



# SuSi SuperSilent windturbine

Presented by Dr. Elena + Susanne Möhring | EURO-WINDPOWER oHG  
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# SuSi SuperSilent windturbines noiseless, sustainable, durable with ecological material

- Farmers, owners of holiday houses, individualists, business owners, people living on islands or at the seaside have one energy at hand :
- WIND, WIND, WIND
- The SuSi windturbine is the low-cost, easy to built, do-it-yourself wind energy collecting device that fits into the living environment.



# SuSi SuperSilent – the vision, the concept, the idea

- The vision came in 2011 to support poor regions in the world with clean power supply
- Dr. Moehring invented and developed the SuSi windturbine in 2011
- Since 2014 EURO-WINDPOWER oHG as family business of Dr. Elena Möhring and Susanne Möhring, mother and daughter, further optimized and installed SuSis
- The Do-it-Yourself DIY concept was tested by themselves and with partners and clients. The low-tech concept was intentionally designed to have SuSi windturbines built on-site and with local manufacturers and partners
- The idea and concept of SuSi windturbines was successfully registered 2014 with the Germany Patent and Trademark office.

# Partners in countries all over the world join us :



- **We are looking for partners**, especially small or medium sized business, especially family businesses or 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, farms, decentralized locations
  - Partners who share our vision to offer SuSi as partial independent power supply and as power supply device in case of black-outs from a grid
  - Project Partners whose intention is to build the SuSi as a team of young people, unemployed workers or others seeking a challenge and looking forward to proudly use and present the result of their work : the working SuSi – their own !
- The SuSi concept is not meant to be a „money making machine“ for stakeholders.

# Some details about SuSi



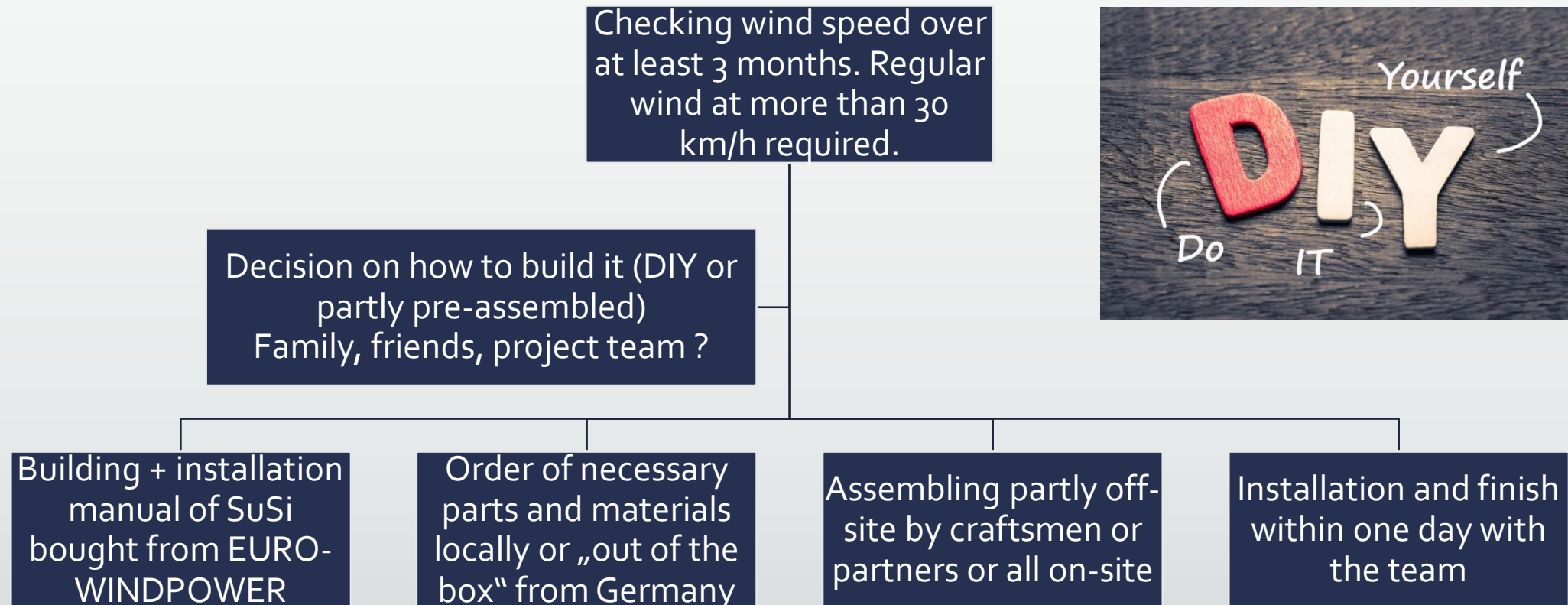
- SuSi Windturbines deliver 12V power that can be stored in batteries. From these batteries you can easily take the power to 12V products like lights or you can transform the 12V to 230V. Then you can easily attach any kind of products running on 230V
- As the power is saved when the wind blows, the stored in energy is not stored continuously but whenever wind blows. The storage capacity of such a battery normally should start at 120Ah and can be increased by adding batteries in case the storage space for power is insufficient
- The SuSi windturbine needs at least 30km/h = 6m/s to start producing power that can be stored in batteries.
- The SuSi windturbines easily works together with existing renewable energy products like photovoltaic, warmth pumps and solar collectors. Ask us for details !
- The SuSi windturbine is noiseless and self-regulating at any speed so that it does not have to be shut down in storms
- The SuSi windturbine has translucent blades and a size of 1.5m width and at max. 10m height.

