

Windenergy in Burgundy, Renewable energy at your reach

 *The wind energy production is quickly growing in Burgundy...* 

- 85 potential identified wind farms
- 8 authorised wind farms, 3 under administrative studies
- 174MW agreed und 400MW expected – Euroserv'er 2009
- 1 000 jobs today, 5 000 for tomorrow?

 *Industrial companies already in the region:*

For Construction and production of:

WINDENERGY TOWERS

First French region for metallic towers production. CEOLE (F) and SIAG (Schaaf Industrie AG, D) are producers of high dimension towers up to 120 m height, 5 m wide and up to 200 tons.

SLEWING AND ROLLING BEARINGS

SKF (S) Avallon designs and produces slewing and rolling bearings between 500 and 7800 mm diameter for nacelles and blades. MONNOT (F) in Beaune is a company reknowned for machining large slewing bearings.

PRODUCTION OF GEAR BOXES AND SPEED MULTIPLICATORS

CMD (F), is a specialist for Installations with strong couple and slow speed shaft machines such as wind power generators.

INDUSTRIAL DISK BRAKES

STROMAG (D), is the world leader for industrial disk brakes which avoid rotation overspeed and secure the azimuth orientation of the Wind turbines.

BEACONING SYSTEMS

DELTABOX-SERA (F), is a specialist for light-beaconing solutions (low, middle and high intensity), and wind indicators (windsocks and anemometers).

SYNCHRONOUS MOTORS WITH PERMANENT MAGNETS

PRECILEC (F), a subsidiary of the ZODIAC AEROSPACE group (F), produces synchronous motors with permanent magnets for energy conversion and offers wide a range of motors between 100 W and 50 kW for small power windmills.

SPECIAL CABLES AND CONNECTORS

PRYSMIAN (I), NEXANS (F) are producers of «High Tech» electrical cables for wind farms.

MEASUREMENTS AND MEASURING INSTRUMENTS FOR WIND TURBINES

SPM INSTRUMENTS (S), manufactures measuring instruments for shock waves and speed multipliers, generators and rolling bearings controls.

SURFACE COATING

BENITIS (F), is a specialist for surface finishing through thermal spraying (plasma, electric arc, flame and oxy-fuel welding and cutting) welding and plating.

METALLIC STRUCTURES, BOILERMAKING, PIPING

CITA PRODUCTION (F), produces pipes supports and assembles small windmills of 6 meters.

 *Adapted services for wind energy industry*

LOGISTIC FOR HEAVY TRANSPORT AND OVERSIZE LOADS

CAYON, RAVE, COUTURIER, ALTEAD (F) have long experiences in heavy components and big dimension carriage and transports.

CLASSICAL AND SPECIFIC METHODES FOR NON DESTRUCTIVE CONTROLS FOR METAL AND COMPOSITE PARTS

ECW (USA), ALTEREGO (F), METALSCAN (SP) (neutronography, numerical radiography, acoustics emissions, ultra sounds...)

GEOTECHNICAL DESK OF ENGINEERS AND PROJECT DEVELOPERS

CEGELEC, COLAS, GEOTEC, HYDROGÉOTECHNIQUE (F), TAUW (NL).

Development and future perspectives

As the Wind energy production and manufacturing industry is developing rapidly in France, some opportunities remain, especially for nacelle and blade manufacturers and for mechanical and electrical spare parts suppliers.

Wind energy sector companies in Burgundy



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