



Through the use of performance benchmarking, Natural Power can quickly translate large amounts of your asset's SCADA data into valuable information, allowing turbine health and underperformance to be quickly and easily identified and quantified.

Our experience managing over 5.5GW of wind assets has allowed us to develop meaningful KPIs which can alert clients, site managers and maintenance teams to the first signs of asset under-performance. Tracking numerous signals across turbines, wind farms, or portfolios providing the confidence required to make maintenance and inspections decisions. Whether you are looking to optimise performance for the long run or get the most out of the turbines short-term, our specialised tools give you the information to ensure you make the right decisions.

Natural Power utilises four streams of performance benchmarking, each providing unique information about the asset's health.

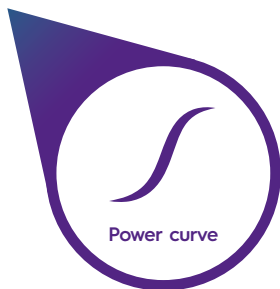
Comparison of the frequency and energy loss per event.



Comparison of component temperatures.

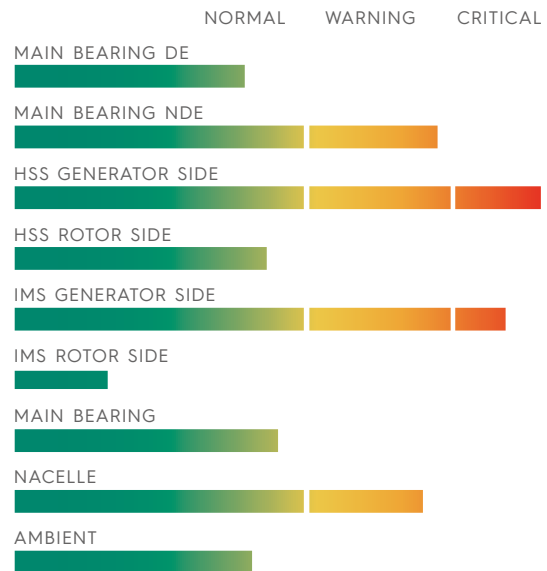


Component related performance comparison



Comparison of turbine power curves

Component temperature comparison sample



When to use performance benchmarking:

- Alongside monthly operational reporting for the most comprehensive understanding of your assets' performance
- Prior to end-of-warranty inspections to ensure at-risk turbines are thoroughly evaluated
- During the development of targeted maintenance schemes to ensure your most valuable assets are your healthiest
- To pro-actively monitor aging assets, preventing component failures before they happen



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