

Permanent Met Lidar

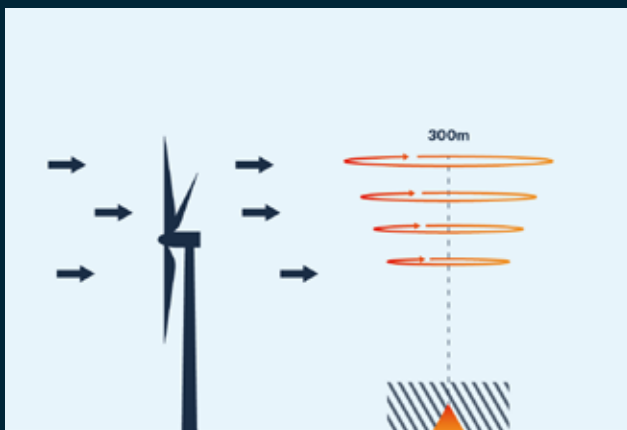
**The modern wind reference
for operational wind farms.**

Replace the need for a met mast
and remain compliant. Work safer,
gain flexibility and cut costs.



 **300e**  **300M**

ZX300e ZX300M



Wind farm operators are replacing traditional met masts with permanent ground-based Lidars. Modern Lidars like ZX 300e offer precise, continuous hub-height wind data—without the safety risks, high costs, or permitting delays of tall masts.

Easier to deploy

- Minimal footprint, fast setup, and no tall structure. Lidars often require no formal planning permission and can be relocated with ease.

Lower through-life cost

- No mast to maintain and reduced insurance requirements. Our reliable Lidars result in fewer maintenance visits, and relatively very minor decommissioning costs.

Faster insights for SCADA & grid

- Continuous, real-time hub-height data integrated directly into SCADA systems. Grid notifications are transmitted, ensuring regulatory compliance, and opportunities for more accurate production forecasting can be gained.

Complete height coverage

- Covering turbine large rotors on short towers, or smaller rotors on tall towers - our Lidars measure from 10 to 300m covering the complete height of modern turbines.



Use cases and practicalities

Onshore wind farms

ZX 300e is installed permanently in a simple compound near key turbines. Measurements cover full rotor height (10m–300m) with a single device. Once installed, the Lidar additionally supports power performance tests, grid compliance, and crane lift operations.

Offshore wind farms

ZX 300M Lidars are integrated into substation platforms. Nacelle-height data can be made available to multiple stakeholders including operators and OEMs. Helicopter safety can be improved and turbine analytics are more representative.

Proven integration

ZX 300e and ZX 300M feature plug-and-play Modbus/TCP connectivity to SCADA. Real-time 1Hz or 10-min averaged outputs are displayed and recorded. Temperature, pressure, and humidity are recorded for further site information and awareness.

Trusted performance

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

They are trusted globally for operational monitoring, energy yield calculations, and offshore platform safety.

ZX 300e and ZX 300M are the trusted choice for operators, asset managers, and turbine OEMs.

Visit us at zxlidars.com

ZX Lidars