

Skystream 3.7 outperforms competition at low-wind site

Turbine	Diameter (m)	Swept Area (m ²)	Wind Speed (m/s)	Annual Energy (kWh)	Energy/Swept Area (kWh/m ²)
Skystream 3.7	3.7	10.87	3.8	2159	198.6
Fortis Montana	5	19.60	3.8	2559	130.6
Fortis Passat	3.12	7.60	3.8	634	83.4
DonQi	2	1.77	3.8	420	237.3
Ampair	1.7	2.30	3.8	302	131.3
WRE 030	3.3	7.26	3.8	555	76.4
WRE 060	3.3	14.52	3.8	512	35.3
Energy Ball	1.1	0.80	3.8	63	78.8
Turby	2.1	5.30	3.8	165	31.1
Airdolphin	1.8	2.50	3.8	333	133.2
Raum	2.9	6.80	3.8	558	82.1
Swift	2.1	3.50	3.8	125	35.7
Black 300	1.22	1.17	3.8	*	*

*Data not yet available



Organization

The Zeeland Province, Netherlands government conducts an ongoing test of small-wind turbines in collaboration with DELTA NV, Zeeland Province, Municipality of Sluis, Foundation of Zeeuwind and Greenlab. The resulting data from this site is an accurate representation as to how any wind system will perform in sites with similar wind resources.

Results

- Skystream 3.7 produces more energy than a 5 kW rated system at the same site and delivers significant energy relative to its size (energy/swept area).
- The Skystream 3.7 is one of the few turbines to have operated in the Zeeland site for the entire duration of the testing period without interruption.