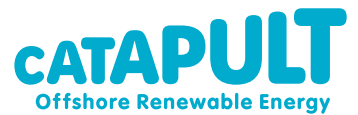


# SPARTA: SYSTEM PERFORMANCE, AVAILABILITY AND RELIABILITY TREND ANALYSIS



## CASE STUDY



### A UK OFFSHORE WIND PERFORMANCE DATA BENCHMARKING PLATFORM, TRANSFORMING WIND TURBINE OPERATIONAL PERFORMANCE

The SPARTA platform supports improvements in the availability, reliability and performance of offshore wind assets, which will drive efficiency improvements, cost reduction, sector innovation, investment and development.

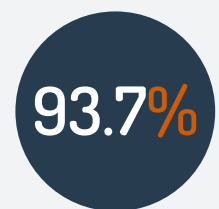
Operational data is collected across 88 key performance indicators at system level (from blade to onshore substation), analysed and reported upon monthly, allowing individual performance to be benchmarked against the industry standard for the first time. This enables participating owner/operators to identify operational improvements and cost reduction opportunities at both company and sector-wide levels.

ORE Catapult designed and built the online SPARTA benchmarking platform, and along with The Crown Estate, supports the operation of the system, using its independent and trusted partner status to provide anonymised benchmarked analytics and insights to project partners.

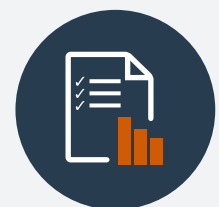


“ SPARTA has demonstrated how crucial industry collaboration and benchmarking is in continuing to drive down costs and increase production from offshore wind farms. ”

Adrian Fox, Chair of the SPARTA steering group.



World's first benchmarking platform for offshore wind farms, covering 93.7% of the installed capacity of UK operational offshore wind.



Agreed set of standard KPIs and consistency of reporting at project, portfolio and sector level.



Achieved first full year of successful operations offering key insights and now working to widen coverage beyond the UK.