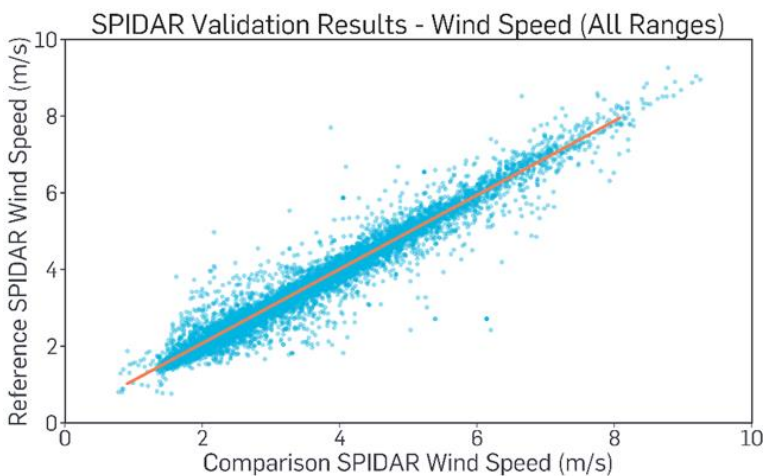


SPIDAR FACTORY PERFORMANCE VERIFICATION

Unit serial number: 1922AG00XX  
 Date of test and verification: DD MM YYYY – DD MM YYYY  
 Coordinates of test and verification: XX.XXXX °N, XX.XXXX°W  
 Test performed by: XXX Date: DD MM YYYY

NRG Systems, hereby certifies that the above instrumentation has been tested to **meet or exceed** the published specifications. This testing was performed using calibrated reference instruments and methods that are traceable to the IEC 61400-12-1 (Ed. 2, Annex L) standard and MEASNET best practices.

TEST	CRITERIA	40m	60 m	80 m	90m	100m	120m	130m
WIND SPEED R <sup>2</sup>	≥ 0.98	0.98749	0.98932	0.98870	0.98881	0.98707	0.98545	0.97994
		PASS	PASS	PASS	PASS	PASS	PASS	PASS
WIND DIRECTION R <sup>2</sup>	≥ 0.98	0.99814	0.99835	0.99803	0.99800	0.99770	0.99726	0.99680
		PASS	PASS	PASS	PASS	PASS	PASS	PASS
WIND SPEED SLOPE	≤ +/- 2.0%	1.01055	0.99807	0.99871	1.00114	1.00382	1.00863	1.00903
		PASS	PASS	PASS	PASS	PASS	PASS	PASS
WIND DIRECTION SLOPE	≤ +/- 2.0%	0.99600	1.00134	1.00246	1.00180	1.00036	1.00219	1.00692
		PASS	PASS	PASS	PASS	PASS	PASS	PASS
AVAILABILITY (CLEAR, NO FOG)	70 – 85%	97.74%	96.24%	96.72%	96.77%	96.46%	95.79%	93.67%
		PASS	PASS	PASS	PASS	PASS	PASS	PASS



Verified horizontal wind speed update rate	5 seconds at all ranges
Calibration quality threshold	Q ≥ 20

The Reference Unit (Spidar, S/N 1331E00042) has been calibrated by a 3<sup>rd</sup> party test facility in compliance with IEC 61400-12-1 (Ed. 2, Annex L) using MEASNET-calibrated class 1 anemometers.

NRG Systems' management system has been certified to ISO 9001: 2015.