



APPENDIX 12-7

LIDAR INSTALATION REPORT

Lidar Installation Report

Meenbog Wind Farm, Co.
Donegal





DOCUMENT DETAILS

Client: **Planree Ltd.**

Project Title: **Meenbog Wind Farm, Co. Donegal**

Project Number: **240505-a**

Document Title: **Lidar Installation Report**

Document File Name: **LiDAR Installation Report - F - 2026.06.26
- 240505**

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Rev	Status	Date	Author(s)	Approved By
01	Draft	15/09/2025	JS	PH
02	Final	26/06/2026	JS	PH

Site Details

Site Name: Meenbog Wind Farm

Client Name: Planree Ltd.

Project Number: 240505-a

Site Information

Deployment Start date & Time	09/09/2025 @ 11:00	Client Contact Details	Planree Ltd.
Landowner contact details	via Planree Ltd.	Site Access Procedure	Planree Ltd.
Site Access Route	54° 44' 15.367"N 7° 50' 48.472"W	Nearest Town/ Postcode	Donegal

Observed Conditions

Wind Speed	Wind Direction	Precipitation	Visibility
7.52m/s	158 degrees	0.0mm	>10KM

Deployment Information

Installation Engineer(s)	James Sturt/ Finbarr McGroarty
Model of Device	Zephyr ZX300
Device Serial Number	1379

Location Information

Unit Location Grid Coordinates	54° 44' 15.5754"N 7° 50' 50.0922"W
Elevation	149m
Location Description	In field to NW of land owner residence.
Road Type	Tarmac Drive
Distance from Access Road	25m
Vehicle Requirements	Opel Movano LWB

Location Information	
Terrain Type	Grass
Current Land Use	Private residence
Seasonal Land Use (e.g., crops)	NA

Communications			
Router Hardware	Sim Card Number	Sim Card IP address	Signal Strength
Waltz Software	No SIM card	n/a	n/a

Power Supply			
Type	Distance From Device (Cable Length)	Fuel Level	Lifespan
Mains	15m	n/a	n/a

Device Configuration		
Alignment	Due North	
Scan Type	FD Horizontal Wind Speed (m/s) at Scan Centre at Rm	
Max Range	Met Station is positioned on the ZX300. Clear span around field is approx. 15m	
VAD Processing	ON	OFF
Hourly Scan Home	ON	OFF
Hourly Window Wipe	ON	OFF
Auto Clean	ON	OFF
Heat up Before Start	ON	OFF
Software Version	Zephir Lidar ZP573	
Target Description	N/A	
Distance to Target	N/A	

Device Configuration	
Target Coordinates	54° 44' 15.5754"N 7° 50' 50.0922"W
Target Elevation	39m to 199m

Notes
ZX300 measurement heights set to: 199m ,140m, 109m, 99m, 89m, 79m, 69m, 59m, 49m, 39m, 38m
Site Description: From the ZX300 – • North – Flat terrain • East – Flat terrain • South – 1.5m high hedge 2m to South • West – 1.5m high chicken coop 3m to west Note: ZX300 is elevated off ground level so therefore a 1m offset approx. in reported height vs ground level set in software.

PHOTOGRAPHS



Plate 0-1 View to South West



Plate 0-2 View to South East



Plate 0-3 View to North East



Plate 0-4 View to North West



Plate 0-5 General overview

UNIT CONFIGURATION

Waltz v6.3 (basic options)

