Enerlice

Expert in small and medium-sized wind turbines

2025

CATALOGUE

Wind Turbines & Services

www.enerlice.fr

With 25 years of experience in the industrial energy sector, ENERLICE has specialized in small and medium-sized wind power since 2009. ENERLICE qualifies, designs, assembles, and implements energy independence solutions, integrating small and medium wind turbines, as well as energy stations that incorporate all hybrid sources, with or without storage.

The solutions offered by **ENERLICE** are designed for integration into both connected and autonomous microgrids and are backed by studies and technological monitoring to anticipate future challenges in energy access.

With more than 300 active references, ENERLICE operates across all regions of France and beyond, with significant export references in over 20 countries across

Europe, the USA, and South America.

Small Wind turbine

Hybrid Installations

Storage

Alternative energy sources

Audit, ingineering & maintenance

Milestones in a Wind Energy Project

Wind projects are approached differently depending on the turbine capacity and, consequently, the mast height. **ENERLICE** supports its clients in defining their projects, taking into account both technical and administrative constraints.
Whatever the project, the very first step is to assess the wind resource at the turbine location in order to reliably estimate future production.

Projects from 1 to 10 kW

Targeted at SMEs/SMIs, universities, agricultural facilities, and, in some cases, private individuals.
The key steps are as follows:

- Wind assessment (highly recommended)
- Quotation / Order
- Submission of works declaration and review of local planning requirements
- Installation and commissioning

Projects from 10 to 100 kW

Designed for industrial and agricultural facilities, these projects follow the framework outlined below:

meteOlien

Wind turbines offered by ENERLICE

Horizontal-axis wind turbines from 1 kW to 100 kW

Horizontal-axis technology is ideally suited for rural areas, ensuring optimal energy production. These turbines are dedicated to pure power generation and are particularly well-suited for agricultural and industrial applications.

Advantages: High efficiency and strong production in steady, unobstructed wind conditions, with more cost-effective operation compared to vertical-axis technology.

Vertical-axis wind turbines from 200 W to 5 kW

Vertical-axis technology is particularly well suited for urban settings and for locations where turbulent winds limit the performance of traditional horizontal-axis designs.

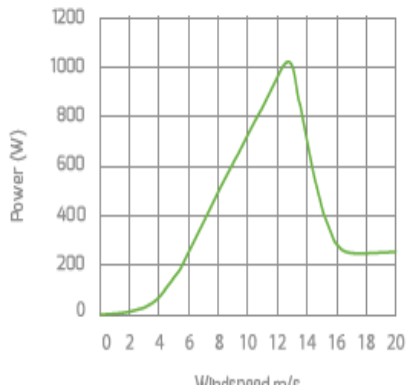
Advantages: Effective capture of urban and turbulent winds, quiet operation, slow rotational speed, strong public acceptance, and an attractive, modern design.

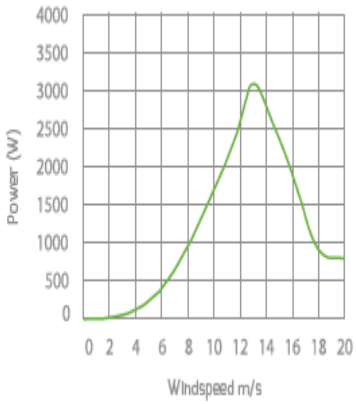
A clean, inexhaustible energy available 24/7

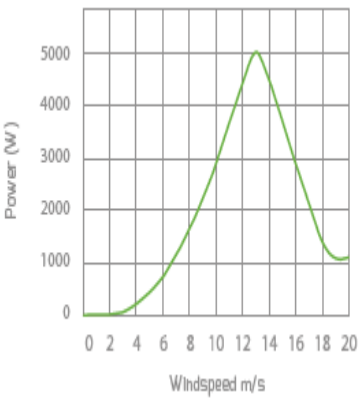
BORNAY Horizontal Wind Turbines from 1 to 5 kW – Passive Technology

Bornay is a family-owned Spanish company established in the early 1970s and headquartered near Alicante. Its wind turbines combine proven reliability with refined industrial design and are available in two- or three-blade configurations depending on power capacity. Designed for semi-urban, domestic, and rural applications, they meet rigorous standards of durability and manufacturing excellence.

