



SuSi SuperSilent ecological small windturbine

presented by Dr. Elena + Susanne Möhring | EURO-WINDPOWER oHG

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SuSi SuperSilent windturbines noiseless, sustainable, durable from ecological materials



- Farmers, owners of holiday houses, resorts, individualists, business owners, people living on islands or at the seaside have energy at hand :

WIND, WIND, WIND

- The SuSi wind turbine is the low-cost, easy to build, do-it-yourself DIY wind energy collecting device that perfectly fits any living environment.
- It can easily be combined into hybrid solutions with solar / PV installations.
- Later on, watch the SuSi in action on : <https://www.youtube.com/watch?v=zPZIKGh7hnc>



SuSi SuperSilent – the vision, the concept, the idea

- The **vision has grown in 2011** to support developing regions worldwide with an ecological, independent and easy to build up power supply.
- Dr Moehring invented and developed the SuSi wind turbine starting in the year 2011
- **Since 2014 EURO-WINDPOWER oHG**, the family business of Dr Elena Möhring and Susanne Möhring - mother and daughter - further optimised and installed SuSi VAWTs
- The **Do-It-Yourself (D I Y) concept** was first tested by themselves, later with partners and clients. The „low-tech concept“ was intentionally designed as it is, to have each and any SuSi wind turbine built on-site and with **local manufacturers and partners** as an „island solution“ or in hybrid installations together with solar/PV and/or water pump systems.
- The idea and concept of SuSi wind turbines were successfully registered in 2014 with the Germany Patent and Trademark office.



B2B Partners and organisations worldwide will join our vision! Let us collaborate in partnership



- **We are looking for further partners**, especially small or medium-sized businesses, especially family-driven businesses or such run by the owners themselves, craftsmen and manufacturers:
 - **Craftsmen** of woodwork, metal design and carpenters
 - **Businesses** that are already selling products in the renewable energy area, like photovoltaic, warmth pumps and other energy products for houses, resorts, farms, decentralised locations
 - **Partners**, who share our vision to offer SuSi as an independent power supply, power back-up in cases of sudden emergency and as a power supply device in case of black-outs from a grid.
 - **Project Partners (NGO, schools, communities)**, whose intention is to build the SuSi with a team of young people, unemployed workers or other persons seeking a challenge and looking forward to proudly using and presenting the result of their own work: **The working SuSi – that is their own!**

The SuSi concept is not meant to be a „money-making machine“ for stakeholders.

Facts and specifications of SuSi **VAWT** windturbines



- SuSi Windturbines deliver 12V DC to be stored in batteries. From there, you can easily take power to **12V products** like lights, or you **can transform 12V to 230V**. Of course, you can easily attach almost any products running either on 230V AC and/or 12V DC caravanning products, both in parallel.
- As the **power is saved whenever the wind blows**, the stored energy is not stored continuously, only when the wind blows. Such an AGM or bigger lead battery's storage capacity should start at 120Ah. It can be increased by adding batteries that are an independent power back-up for light, cooling products and smartphones/tablets to be charged for staying connected to the internet.
- The SuSi windturbine requires wind speed of at least **20km/h = 6m/s (cut-in speed)** to start producing power to be stored in batteries.
- The SuSi wind turbines easily work together with existing renewable energy products like warmth pumps and/or photovoltaic /solar collectors (24V) in ecological projects known as „**hybrid installations** “. **Ask for more details!**
- The SuSi wind turbine is **noiseless**, made of **ecological materials and self-regulating** at any speed thus not have to be shut down in storms
- The SuSi wind turbine has translucent blades and a **size of 1.5m in width** and at **max. 10m height**.

Places for SuSi to be set up and used as an independent power supply

- **Small farms, infirmaries, or local schools** looking for a power supply from their storage batteries (12V DC) in case of a grid black-out
- **Remote places with self-supply** like rural areas, remote holiday houses, shelters for hikers in the mountains, surfing or golf places with a frequent gathering of tourists, e.g. sailing or surfing coastal sites
- **Small companies** that are looking for an eye-catcher spinning in the wind and showing their advertorial information
- **Camping and holiday sites**, camping sites at beaches or in hilly areas, and holiday homes that are not connected to a grid and who would like to have stored electric power for security and reloading smartphones
- **Coastal areas** with sailors' and surfers' tourism places, and scenic tourist resorts with a particular interest in ecological power generation and power supply, like the Aran Islands or the Beara Peninsula, for example.
- **Agricultural sites** in need of energy for light without the risk of incineration of the shed or stable, cooling of food and/or water pumps without having a current power supply, like hilly or mountain areas



Steps for SuSi to get to the final place to work for you !

Checking wind speed over at least 3 months.
Regular wind at more than 30 km/h required.

