



APPENDIX 11-3

LIDAR INSTALLATION REPORT



Zephir Campaign Device Installation Checklist

DISTRIBUTION:		
Client:		
	Slieveacurry Ltd.	

	Name	Job Title	Signature
Site Engineer	James Crowley	Project Engineer	
Prepared by	James Crowley	Project Engineer	
Reviewed by	James Crowley	Project Engineer	
Authorized by	Thomas Scanlon	Project Engineer	
Date of Issue	28/05/2020	Classification:	Confidential

Client	Slieveacurry Ltd.		
Site name	Slieveacurry		
Project number	0033		
Site information			
Deployment start date & time	14/05/2020 @ 10.30		
Client contact details	James Crowley (+353) 86 3979248		
Landowner contact details	Arranged by client		
Site access procedure	Contact WFSO operational control number (+353) 21 7355898 before entering site and again when leaving site.		
Site access route	Hardcore Surface to within 100m of the Zephir unit		
Nearest town / Postcode	Inagh, Co. Clare		
Observed conditions			
Wind speed	Good wind. Between 5 & 7 m/s		
Wind direction	Easterly		
Precipitation	Sunny		
Visibility	Clear		
Deployment information			
Installation Engineer(s)	James Crowley		
Model of device(s)	Zephir 300 (573)		
Serial number of device(s)			
Location information			
Irish Grid coordinates	IG E112955, N179167		
Elevation	165m		
Location description	Unit is located in an agricultural grazing field		
Road Type	Hardcore Road Track and grazing field		
Distance from Access Road	You can drive within 3m of the Zephir with a 4x4 vehicle		

Vehicle Requirements	Jeep			
Terrain Type	Grazing mountainous land			
Current Land use	Grazing			
Seasonal Land use (e.g. crops)	Grazing animals. Tree cover located around the field boundary.			
Communications				
Router Hardware	Waltz software			
SIM Card Number	No SIM card			
SIM Card IP Address				
Signal strength (-dBm)				
Power supply				
Туре	Domestic Supply			
Distance from Zephir (cable length)	100m			
Fuel level				
Photos (including photo numbers)				
360° from North	Figure 1,2,3 & 4			
Ground conditions	Marginal Land.			
Others	See notes below			
Device configuration				
Alignment (offset from north)	Due North			
Scan type	VAD (Basic)			
Max Range	Met Station is positioned on the Zepir. Clear Span around field is approx. 10 – 50m. See images.			
VAD Processing	ON OFF			

Hourly Scanner Home	ON		OFF		
Hourly Window Wipe	ON			OFF	
Auto Clean	ON	OFF		NA	
Heat up Before Start	ON	OFF		NA	
Software version	Zephir Lidar ZP573				
Target description	Slievecallan Wind Farm Turbine Delivery Entrance				
Distance to target	1.5km				
Target coordinates					
Target elevation					
Settings File					
Segments					
Scan file					
Number of beams					
Azimuth	Elevation``				
Notes					

Notes

Zephir measurement heights set to:

11m, 40m, 43m, 60m, 64m, 80m, 100m, 107m, 140m, 175m

Site Description:

From the Zephir -

North – Boundary ditch located approx. 25m away.

East - Relatively flat. Tree located 15m away on boundary ditch

South – Ground falls before climbing again on approach to Slievecallan Wind Farm

West – Dense tree cover on landowner boundary approx. 25m away.

Note: Zephir is in a cage so therefore a **2m offset** approx. in reported heights vs. ground level set in software.

Photo's



Figure 1 – Zephir from South looking North



Figure 2 – Zephir from North looking South



Figure 3 – Zephir from West facing East

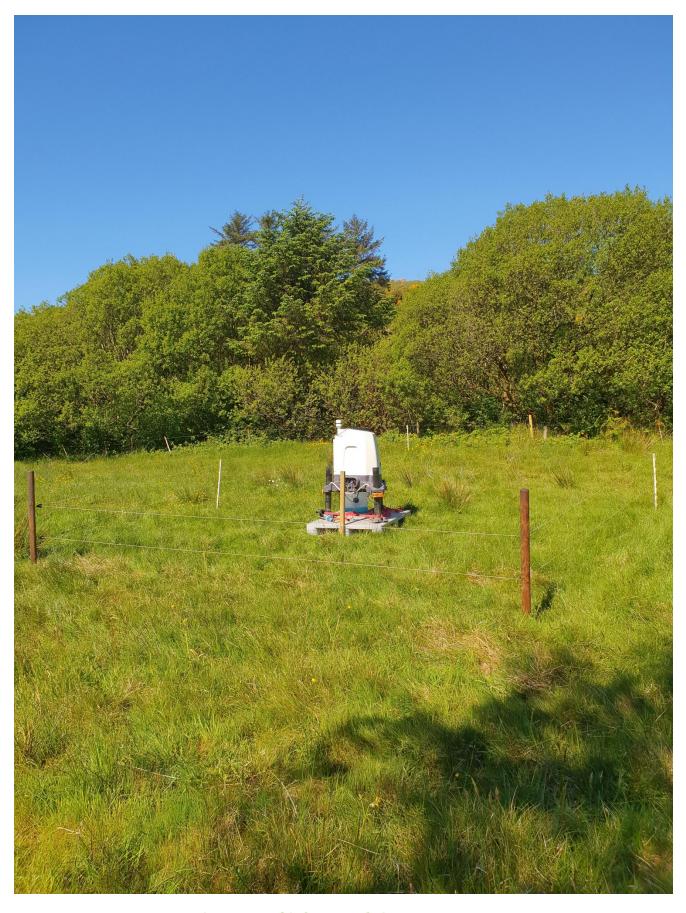


Figure 4 - Zephir from East facing West

