

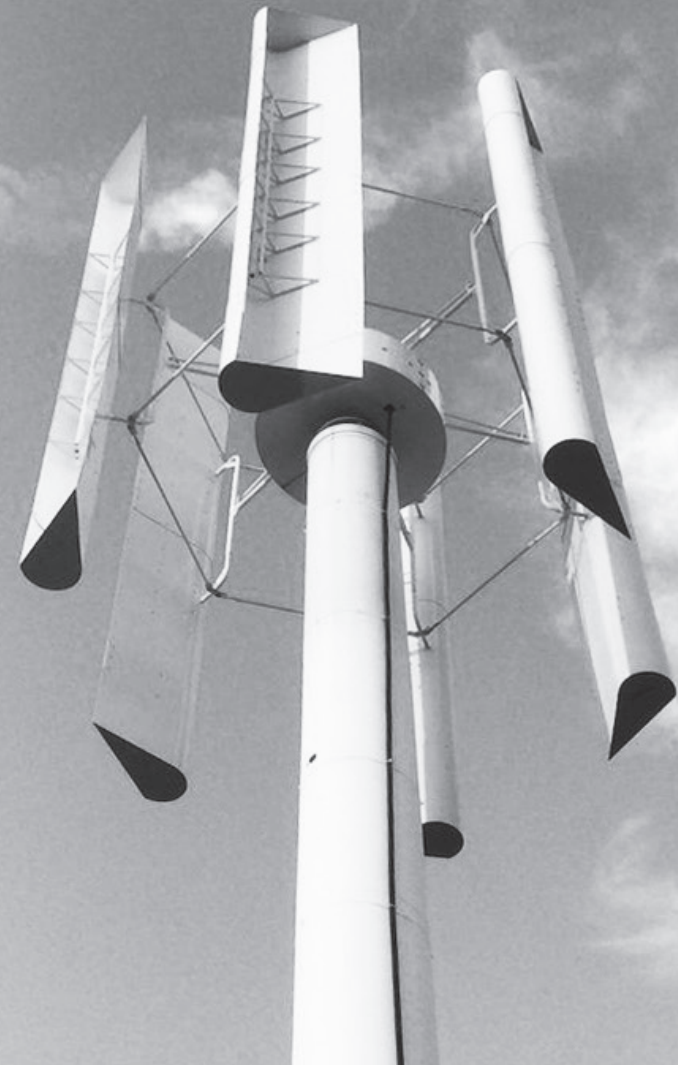
VertiGo SRG

VERTICAL WIND TURBINE

A wind turbine that catches both
light breeze and roaring storm.
Traditional HAWT' efficiency is 17%,
VertiGo SRG can reach 43%.

Application areas:

- a) households
- b) SME
- c) isolated areas (islands, jungles)



Renewable energy
innovation award
1st place

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VertiGo SRG

- ▶ **VertiGo** wind turbine can capture light breeze of 2 km/h and upwards
- ▶ **VertiGo** wind turbine can handle strong wind of 90 km/h and above
- ▶ **VertiGo** wind turbine highest wind ever tested was 240 km/h
- ▶ **VertiGo** collects wind from any directions
- ▶ **VertiGo** operates at low spin of 30/min
- ▶ **VertiGo** efficiency is 43% vs market average of 17%
- ▶ **VertiGo** wind turbine makes no noise – 20/30 db plus the surrounding noise. In no wind the wind turbine makes no noise and in wind the wind turbine spinning makes less noise than the wind
- ▶ **VertiGo** Lifespan: 30 years

VertiGo production figures

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KWh capacity	10,00 VertiGo			
wind average km/h	below 30	45,00	55,00	above 90
windy hours / day	8,00	8,00	8,00	8,00
actual production at average wind KW	3,00	10,12	19,76	circa 25
KW / month	719,59	2 428,60	4 743,36	6 000,00
KWh capacity	10,00 HAWT			
wind average km/h	below 30	45,00	55,00	above 90
windy hours / day	8,00	8,00	8,00	8,00
actual production at average wind KW	-	10,12	19,76	-
KW / month	-	1 457,16	2 846,02	-

VertiGo

HAWT

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KWh capacity	20,00 VertiGo			
wind average km/h	below 30	45,00	55,00	above 90
windy hours / day	8,00	8,00	8,00	8,00
actual production at average wind KW	6,00	20,24	39,53	circa 50
KW / month	1 439,17	4 857,20	9 486,72	12 000,00
KWh capacity	20,00 HAWT			
wind average km/h	below 30	45,00	55,00	above 90
windy hours / day	8,00	8,00	8,00	8,00
actual production at average wind KW	-	20,24	39,53	-
KW / month	-	2 914,32	5 692,03	-

VertiGo

HAWT

VertiGo financial results

Annual production	VertiGo KW	HAWT KW
20 KW turbine	21 237,76	12 120,08

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KWh capacity	10,00		
wind average m/s	8,00	12,00	15,00
windy hours / day	8,00	8,00	8,00
actual production at average wind W	2 998,27	10 119,17	19 764,00
KW / month	719,59	2 428,60	4 743,36
electricity price - grid	0,12	0,12	0,12
electricity price - private clients	0,60	0,60	0,60
% sold to grid	20%	20%	20%
% sold to private clients / own consumption	80%	80%	80%
monthly revenue EUR	362,67	1 224,01	2 390,65
Breakeven in months	148,90	44,12	22,59

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KWh capacity	20,00		
wind average m/s	8,00	12,00	15,00
windy hours / day	8,00	8,00	8,00
actual production at average wind W	5 996,54	20 238,34	39 528,00
KW / month	1 439,17	4 857,20	9 486,72
electricity price - grid	0,12	0,12	0,12
electricity price - private clients	0,60	0,60	0,60
% sold to grid	20%	20%	20%
% sold to private clients / own consumption	80%	80%	80%
monthly revenue EUR	725,34	2 448,03	4 781,31
Breakeven in months	128,22	37,99	19,45