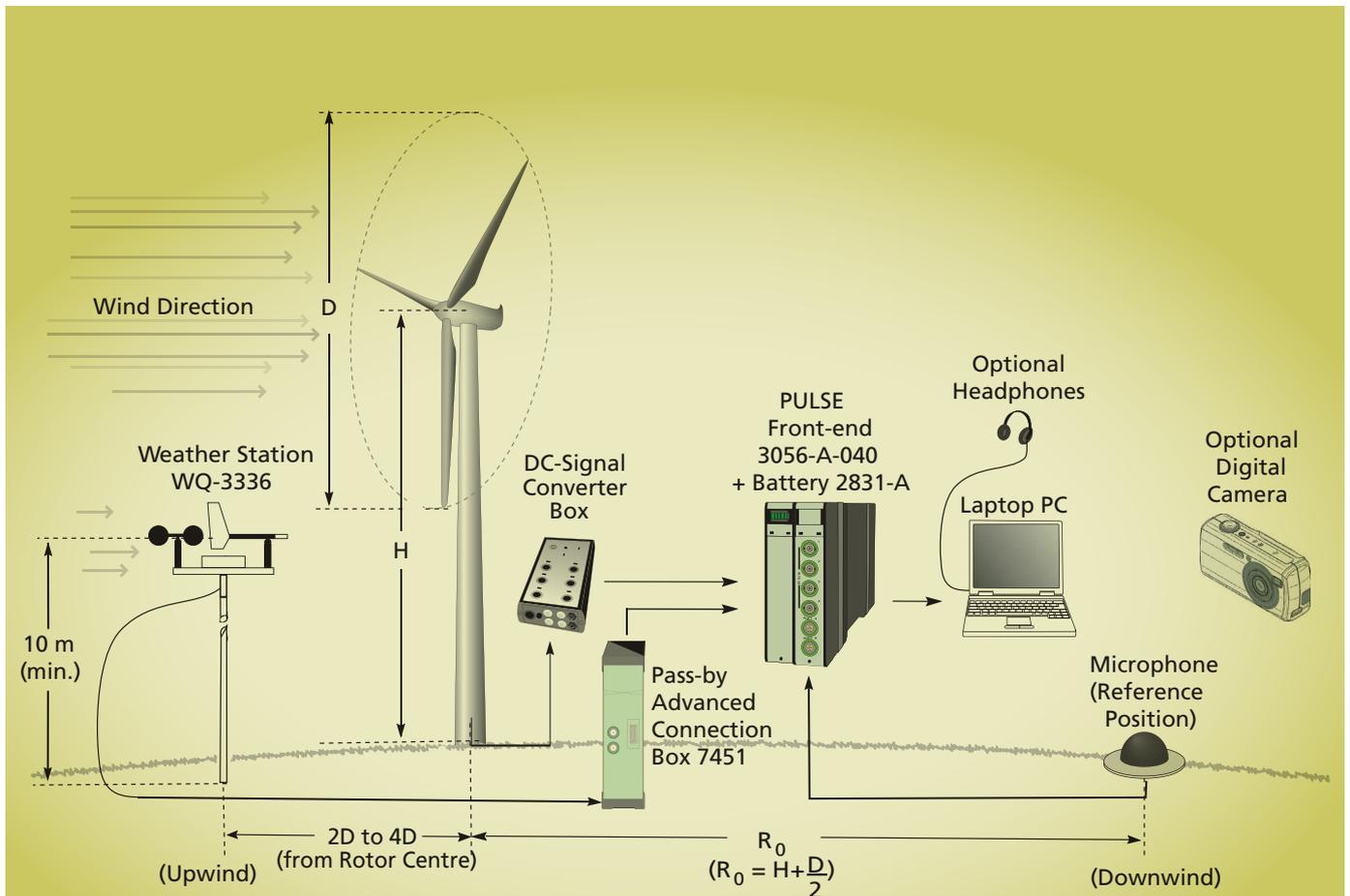


SOUND POWER DETERMINATION ACCORDING TO IEC 61400-11

ENSURE YOUR NOISE MEASUREMENTS ARE UP TO STANDARD



COMPLETE TURNKEY MEASUREMENT SYSTEM FOR IEC 61400-11

Measure and report noise, wind speed, electrical power and weather conditions

Reduce operational errors to a minimum

Record and archive data

SOUND POWER DETERMINATION ACCORDING TO IEC 61400-11

International standard IEC 61400-11 demands consistency and accuracy in the measurement of wind turbine noise, using quality equipment with calibration that is traceable to national institutes.

Our easy-to-use, complete test system minimizes the headaches of following the protocols required by the standard. The standard's exacting methodology is simplified thanks to an intuitive user-interface that covers the measurement, analysis and reporting of complex acoustic emissions.

With this solution, wind turbine manufacturers can define acoustic emission performance, wind turbine operators can check the expected acoustic emission performance of new or refurbished units, and planners and consultants can calibrate or validate their calculated environmental noise maps.

With Brüel & Kjær's unrivalled backup service including accredited calibration, you can trace the validity of your measurements to the appropriate national standards body.



Image courtesy of DONG



Typical measurement with the actual indication of the number of measurements per wind bin.

TYPICAL SYSTEM PRODUCTS

- 7914** Wind turbine sound power determination according to IEC61400-11
- 7708** PULSE Time Data Recorder
- 3056-A-040** 4-ch. Input/HS-Tacho + 8-ch. Aux. Module LAN-XI 51.2 kHz Type 3056
- 7700** FFT and CPB analysis, 1-2 channels
- 4189-L-001** Prepolarised microphone with preamplifier and TEDS
- UA-2133** Windscreen for boundary layer microphone
- WQ-3181** DC signal converter