



WindFarmer

WINDFARMER PRICE LIST

WindFarmer offers unrivalled wind farm design capabilities and comes in a modular format in order to meet the specific requirements of each client.

Base Module: maximise your yield

Price: € 2,200

Wind farm design and energy production assessment with advanced wake models. Layout optimisation, considers noise, boundaries, exclusions and setbacks. Load all major map formats and projections, allows projection conversion, image rectification and on-screen digitising. Uncertainty analysis, multiple project capability, mixed turbine types, wind rose, wind speed, height, ground slope, contour and noise maps, noise propagation models, data exchange, simple KML export (e.g for use in Google Earth) and extensive reporting capabilities.

Visualisation Module: minimise your impact

Price: € 2,200

Full wire frame and rendered landscape visualisations with lighting and haze effects; photomontage, curvature of the earth, turbine animation, 360° panning and fly-through; and advanced zone of visual influence mapping. Use visibility constraints in the layout optimisation. Avoid or minimise impact on radar stations. Export animated 3D view of turbines to KML format for Google Earth.

Turbulence Intensity Module: get down to the details

Price: € 2,200

Use your measured ambient turbulence intensity as a function of wind speed and direction in the wake models of your energy production assessment. Derive modification of the ambient turbulence due to terrain and other turbines. Obtain key parameters at each turbine for every wind speed and direction and calculate estimated design equivalent turbulence levels enabling manufacturers' warranted turbulence levels to be met.

Financial Module: increase your revenue

Price: € 2,200

Link your financial or wind farm cost spreadsheet directly and dynamically to the Base Module. A template for the financial analysis of a wind farm is provided. Use the financial target function to optimise the wind farm layout.

Electrical Module: plan your electrical infrastructure

Price: € 2,200

Model the wind farm electrical network from the grid connection to the turbines. Integrate cables, transformers and power factor compensation devices into the wind farm design; calculate losses and reactive power, and check for overloaded components.

Shadow Flicker Module: good planning avoids conflict

Price: € 2,200

Calculate the occurrence of shadow flicker at specific receptors or in the form of a map for a given layout and topography. Identify the turbines causing shadow flicker and the time intervals of the occurrence.

MCP+ Module: process your measured data

Price: € 2,200

Create a long-term wind regime at the wind farm using your measured data and interactively exclude unwanted data, adjust calibrations, display the wind rose, perform the MCP (Measure-Correlate-Predict) analysis. Output frequency distribution files in WASP *.TAB format.

WASP: model the impact of terrain and roughness

Price: € 3,300 (may change, price set by Risø)

We recommend that you order the current version of WASP to use with WindFarmer. WASP is the industry standard flow model which is developed and supported by Risø.

All prices are exclusive of VAT and are subject to our standard terms and conditions.



Discounts

If this is your first purchase or you have a valid technical support agreement for the WindFarmer software you own, you can order additional copies of WindFarmer modules at:

- 50% of the list price for copies 2 and 3
- 25% of the list price for copies 4 to 7
- 12.5% of the list price for additional copies.

Discounts are available for educational organisations. Please ask us for more information.

You can rent the full software package, comprising all 7 modules, at 6160 Euro per year. At the end of the rental period you can return the software, extend the rental period or convert to a perpetual licence at a reduced price of 11550 Euro.

Delivery (no extra charge)

The software is delivered to you free of charges for transportation, packaging and insurance. Any taxes or fees that may be levied by your government for the import of the software have to be paid by you or your import agent. Any taxes or fees levied by the government of the United Kingdom on the export of the software will be paid by us.

The software is supplied complete with comprehensive documentation consisting of on-line help, user manual, theory manual, validation report and tutorials. The software and the user manual are supplied in Arabic, Chinese, English, French, German, Greek, Italian, Japanese, Polish, Portuguese, Spanish and Turkish. Printed copies of the manuals can be included free of charge if required, but please help to reduce our environmental impact by only ordering those copies which you really need.

Initial purchases of WindFarmer include on-line technical support for the first 12 months.

Training, Support and Upgrades

Full training in WindFarmer is available and can be tailored to meet the needs of your staff. Training courses that are open to all are also available.

Users benefit from expert technical support, available 24 hours a day, through specialists in our worldwide offices. Please visit www.gl-garradhassan.com/windfarmersupport for current contact details.

After the initial period, further technical support is available for an annual fee of 15% of the list price, with a minimum charge of 1100 Euro.

During the technical support period any upgrades of the relevant modules will be made available to the user free of charge. Replacement of lost dongles will be charged at the equivalent price of a new additional licence.

Extend and availability of the above offers may be subject to change without notice.

Please use the enclosed Order Form to secure your purchase



WindFarmer order form

Please send your completed order form by email, fax, or post to the address below. On receipt of your order we will send you an invoice and a Software Licence Form with your licence information. Orders are processed on receipt of payment and a Licence Form signed in acceptance of the GL Garrad Hassan Software Licence Agreement, which can be viewed online at: www.gl-garradhassan.com/en/sla.php.

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Product / Module	Cost per copy in Euro*	Number of copies*	Cost
WindFarmer Base *	€ 2,200		
WindFarmer Visualisation #	€ 2,200		
WindFarmer Turbulence Intensity #	€ 2,200		
WindFarmer Financial #	€ 2,200		
WindFarmer Electrical #	€ 2,200		
WindFarmer Shadow Flicker #	€ 2,200		
WindFarmer MCP+ #	€ 2,200		
WASP wind flow software	€ 3,300 **		
Printed manuals (optional, maximum 1 copy per licence)			FREE
# Requires the Base Module * See section on discounts ** May change, price set by Risø *** VAT applies to all UK orders. Applies to other EU orders except if company is VAT registered. Does not apply to companies outside EU.		Sub-total:	
		VAT if applicable ***	
		TOTAL COST:	

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