



SWINGS ®: two complementary skills for an innovative Wind-Diesel solution.

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VERGNET S.A and ENERIA, a subsidiary of MONNOYEUR Group, have combined their respective expertise in the field of middle wind power and high performance Diesel Genset, to conduct a common research and development program on an innovative hybrid Wind-Diesel (coupling wind & diesel generators) solution.

Registered under the trademark "SWINGS ®" (Smart Wind and Genset System), this solution is now entering a marketing phase after one year of study, completed by the successful testing of a pilot plant on the site of Gommerville (28). This test plant has been used to validate the feasibility and confirm the technical and economical interest of this concept.

With SWINGS ®, VERGNET S.A and ENERIA are now able to offer a hybrid industrial Wind-Diesel Generator whose consumption is minimized by offloading dynamically the Diesel Genset, following the available wind power. Economically attractive, and particularly suitable for power generation on isolated sites (hotel industry, cement plant, mining, urban, island network ...), SWINGS ® is intended for users wishing to reduce their energy costs, oil dependence and green footprint, without compromising their requirements for reliability and power quality.

Driven by a common and integrated smart control-command balancing the load between the two sources, SWINGS ® is the optimal combination of:

- unique capabilities of load recovery times and low-load operation of Diesel Gensets produced by ENERIA Caterpillar, reliable and durable,
- complementary technological characteristics of VERGNET Wind Turbines, robust, powerful and adapted to harsh environments..

ENERIA, a subsidiary of MONNOYEUR, is a specialist in the production of electricity from Caterpillar engines, as exclusive distributor in France for 80 years

ENERIA provides and guarantees its customers comprehensive solutions to their needs of competitive energy. Over the last thirty years, ENERIA has built over 2,000 MW of power generation and diesel backup and 700 MW of cogeneration gas or biogas plants. With the strength of the global network of local Caterpillar dealers, ENERIA sells power plants worldwide. ENERIA also acquired and developed know-how and specific knowledge in the field of electricity generation from wind after participating in the development of many wind farms, particularly in France.

VERGNET SA is a specialist in wind farms for sites where the infrastructure and logistics make it impractical to install conventional wind turbines.

With an installed base of over 650 wind turbines to date, VERGNET SA is a company specializing in the installation of wind farms in remote and / or difficult access areas. Present in the French overseas islands and exporting to 25 countries, VERGNET SA has a range of wind turbines designed to be transported and installed with limited means and infrastructure. As such, the VERGNET Group has participated in numerous Wind-Diesel projects. Over the years the company has developed specific skills to master this type of "turnkey" project.

Contacts

Actifin

Financial communication
Jean-Yves Barbara
Tel : 01 56 88 11 11
[jybarbara@actifin.fr](mailto: jybarbara@actifin.fr)

Press relation
Jennifer Julia
Tel : 01 56 88 11 11
[jjullia@actifin.fr](mailto: jjullia@actifin.fr)

Eneria

Renewable power dpt
Thierry Ficheux
Tel : 01 69 80 21 78
[enr@eneria.com](mailto: enr@eneria.com)
