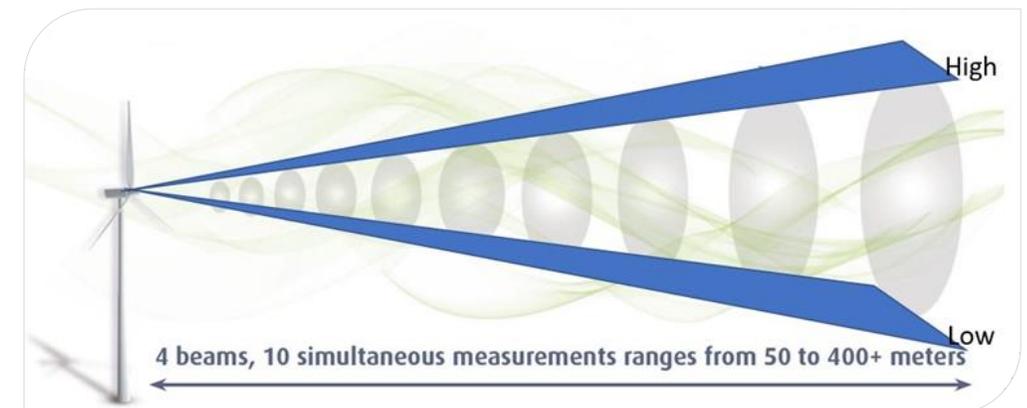


Wind profiles at hub height

Eyelid measurement horizontal

challenge	Expand understanding of wind characteristics at hub height to improve wind direction tracking and flow simulations
Solution	Use of a lidar system on the nacelle for wind measurements in front of and behind the rotor plane
use	Turbulence analysis and performance testing as well as wind model checking and wind speed prediction.



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