

Mauritius

United Kingdom

Vanuatu

New Caledonia

PROXWIND : DISTRIBUTED GENERATION

USA : SANDYWOODS 

Type of turbine: 1 GEV MP C 275 kW
Wind speed average: 6 m/s
Yearly output: 490 000 kWh

Sandywoods turbine is located in a small residential art and agriculture community in Tiverton, RI., USA. This environmentally conscious living community has decided to install one turbine to supply their electricity needs under the net metering law of Rhode Island.



UK - Lincolnshire - GEV MP R

LITHUANIA : BIRŽAI 

Type of turbine: 1 GEV MP C 250 kW
Wind speed average: 5,5 m/s
Yearly output: 450 000 kWh

The Birzai turbine shows that it is possible to complement the large wind farms with individual installations, combining sustainable development, rural investment and local power production close to load centers. This concept favors a local ownership (the turbine being here owned by the farmer who is the land owner) and gives a positive image of wind power. With a high availability rate the investment is ensuring quick and green profits. The GEV MP C demonstrates here its perfect suitability for Distributed Generation applications.

Russia



USA

Chile

Japan

FRANCE : GOMMERVILLE 

Type of turbine: 1 GEV MP R 275 kW
Wind speed average: 6 m/s
Yearly output: 460 000 kWh

Gommerville is the first site where a GEV MP R was installed, a new version of the very successful GEV MP C 275 kW wind turbine installed in 35 countries. Rather than being with a guy-wired tower like the MP C, it displays a self-standing tower and has a 32m hub-height. It is also directly connected to the low voltage distribution grid (400 V), thus addressing one of the major issues of Distributed Generation applications.



Reunion

Cuba



Mauritania



All terrain wind



VERGNET is the world leader in medium size turbines (200 to 1000 kW)

After 25 years of experience, VERGNET is today present on the 5 continents through subsidiaries and local partners.

FARWIND : REMOTE AREAS

MAURITIUS : GRENADE 

Type of turbine: 4 GEV MP C 275 kW
Wind power installed: 1100 kW
Wind speed average: 8.5 m/s
Yearly output: 2.24 GWh
Yearly oil savings: 560 tons
Oxides emissions avoided (CO2, NOx, SO2): 1560 tons/y

Grenade Wind Farm is equipped with 4 GEV MP C 275kW. It is the third project achieved by Vergnet in Rodrigues Island after Trefles site, commissioned in 2002 with 360 kW wind turbines. Grenade with 2 turbines in 2009 which has been extended with 2 more in 2010.



French West Indies - Les Saintes - Terre de Bas Wind Farm

VANUATU : DEVIL'S POINT 

Type of turbine: 11 GEV MP C 275 kW
Wind power installed: 3025 kW
Wind speed average: 6.9 m/s
Yearly output: 6 600 GWh
Yearly oil savings: 1650 tons
Oxides emissions avoided (CO2, NOx, SO2): 4300 tons/y

VERGNET's technology has been chosen by UNELCO, subsidiary of the Suez/EEC group to address the issues of limited road infrastructures and lifting equipment on the Island. **The wind farm reaches 15% wind penetration rate on average (50% instantaneous) on the Efaté Island's grid.** VERGNET's equipment has largely proved its efficiency. After an in-depth training by Vergnet to achieve the transfer of competence, the personnel is now fully self-reliant to perform the operation and maintenance.

ETHIOPIA : ASHEGODA 

Type of turbine: GEV HP 1 MW
Wind power installed: 120 MW
Wind speed average: 8.8 m/s
Yearly output: 420 000 GWh
CO2 emissions avoided: 35 000 tons/y

Ashegoda Wind Farm is the first wind farm implemented in Ethiopia and the biggest one in sub-Saharan Africa with 120 MW. This power plant can supply electricity to more than 3 million people.

Taiwan

Ethiopia



TECHNICAL EXPERTISE : WIND DIESEL OPTIMIZED PENETRATION

AUSTRALIA : CORAL BAY



Type of turbine: 3 GEV MP C 275 kW
 Wind power installed: 825 kW
 Wind speed average: 8.5 m/s
 Yearly output: 2 GWh
 Yearly oil savings: 500 tons
 Oxides emissions avoided (CO₂, NO_x, SO₂): 300 tons/y

The Coral Bay Wind Farm is equipped with 3 GEV MP C 275 kW connected with new diesel generators and supplying electricity to the local community (more than 4000 people during peak tourist season). Low load gensets and a flywheel are also installed at the main power station. **Average wind penetration is as high as 70% while instantaneous can reach as high as 99% for several hours.**

CHILE : EL TOQUI



Type of turbine: 6 GEV MP C 250 kW
 Wind power installed: 1,5 MW
 Wind speed average: 8.7 m/s at 30m
 Yearly output: 5.2 GWh

El Toqui Wind Farm supplies power to a zinc mine. Like many mine sites in South America, El Toqui is isolated from the populated areas and from the national electricity grid: mining installations are mainly supplied by thermal power whose operating cost is extremely high. Alternative energy sources such as wind are an excellent way to reduce operating costs through hybrid coupling (wind, diesel, hydro in this case). This configuration requests a detailed system integration study.



