



## Project Profile: Bouin, France

Project name:	Bouin
Owner:	SIIF Energies France (EDF subsidiary for renewable energy projects) and REVe (Régie d'Electricité de Vendée)
Contractors:	SIIF Energies France
Power utility:	EDF
Installed capacity:	19,5 MW. 5 x 2,4 MW, 3 x 2,5 MW
Wind turbine type:	N80/2500 kW
Tower height and type:	60 m. tubular tower.
Number of wind turbines:	8
Wind speed:	6.11 m/s
Site:	The site is located in Vendée - Pays de la Loire, some 45 kilometers south of Nantes, near to the coast of the Atlantic Ocean.
Site description:	The site is characterized by a strong, continuous wind from the Atlantic Ocean.
Wind turbine siting:	The turbines are installed alongside the local river, close to the west coast of France
Building Period:	September 2002 – February 2003
Grid connection:	June 2003
Extent of delivery:	Turnkey project
Calculated annual power output:	45,661,000 kWh
Maintenance:	Nordex Energy GmbH
Warranty period:	5 years

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The rated output of 2,500 kilowatts per machine makes the Bouin project France's first wind park comprising wind generators with a rated output in excess of 2,000 kilowatts each. In Vendée - Pays de la Loire, some 45 kilometers south of Nantes, eight Nordex N80 turbines installed at two wind farms have been supplying a total of 45 000 MWh of electricity per annum since 2003.



The Bouin project marks the first order after the signing of the master contract between Nordex and SIIF in April 2002, under the terms of which Nordex is classed as one of SIIF's preferred suppliers. The two companies have also worked together successfully in the past. Nordex built two wind farms for SIIF on Corsica in 2000 comprising a total of 20 N43/600 kW turbines.

Nordex has been able to successfully defend its Number 1 market position in France for the third year running. Of the new wind power capacity of 90.6 MW installed in 2003, Nordex contributed around 36 % or 32.6 MW. With a total capacity of 91 MW, Nordex currently holds 38% of the market. At the end of 2003, 481 turbines were generating 239 MW of clean energy from wind power in France.



Being located directly adjacent to the Atlantic, the turbines are mounted on 60-meter tubular-steel towers. Nordex supplied the park on a turnkey basis, including road works, foundations and grid connection, for SIIF Energies, the EDF subsidiary carrying out renewable energy projects worldwide. For the first five years Nordex will also be responsible for maintenance, service and management of the park.

