

Windpower System Business

References



Year of Installation (* = Year of Order)	Country	Customer	Project	Number of Substations (if documented)	Type of deliveries	Voltage Level(s) [in kV / and Power (if filed)	Turbines + Manufacture	Windpark Turn-key (by ABB New Ventures (dr entered))	Grid connection	Turn-key	EPC	Substation Turn key	HV Cabling	HV Cabling Offshore	Power Transformers	MV Transformers	MV Equipment	MV Cabling	Padmount Transformers	Control and Protection	Year of Order	Highest Voltage Level
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2005	Australia	ElectraNet	Lake Bonney Wind Farm	1	AIS	132 / 33	46 x 1,75 MW VESTAS V66		X	X	X		X	X	X			X			2003	132 kV
2004	Canada	Vestas	Miller Mountain		Transformer /	161/ 34,5	30 x 1,8 MW VESTAS V80						x	x				x			2004	161 kV
2002	Denmark	ELTRA / ELSAM	Horns Rev	1	switchgear + cables	150/33	80 x 2,0 MW VESTAS V80				X	X									2000	150 kV
2003	Denmark	Energi E2	OWP Nysted	1	Switchgear + cables+ Control equipment	132/33	72 x 2,2 MW Bonus Energy AIS				X	X	(x)								2002	132 kV
2002	Denmark	Samsøe Havvind Moellepark	OWP Samsøe	1	Switchgear	33	10 x 2,3 MW Bonus Energy	x, Only off shore					x		X	X		X			2001	30 kV
2006	Egypt	NREA	Gamesa Eólica		AIS / Greenfield (turnkey)	20	100 x 0,85 MW Gamesa		X		X										2005	20 kV
2003+	Germany	Energiekontor, HB / e.dis	Badingen UW	1	AIS / PS1	110 / 20 / 31,5 MVA	S/S only				X		X	X	X	X		X			2003	110 kV
2001	Germany	P&T Technology AG	Dahme	1	Windpark turn-key	63 MW	42 x 1,5 MW NEG Micon	X	X		X	X	X	X	X	X		X			2003	110 kV
2000+	Germany	WSB Dresden	Dauer UW	1	AIS	110 / 20 / 63 MVA	S/S only				X		X	X	X	X		X			2000	110 kV
2004	Germany	Avacon	Ellingen Windpark		AIS / Greenfield (turnkey)	110	S/S only				X		X	X	X	X		X			2004	110 kV
2000+	Germany	WSB Dresden	Elster UW	1	AIS	110 / 20 / 31,5 MVA	S/S only				X		X	X	X	X		X			2000	110 kV
2000+	Germany	Lenz-Öko-Gewerbe Bau GmbH	Etdorf / Saulbusch Windpark	1	AIS / PASS MO	110 / 20	S/S only				X		X	X	X	X		X			1999	110 kV
1999+	Germany	BOREAS / TEAG	Graefentonna UW	1	AIS / Compass	110 / 20 / 63 MVA	S/S only				X		X	X	X	X		X			1999	110 kV
2004	Germany	Windpark Norderland / EWE	Holtriem II Windpark		AIS / Upgrade (eXtension)	110 / 20 / 50 MVA	S/S only				X										2004	110 kV
2002+	Germany	ESAG	Kodersdorf UW	1	AIS	110 / 20 / 31,5 MVA	S/S only				X		X	X	X	X		X			2002	110 kV
2003+	Germany	MDP & Wiemken / Sallentin	Kodersdorf UW	1	AIS	110 / 20	S/S only				X		X	X	X	X		X			2001	110 kV
2002+	Germany	ENERCON GmbH	Mittelherwigsdorf	1	AIS	110 / 20	S/S only				X		X	X	X	X		X			2001	110 kV
2002+	Germany	Energiekontor, HB / e.dis	Mürow UW	1	AIS / PS1	110 / 20 / 31,5 MVA	S/S only				X		X	X	X	X		X			2002	110 kV
2001+	Germany	Plambeck / Avacon	Nielebock UW	1	AIS	110 / 20 / 40 MVA	S/S only				X		X	X	X	X		X			2001	110 kV
2001+	Germany	e.dis / Regema GmbH	Schwerinsburg UW	1	AIS	110 / 20 / 31,5 MVA	S/S only				X		X	X	X	X		X			2001	110 kV
2001	Germany	ENERCON	Thyrowberg	1	AIS	110 / 20 / 31,5 MVA	3 X 1,8 MW Enercon E66		X		X		X	X	X	X					2000	110 kV
1999+	Germany	e.dis	Willmersdorf UW	1	AIS / MUW	110 / 20	S/S only				X		X	X	X	X		X			1999	110 kV
2003+	Germany	NATENCO - Natural Energy Corporation GmbH	Wolgast	1	AIS	110 / 20	S/S only				X		X	X	X	X		X			2002	110 kV
2000	Germany	ABB Greece	Pithanitis, Rhodes		Windpark turn-key (EPC- Contr.)	11,7 MW	13 X 900 kW NEG Micon	X	X	X	X		X	X	X	X		X				
2004	Greece	PPC	Didimon W.P.		AIS / Greenfield (turnkey)	150	S/S only				X										2004	150 kV
2002	Greece	WRE Hellas S.A.	Logotheti		Windpark turn-key	3,8 MW	5 X 0,75 MW NEG Micon	X	X	X	X		X	X	X	X		X				
2000	Greece	Polipotamos Windpower A.E./ IEE-Kiel	Polipotamos Windpark	1	AIS	150 / 20	20 X 0,600 MW		X	X			X		X			X			1999	150 kV
2004	India	ENERCON (India)	Vibrant Bhatia 132/33kV Substation		GIS / Greenfield (turnkey)	132	S/S only				X	X	X		X			X			2004	132
2004	India	ENERCON (India)	Gadag 110/33kV Station		HV CB Live Tank	110kV	S/S only				X	X	X	X	X			X			2004	110 kV
2005	India	ENERCON (India)	GIM - II Chitradurga 66/33kV Sub Station		HV CB Live Tank	66kV	S/S only				X	X	X		X			X			2005	66 kV
2005	India	ENERCON (India)	Dharapuram 110/33kV S/S		HV CB Live Tank	110kV	S/S only				X	X	X	X	X			X			2005	110 kV
2005	India	ENERCON (India)	Anathapur 132/33kV Sub Station		HV CB Live Tank	132kV	S/S only				X	X	X	X	X			X			2005	132 kV

