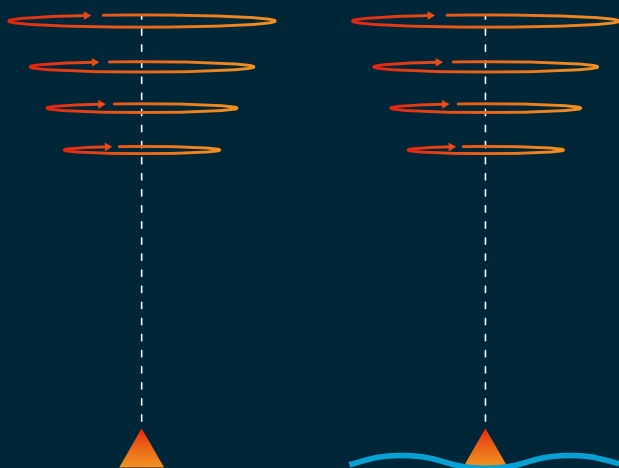


Wind measurements from 10 metres up*

***It's actually down to Lidar level too.**

Accurate wind measurements
that actually include the first
10 - 50 metres above your Lidar.





ZX300 ZX300M

ZX 300 and ZX 300M wind Lidars are trusted by wind developers & operators worldwide for their ability to deliver fast, accurate and reliable wind data. Our measurements start from just 10 metres above ground or deck level and our Lidars are built to perform in all conditions.

Onshore wind farms

- Our Lidars measure across the entire rotor swept area ensuring no part of the wind profile is missed. When using large rotors on modest-height towers, measurements at 10–50m become critical for accurate energy yield and turbine class selection.
- Ground effects, vegetation, and terrain complexity all impact wind behaviour near the surface — our Lidars help developers quantify it with certainty.
- During repowering, wind measurements can be used to validate existing turbine technology at lower hub heights and lower tip heights

Offshore platforms, buoys & helidecks

- Our Lidars provide accurate wind measurements starting from just 10 metres above the deck, ensuring safe operations for helicopter landings and crane lifts.
- Live, high-resolution wind data helps offshore teams monitor gusts and wind shear in real-time, expanding safe weather windows.
- Buoy-based or moored Floating Lidar Systems measure winds from just a few meters above the water up to hub height and beyond, filling the gap of near-surface wind observation.

Sensor correlation & calibration

- Our systems are often co-located with existing ground-based sensors and short towers for calibration and validation.
- The 10m measurement height aligns with global meteorological standards and enables accurate correlation against existing measurement points.

Why ZX leads at lower heights

- **Focused Continuous Wave (CW) technology**

Our Class 1 eye-safe CW Lidars measure from as low as 10m by focusing directly at the desired height, avoiding blind zones associated with other Lidars and giving you truly localised, low-level wind data.

- **Tight probe volume for accuracy**

With a small and well-defined probe volume, our CW Lidars avoid accuracy issues common in other Lidars, especially below 50m.

- **Complete ultra-low measurement range**

Every ZX Lidar system includes a co-located met station with an ultrasonic wind sensor, capturing wind speed and direction down to ground level.

The combined dataset gives you a seamless, continuous profile from ground to 300m.

- **Trusted performance**

Our Lidars are IEC 61400-12-1 (2017) Classified and validated by DNV, UL, and Deutsche WindGuard.

They are trusted globally for energy yield calculations, offshore platform safety, and aerospace readiness.

Only ZX Lidars measure from 10m and up — accurately. From wind turbine tips to helidecks, Oil & Gas platforms and Floating Lidar Systems.

Choose the Lidar that sees it all.

Visit us at zxlidars.com

ZX Lidars