Decision on how to build it (DIY or partly pre-assembled) with local project partners

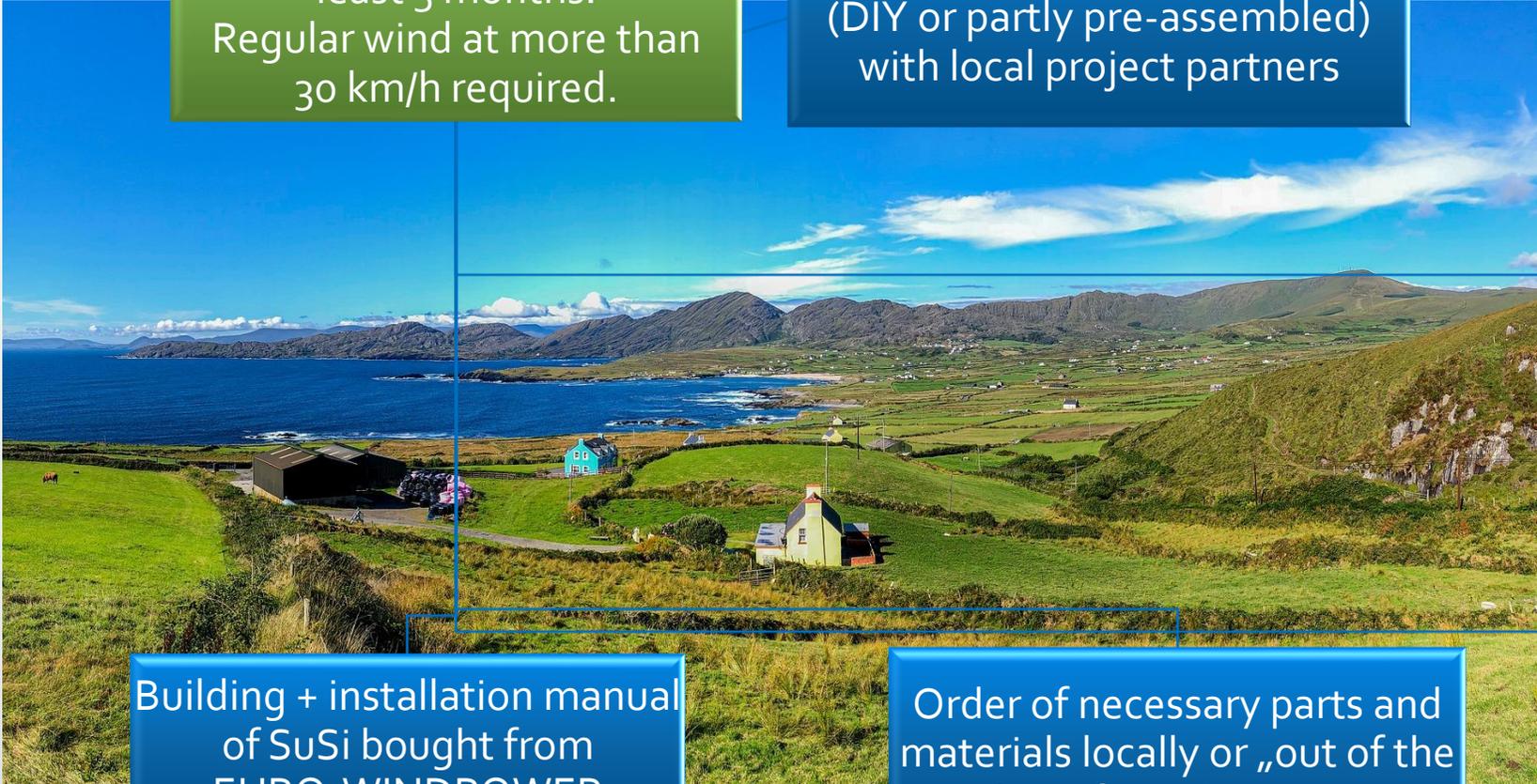


Assembling partly off-site by craftsmen or partners or all on-site

Building + installation manual of SuSi bought from EURO-WINDPOWER

Order of necessary parts and materials locally or „out of the box“ from Germany

Set-up on-site and finish within one day with the team



Offgrid, Do-It-Yourself (DIY), one single investment



- SuSi windturbines have to be bought once. They have **no subsequent costs**. They offer **12V/24V** and **120V/230V** supply. A single SuSi is suitable for one household, shed, small farm, caravan site, house, the pico-grid etc.
- SuSi windturbines offer **independent power supply from batteries** in **offgrid** scenarios or in **blackout** situations. They work perfectly together with PV installations that save power in the same batteries for non-continuous demand of power.
- SuSi windturbines are a **do-it-yourself concept**. They are assembled locally and **set up** manually on-site in **one day**.

Steps to get SuSi to your place in Ireland :

Contact us

We provide the plan and details which parts are necessary

Contact local parts suppliers or us

Order parts locally or the „out of the box“ DIY-Set from Germany

Build the team

Decide which persons will assemble the SuSi together

Install the SuSi

Choose one day with low wind to finally install the SuSi



Contact us for further information

- SuSi wind turbines can be used as a stand-alone and independent power supply and part of a whole energy concept at your place.
- Ideal for most ecological projects!
NGO and governmental projects welcome.
- **Ask for further information on how to implement it, at best, into your idea, your concept or your project.**
- **Feel free to ask any questions!**
- Thank you for taking the time and listening.
- Yours Dr. Elena + Susanne Möhring



Contact information :

- Online :
<https://www.euro-windpower.de> (German)
<https://www.euro-windpower.eu> (International)
 - Address :

EURO-WINDPOWER oHG
Kohlstattstr. 22
D-94146 Sonndorf – Bavaria
 - Mail : elena.moehring@euro-windpower.com
susanne.moehring@euro-windpower.com
 - By phone :
+49 8551 9139404
- English and German spoken support

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