

Confidence through experience

Track record as of 30 June 2012



Wind. It means the world to us.™

Harvesting the full potential of wind



Confidence is built through experience.

During more than 30 years in the wind industry we have installed over 51 GW of wind energy capacity across 71 countries, together with our customers. That's more than 20 per cent of all turbines globally – and over 65 per cent more than our closest competitor*.

It is a track record that is fundamental to our constant efforts to minimise turbine downtime for our customers. We put our installed base to use every day, improving product performance by monitoring and performing diagnostics on the world's largest fleet of wind turbines.

Every 10 minutes, data from more than 22,000 turbines – or nearly 39,000 MW – is monitored across 140 to 500+ signals, including temperature, pressure and log data. The data, combined with information on service visits, creates a complete picture of turbine health.

This rigorous diagnostic analysis enables us to optimise operational performance throughout the value chain:

- it ensures that our accelerated lifetime simulations on key components are as realistic as possible

- it ensures that the most significant CtQs (critical-to-quality) are thoroughly managed throughout manufacturing
- it optimises turbine performance in micro-siting and site layouts
- it enables us to accurately forecast and model operational expenditures, annual energy production and the overall business case
- through ongoing condition monitoring, it allows us to implement timely predictive maintenance, thereby minimising lost production.

Our 51+ GW of installed capacity is the foundation of our undisputed experience and expertise. Together with our comprehensive performance data, it is the backbone for our customers' business case certainty. It is the essential element that ensures maximum production throughout the lifetime of our customers' wind power plants, and the reason why Vestas has a lost production factor of less than 2 per cent across all platforms**.

* BTM Navigant "World Market Update 2011".

**Vestas Performance Diagnostic Centre, average percentage calculated across 12,500 Vestas turbines under full scope service.

Track record by **turbine type***

Turbine type	Quantity	Total MW
Other	33,948	22,857
V80-1.8 MW*	1,016	1,829
V80-2.0 MW*	3,219	6,438
V90-1.8 MW*	1,249	2,249
V90-2.0 MW*	4,363	8,696
V90-3.0 MW*	2,647	7,941
V100-1.8 MW*	792	1,434
V112-3.0 MW*	101	303
Total	47,335	51,747

* Delivered Vestas wind turbines as of 30 June 2012.



Track record by **country***

Country	Quantity	Total MW	LI**
Argentina	62	89	2012
Aruba	10	30	2009
Australia	665	1,261	2011
Austria	247	433	2011
Azerbaijan	2	2	2009
Belgium	130	295	2011
Brazil	162	290	2012
Bulgaria	118	307	2012
Canada	1,217	2,032	2012
Cape Verde	39	28	2012
Caribbean Islands	2	0	1991
Chile	64	117	2010
China	3,070	3,635	2012
Costa Rica	71	51	2002
Croatia	21	48	2008
Cuba	4	4	2005
Cyprus	47	93	2012
Czech Republic	48	72	2012
Denmark	4,993	2,721	2012
Dominican Republic	14	25	2011
Egypt	124	79	2004
Finland	44	36	2012
France	728	1,392	2011
Germany	6,175	8,057	2012
Greece	770	1,044	2011
Hungary	49	105	2010
India	4,437	2,792	2012
Iran	37	16	2004
Israel	3	0	1993

Country	Quantity	Total MW	LI**
Italy	2,393	2,812	2012
Jamaica	33	39	2010
Japan	379	510	2008
Jordan	5	1	1996
Kenya	6	5	2009
Latvia	1	1	2002
Lithuania	6	18	2007
Luxemburg	13	9	1999
Malaysia	1	0	1995
Mauritius	1	0	1986
Mexico	72	132	2012
Morocco	84	50	2000
Netherlands	1,308	1,562	2012
Netherlands Antilles	10	30	2012
New Caledonia	20	5	1999
New Zealand	231	346	2011
North Korea	2	0	1986
Norway	33	34	2012
Pakistan	28	50	2012
Peru	1	0	1995
Philippines	20	33	2008
Poland	306	621	2012
Portugal	366	666	2012
Republic of Ireland	563	586	2011
Romania	192	488	2011
Russia	3	1	1998
Slovakia	4	3	2003
South Africa	3	4	2010
South Korea	104	166	2008



Country	Quantity	Total MW	LI**
Spain	2,862	3,919	2012
Sri Lanka	5	3	1999
Sweden	1,208	1,527	2012
Switzerland	17	25	2010
Taiwan	50	86	2008
Thailand	1	0	1996
Turkey	239	592	2012
USA	12,178	10,478	2012
Ukraine	1	3	2011
United Arab Emirates	1	1	2004
United Kingdom	1,213	1,849	2012
Uruguay	16	32	2011
Vietnam	3	6	2011
Total	47,335	51,747	

* Delivered Vestas wind turbines as of 30 June 2012.

**Latest installation.

Experienced worldwide.

With installed turbines in 71 countries around the world, we have considerable experience in all the key disciplines – engineering, transportation, construction and operations & maintenance. Our projects have covered every kind of site, from high altitude to extreme weather conditions, onshore and offshore. Since 2005 alone, this full-scope expertise has enabled us to build more than 250 turnkey projects in 20 countries.



Offshore track record by **country***

Country	Quantity	Total MW
Belgium	55	165
Denmark	102	197
Japan	2	1
Netherlands	128	247
Portugal	1	2
Sweden	11	13
United Kingdom	282	784
Total	581	1,409

* Delivered Vestas wind turbines as of 30 June 2012.



Thanet. 100 turbines in 100 days.

Having pioneered the offshore wind industry since the early 1990s, we have the expertise to harness the raw power of wind, even at sea. Thanet Offshore Wind Farm is only one example. Completed in June 2010 – five weeks ahead of schedule – Vestas Offshore achieved the still-impressive feat of installing all 100 turbines in less than 100 days, not counting idle time due to bad weather or loading/transit.



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