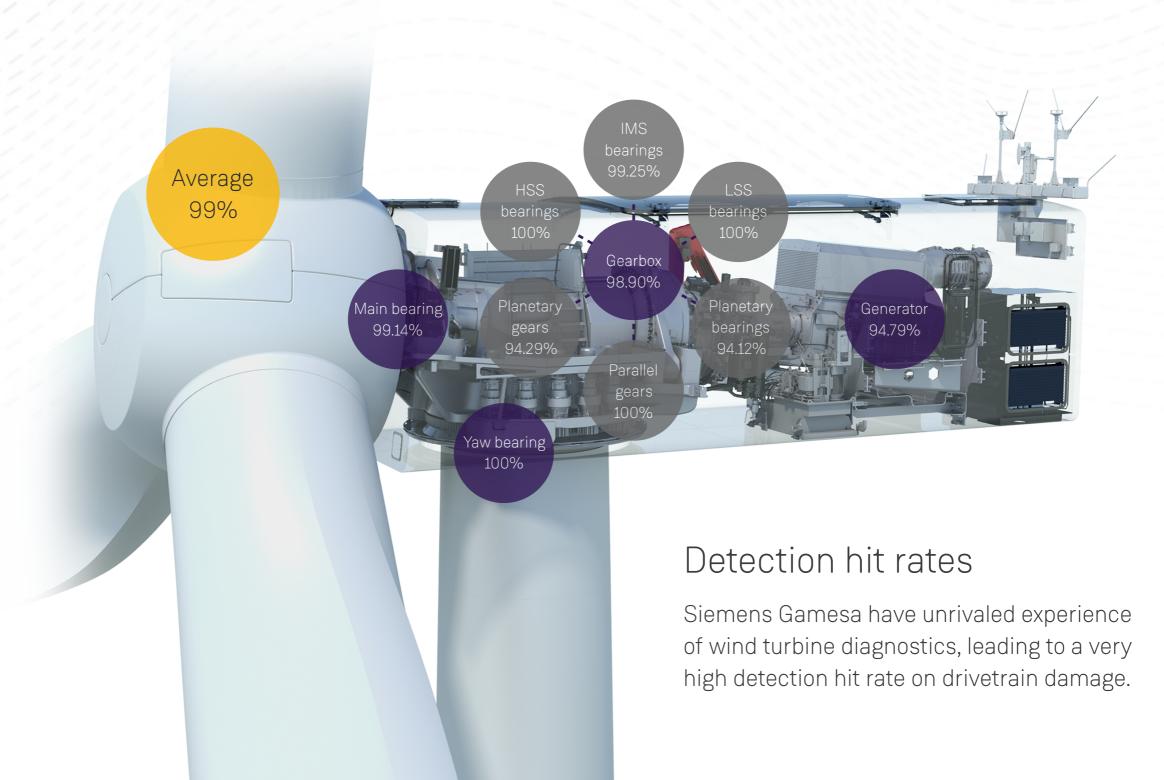
Human expertise and valuable data in one

A stand-alone module from our remote diagnostic services (RDS) portfolio, Advanced Vibration Diagnostics combines

- Our unique domain knowledge developing and servicing wind turbines
- Data management from +10,000 turbines over two decades
- High-end analytic capabilities

For exceptionally early predictive maintenance with consistently high hit rates.