# Places for SuSi to be set up and used as decentral power supply

- **Farms** looking for a redundant power supply from their storage batteries in case of a black-out
- **Farms** using the 12V power for lights in their shed avoiding the 230V risk of fire
- **Community places** like Kindergarten, primary schools, youth clubs that want to build the SuSi as community project and proudly experience the collection of energy from nature for personal use
- **Small companies** that are looking for an eye-catcher turning in the wind and showing their advertorial information
- **Camping and holiday sites**, camping sites at beaches or in mountain areas and holiday homes that are not connected to the grid and that would like to have stored electric power when being there
- **Coastal areas** with sailors' and surfers' tourism places
- **Agricultural sites** at need energy for water pumps without having current power supply



# Steps for SuSi to get to the final place



# Aspects necessary to be taken into account

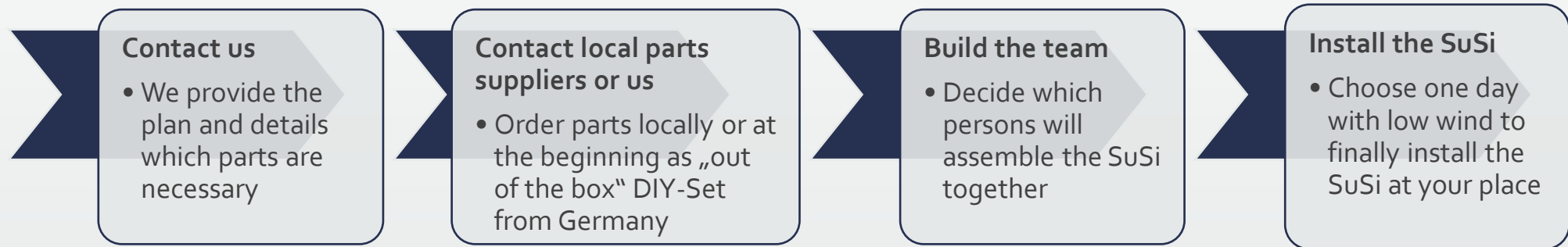


- Shall a SuSi serve as redundant power supply or as continuous supply for 12V ?
- Is the SuSi meant to be a cost-saving alternative to buying power from the grid or is it an investment in independence and a project in renewable energy ?
- Is the site where the SuSi should be installed small enough, like a farm or a family home or a small business site, that the possible energy collected and used and the annual need of power fit together ?
- Are you or your partners interested in a do-it-yourself concept and do you feel challenged by assembling SuSi yourself ?

**DIY** : Do-It-Yourself



# Steps to get SuSi to your place in Cambodscha:



# Contact us for further information

- SuSi windturbines can be used as stand-alone and independent power supply, as well as part of a whole energy concept at your place.
- **Ask us for further information how to implement it at best into your idea, your concept or your project.**
- **Feel free to ask questions !**
- Thank you for taking the time and listening.
- Yours Dr. Elena + Susanne Möhring



- Contact information :
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