



Zephyr Campaign Device Installation Checklist

DISTRIBUTION :

Client:

Enerco Energy Ltd.

	Name	Job Title	Signature
Site Engineer	James Crowley	Design Engineer	
Prepared by	Jerry O Connor	Design Engineer	
Reviewed by	James Crowley	Design Engineer	
Authorized by	Neil O'Brien	Project Engineer	
Date of Issue	01/03/2019	Classification:	Confidential

Client	Enerco Energy
Site name	Cleanrath
Project number	0040
Site information	
Deployment start date & time	18/02/2019 @ 10:00
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 Unit from public road
Nearest town / Postcode	Macroom
Observed conditions	
Wind speed	Good wind. Between 5 & 7 m/s
Wind direction	Easterly
Precipitation	Light showers
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 E119588, N69162
Elevation	242 m
Location description	Unit is located on a platform near Wind Farm roadway
Road Type	Hardcore Road Track
Distance from Access Road	You can drive within 1m of the Zephir & Generator

Vehicle Requirements	Car / Van	
Terrain Type	Rocky Mountainous area.	
Current Land use	Grazing	
Seasonal Land use (e.g. crops)	Semi mature & felled forestry on road to & around the field where the Zephir is positioned.	
Communications		
Router Hardware	Waltz software	
SIM Card Number	No SIM card	
SIM Card IP Address		
Signal strength (-dBm)		
Power supply		
Type	Generator	
Distance from Zephir (cable length)	4 m	
Fuel level	600l	
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 an extension from the cage. Approx 1m above the cage. Clear Span around field is approx. 500m +	
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			
Distance to target	3m from Roadway		
Target coordinates	IG E119588, N69162		
Target elevation	242 m		
Settings File			
Segments			
Scan file			
Number of beams			
Azimuth	Elevation``		
Notes			
Zephir measurement heights set to: 10m, 28m, 43m, 53m, 68m, 80m, 89m, 98m, 113m, 138m Site Description: From the Zephir - North – Ground rises for approx. 350m to top of rocky mountainous grass lands. East – Ground rises slightly before treeline & mountain approx. 50m+ away. South – Ground falls for approx. 150m before the ground rises gradually on rocky mountainous ground. West – Ground falls for approx. 200m into tree line approx. 350m+ 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 North East facing West