Know your turbine in detail



Precise prediction

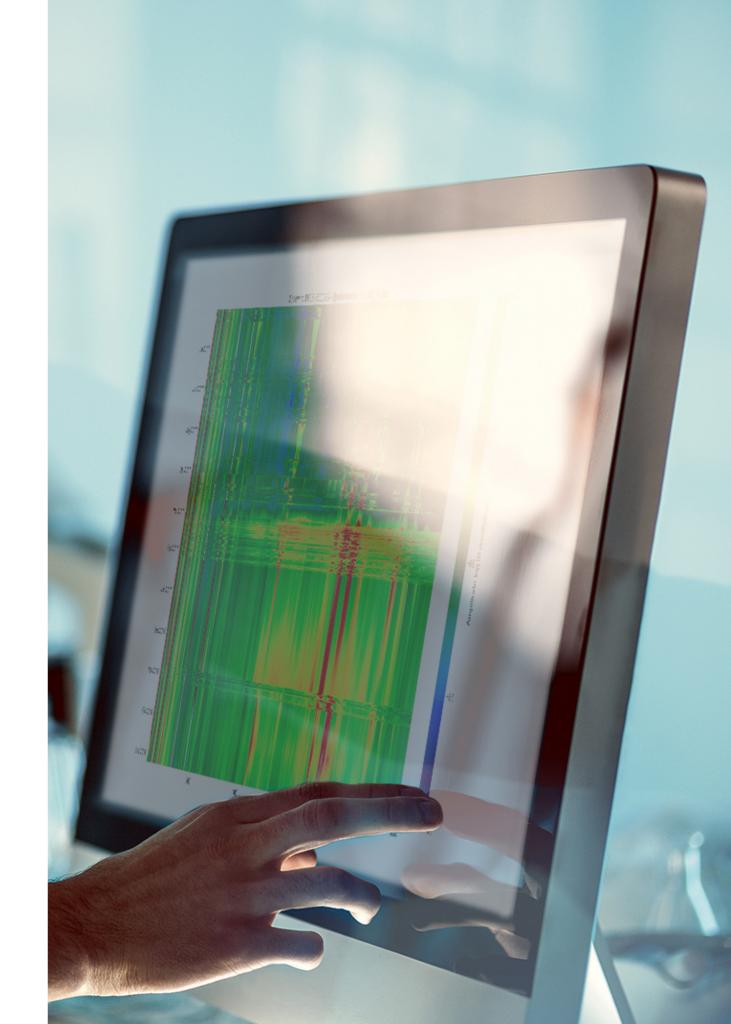
PythiaTM diagnostics

Big data analysis of our large historical data pool results in the intelligent algorithms that power our diagnostic models running in Pythia, an agile platform allowing us to continuously improve our diagnostics.

Pythia allows for

- Digital twins
- Daily health checks
- Optimized spare part forecasts
- Risk-based planning

For the early prediction of potential damage – up to three years in advance.





Your benefits

Advanced Vibration Diagnostics service offers you

Warnings up to three years ahead enable optimized spare part forecast and servicing strategies

99% detection hit rate on drivetrains lowers the risk of consequential damage and downtime

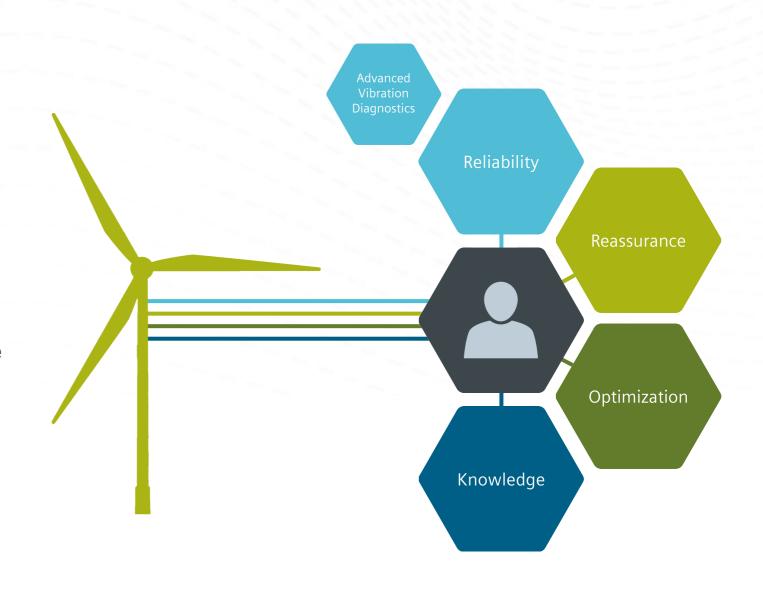
Accurate location of affected parts within the turbine, allowing a faster exchange of replacements through optimal planning of tools and components

Minimizing downtime, improving your AEP and helping you control your business risk.

Yet another level of flexibility

Advanced Vibration Diagnostics is now available as a single module for self-performing customers.

Advanced Vibration Diagnostics is a subset of our full scope of Vibration Diagnostics, which is part of our service agreements and also includes a basic module.



Contact

Siemens Gamesa Renewable Energy, S.A.

Borupvej 16

7330 Brande

Denmark