Model	Bornay 13+	Bornay 25.2	Bornay 25.3
Number of blades	2	2	3
Rated power output	1.0 kW	3.0 kW	5.0 kW
Annual energy production at 5 m/s average wind speed	1600 kwh	3400 kwh	5000 kwh
Rotor diameter	2,65 m	4,0 m	4,0 m
Cut-in wind speed	3.0 m/s	3.0 m/s	3.0 m/s
Rotor speed	450 tr/min	400 tr/min	400 tr/min
Weight	41 kg	93 kg	107 kg
Recommended tower height	7 m and more	7 m and more	10 m and more







SD WIND horizontal-axis wind turbines, 3–12 kW
Passive design without tail vane

Based in Scotland, United Kingdom, **SD WIND** has been manufacturing wind turbines since 1980. As the windiest region in Europe, Scotland has shaped the design of SD WIND turbines, making them among the most robust in their class — even in the harshest environments.

SD WIND is the only manufacturer to offer an **ATEX Ex** certified model for explosive environments. Another key advantage is their unique design: downwind machines without a “cut-out,” capable of mechanically self-regulating their speed even under extreme wind conditions.

Model	KD3	KD6	KD6
Number of blades	3	3	3
Rated power output	**3 kW**	**5.2 kW**	**12 kW**
Rotor diameter	3,9 m	5,6 m	8.5 m
Cut-in wind speed	2.5 m/s	2.5 m/s	3.5 m/s
Rotor speed	300 tr/min	250 tr/min	180 tr/min

SD WIND turbines require little maintenance and have been distributed in more than 70,000 units across 70 countries.

DUCTED Wind Horizontal-Axis Wind Turbines 3.5 kW
Passive Technology Without Tail Vane

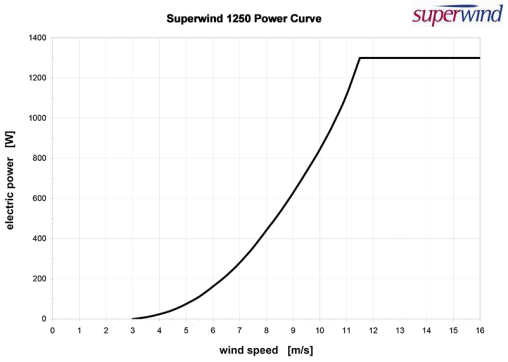
The **DWT** team, based in the state of New York, spent eight years developing this wind turbine, capable of delivering twice the energy output of a traditional wind turbine of the same capacity — without increasing rotor size. These ducted wind turbines are lightweight, extremely robust, and easy to assemble and install on a tilt-up tower, eliminating the need for heavy lifting equipment. They are ideal for peri-urban environments, combining strength with aesthetic appea

Model	**DWT D3**
Number of blades	5
Rated power output	**3.5 kW**
Annual production at 5 m/s average	6700 kwh
Rotor diameter	3,7 m
Cut-in wind speed	2.0 m/s
Rotor speed	250 tr/min
Measured noise level	40 dB
Weight	250 kg
Recommended tower height	From 4 m

SUPERWIND Horizontal-Axis Wind Turbines 1.2 kW
For Harsh Environments

SuperWind is a German manufacturer specializing in small, marine-grade wind turbines. The product range includes two models: a 350 W turbine primarily designed for boats, and a 1,250 W model featuring automatic mechanical pitch control, enabling continuous operation in all wind conditions. Built for coastal environments, both models are engineered to withstand heavy seas, salt spray, and harsh marine weather.

Model	1250W
Number of blades	3
Rated power output	**1.25 kW**
Rotor diameter	2,4 m
Cut-in wind speed	3.5 m/s
Rotor speed	600 tr/min
Weight	45 kg



V-AIR Vertical-Axis Wind Turbines

Founded in 2008 in New York and rebranded **V-AIR** in 2016, the company is the global leader in vertical-axis wind turbines, renowned for the quality and distinctive aesthetics of its machines. With nearly 3,000 active installations in more than 100 countries, V-AIR has set the standard in the industry.