Other achievements: Maddens - Nevis, Marsabit - Kenya.
 Also see the technical data of SWINGS (Smart WIND and Genset System) on our web site: www.vergnet.com

VERGNET's GEV HP AND MP WIND TURBINES WORLDWIDE*
 Turbines installed & projects awarded

Turbine	Contract date	Geographical Area	Location	Site	Installed Power (kW)	Total	
GEV MP 275 kW	2011	Asia & Pacific	Russia	Béring - Kamchatka	550	2	
			Thailand	Chiang Mai	275	1	
		Europe	Italy	options**	800	4	
			Lituanie	options**	2475	9	
			United Kingdom	Ruchlaw	275	1	
	2010	Africa	Kenya	Lincolnshire Poachers	275	1	
			Marsabit	options**	4125	15	
		Asia & Pacific	Mauritania	Marsabit	550	2	
			Japan	Nouadhibou	4400	16	
			Caribbean	Minamidaito	550	2	
	2009	USA	Guadeloupe Island	Désirade 4	275	1	
			USA	Sandywoods - RI	275	1	
		Africa	Nigeria	Katsina	10175	37	
			Asia & Pacific	Japan	Okinawa	550	2
				New Caledonia Island	Lifou	275	1
2008	Caribbean	New Zealand	Chatham Island	400	2		
			Taiwan	Yang Mei	275	1	
		Guadeloupe Island	Désirade 4	1375	5		
		Nevis Island	Maddens	2200	8		
		Lituanie	Kaunas	1375	5		
	Indian Ocean	Mauritius Island	Rodrigues II	550	2		
		Chile	El Toqui	1650	6		
		Asia & Pacific	New Caledonia Island	Touongo	4950	18	
	2007	Africa	La Reunion Island	La Perrière 3	3025	11	
			Mauritius Island	Rodrigues	550	2	
		Asia & Pacific	Eritrea	Assab	825	3	
			Australia	Coral Bay	825	3	
			Fiji Islands	Butoni	10175	37	
	2006	Caribbean	New Caledonia Island	Mont Mau	4125	15	
			Vanuatu	La Pointe du Diable	275	1	
Cuba			La Pointe du Diable II	2750	10		
Guadeloupe Island			Isla de la Juventud	1650	6		
Grand Maison			1375	5			
Indian Ocean		La Reunion Island	La Perrière 2	3300	12		
		New Caledonia Island	Prony III	5500	20		
		Guadeloupe Island	La Mahaudière	3025	11		
Europe		France	Petit canal II	275	1		
		Camarès	550	2			
		Gommerville	275	1			
		La Perrière 1	3850	14			
		Kafeate II	5500	20			
2005		Asia & Pacific	La Reunion Island	Les Saintes - Terre de Bas	1925	7	
			Guadeloupe Island	Kafeate I	6050	22	
	Caribbean	Guadeloupe Island	Fonds Caraïbes	825	3		
		Martinique Island	Morne Carrière	1100	4		
		La Reunion Island	Ste Rose	6325	23		
2004	Indian Ocean	New Caledonia Island	Prony II	4620	21		
		Guadeloupe Island	Fonds Caraïbes	3740	17		
	Europe	France	Lastours (Aude)	275	1		
		France	Lastours (Aude)	275	1		
		France	Lastours (Aude)	275	1		
2003	Asia & Pacific	New Caledonia Island	Prony I	2200	10		
		Guadeloupe Island	Petit Canal III	1540	7		
	Caribbean	Guadeloupe Island	Petit François	2200	10		
		Guadeloupe Island	Petit Canal II	3300	15		
		Guadeloupe Island	Lastours (Aude)	600	3		
2002	Asia & Pacific	New Caledonia Island	Lastours (Aude)	600	3		
		Guadeloupe Island	Lastours (Aude)	800	4		
	Europe	France	Lastours (Aude)	800	4		
		France	Lastours (Aude)	800	4		
		France	Lastours (Aude)	800	4		
TOTAL GEV MP					463		
GEV HP	2009	Africa	Ethiopia	Mekele	120 000	120	
1 MW	2008	Europe	France	Greneville	1 000	1	
TOTAL GEV HP					121		
TOTAL OF WIND TURBINE GENERATORS WORLDWIDE*					584*		

* Turbines < 200 kW installed before 2000 are not counted in that table. ** Number of turbines prebooked. Updated : Q3 - 2011



VERGNET'S
 TRACK RECORD



Worldwide leader
 in medium size turbines
 750 wind turbines
 35 countries