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2003+	Italy	Italian Vento Power Corporation S.r.l.	4 Grid connections to wind power plants	4	AIS	150 / 20	S/S only				X	X	X	X			X				2001	110kV
2001	Morocco	Enercon / Dumez Maroc	Al Koudia / Al Baida		Windpark turn-key	3,5 MW	7 X 0,5 MW Enercon	X	X	X	X	X	X	X	X		X				2000	66kV
2001	Morocco	Office National de l'Electricité	Modell Windpark	1	MVS	22	S/S only				X	X		X			X				2000	110kV
1997	Pakistan	Southern Electric Power Corporation	Raiwind Diesel Power Plant	1	AIS	132	S/S only					X	X				X				1996	132kV
2004	Portugal	Energis	Candeeiros Wind Farm 86MW		AIS / Greenfield (turnkey)	60	26 x 3 MW VESTAS V90		X	X											2004	60 kV
2005	Spain	Sinae	Fresno de Veleta Substation		Transf./HV-CB	220kV	S/S only			X	X	X	X								2004	220kV
2001	Spain	NEG Micon	Grisel		EPC, BoP	13,5 MW	18 X 0,75 MW NEG Micon	X	X	X	X		X	X	X	X		X				
2005	Spain	Iberinco	Las Lomillas		HV CB Live Tank	132kV	33 X 1.5 MW GE Wind					X									2004	132kV
2002	Spain	Terranova Energy Corporation SA	Parque Eolico La Bobia / San Isidro	1	GIS	50kV / 20kV	49,3 MW		X			X					X				2001	132 kV
2006	Spain	Hidrocantábrico	S/S Wind Farm Belchite		Contr. & Pr. only		Contr. & Pr. only										X				2005	
2006	Spain	Hidrocantábrico	S/S Wind Farm El Boquerón		Contr. & Pr. only		Contr. & Pr. only										X				2005	
2000	Sweden	Enron Wind GmbH	OWP Utgrunden		Grid Connection		7 X 1,4 MW Enron Wind					X									1999	
2001	Sweden	NEG Micon	OWP Yttre Stengrund		Grid Connection	50 / 20	5 X2,0 MW NEG Micon		X			X									2000	50 kV
2004	United States	Independent Electric	Crescent Ridge				33 X 1.5 MW									X					2004	35KV
2003	United States	Crescent Ridge Windfarm	Illinois Wind Energy - Tomen	1	AIS/Greenfield (turnkey)	138	S/S only			X	X			X	X	X	X	X			2003	138 kV
2005	United States	UPC Wind Management, LLC	Kaheawa Windfarm	1	AIS/Greenfield(turnkey)	69	20 X 1.5MW GE SLE		X	X	X			X	X	X	X	X			2005	69 kV
2005	United States	Apollo Energy Corporation	Pakini Nui Windfarm		Consulting equipment specification												X				2004	
2001	United States	Woodward Mountain Wind Ranch # 1+2	Renewable Energy Services	1	AIS/Greenfield(turnkey)	138	2 X 80MW		X	X	X			X	X	X	X	X			2001	138 kV
2001	United States	King Mountain Wind Ranch #1 - 3	Renewable Energy Services	1	AIS/Greenfield(turnkey)	138	3 X 80MW		X	X	X			X	X	X	X	X			2001	138 kV
2002	United States	Sacramento Municipal Utility District	Natomas	1	AIS/Retrofit	230	S/S only			X	X			X	X	X	X	X			2002	230 kV
2004	United States	Renewable Energy Services	Sweetwater Windfarm		AIS / Greenfield (turnkey)	138	S/S only			X											2004	138 kV
2004	United States	Midamerica Energy / EnXco	Wall Lake Wind				100 X 1.5 MW GE									X					2004	35KV

.) = activities of the former ABB New Ventures GmbH



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