ENERLICE has been a major V-AIR partner since 2010, installing these turbines across France and in many international markets. Designed for public administrations, sustainability-focused companies, universities, and iconic buildings, V-AIR turbines feature helical Darrieus technology — making them unique and highly appreciated by architects and project designers.

Model	HOYI 300	Vision Air 3
Number of blades	3	3
Rated power output	300 W	1.5 Kw
Annual production at 5 m/s average	300 kwh	1350 kwh
Blade height	1,40 m	3,2 m
Cut-in speed	1.5 m/s	3 m/s
Rotor speed	300 tr/min	200 tr/min
Measured noise level	41 dB	41 dB
Weight	41 kg	274 Kg
Technology	Off-grid sto-rage	Grid-connected

INERGYS, a French company based in Limoges, was founded with a commitment to making a positive environmental impact through innovation and ethical practices. The company designs, develops, and markets solutions for renewable electricity generation.

Today, INERGYS offers an innovative vertical-axis wind turbine alongside its **GreenPack** — a hybrid, scalable, and easy-to-install energy solution.

GREENPACK SELF-SUPPORTING SOLUTION

The **INERGYS GreenPack 5.8 kWp** combines an innovative vertical-axis wind turbine with state-of-the-art photovoltaic panels. Designed for quick and easy installation, it can be mounted on flat roofs using its five-point support system or installed directly on the ground. This hybrid, connected energy solution can operate in both on-grid and off-grid configurations.

Industrial horizontal-axis wind turbines — 10 kW to 100 kW

Developing an industrial wind project involves numerous technical selection criteria — criteria that could not all be met if we worked with only one manufacturer. This approach allows **ENERLICE** to maintain complete independence in the solutions it offers its clients.

All the manufacturers represented by **ENERLICE** are leading players in the sector, backed by extensive experience and a strong track record of installations in France and throughout Europe.

TUGE, an Estonian manufacturer, has been a trusted partner of **ENERLICE** for many years. Specializing in Class I certified industrial turbines, TUGE produces high-quality machines built to endure the most demanding environmental conditions.

Model	TUGE 10	TUGE 15	TUGE 60
Number of blades	3	3	3
Rated power output	**10 kW**	**15kW**	**55 kW**
Rotor diameter	10 m	11 m	18 m
Technology type	active	passive	active
Application	industrial	agriculture	industrial

ESPE is Europe's leading Italian manufacturer of wind turbines in the 30–100 kW range, with over 300 units installed. Combining advanced technology, robustness, and elegance — and 100% Made in Italy — ESPE is a key **ENERLICE** partner for industrial wind projects.

Model	FX30	FX60	FX100
Number of blades	3	3	2
Rated power output	**30 kW**	**60 kW**	**100 kW**
Rotor diameter	16 m	20 m	26 m
Technology type	active	active	active
Application	industrial	industrial	industrial

ENERLICE SERVICES

With over 25 years of experience in the energy sector and more than 12 years in wind power, ENERLICE is able to provide technical and innovative solutions to any challenge involving:

- Hybrid power generation
- Custom wind turbine towers
- Remote sites
- Integration of innovative sources such as fuel cells, electrostatic battery storage, etc.
- Installation audits, preliminary OPEX and CAPEX studies
- TCO analyses and studies
- Integration in difficult environments and high-logistics projects
- On-site expertise, and more

INDICATIVE PRICING

The prices listed below are indicative, tax-exclusive (Ex Works), and refer only to the cost of equipment for a typical installation with a fixed mast and single-phase electronics, without additional options.

Prices do not include:

- Import duties, delivery, and on-site transport
- Installation and civil works, including foundations and trenching

MODEL	Price excl. tax (€)
BORNAY 13+	14 500 €
BORNAY 25.2	16 900 €
BORNAY 25.3	22 900 €
SD WIND SD 3	23 630 €
SD WIND SD 6	31 980 €

MODEL	Price excl. tax (€)
DUCTED WIND 3.5	31 600 €
SUPERWIND 1250	19 900 €
V-AIR Hoyi! 300	9 700 e
V-AIR VisionAir 3	28 450 €
INERGYS Green Pack	31 950 €

All other models are quoted on request as part of preliminary project studies.

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