



# WIND TURBINE

project



**SIMETI**  
W I N D E N E R G Y

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# SIMETI WIND TURBINE

## The Real Wind Hunter

Wind turbine type SIMETI indication of wind shifts to the next level micro power stations achieved its design and performance. Direct connection of the generator and turbine direct drive ensures smooth operation without excessive vibration or reducing performance.

When selecting a suitable site is a possible extra energy gain in comparison with the small propeller-type wind turbines in use today. The entire range of products offered enables the use of wind energy for small objects in the off-grid systems and systems connected to the grid.

## USING

- I. THE SALE OF THE ENERGY DISTRIBUTORS IN THE NETWORK NN
- II. "ISLAND SYSTEM (GRID-OFF)" – ALL OF ITS ELECTRICITY PRODUCER CONSUMES ITSELF.
- III. IMMEDIATE CONSUMPTION OF THE ENERGY MANAGEMENT PERFORMANCE ON PHASES.

## Advantages

**198 kg**  
**396 lbs**

**40 min**  
**2** 

**5 kWp**

- **Cost of equipment** in comparison with competitors
- **Return of investment from 4 years**
- **2 years warranty**
- Long service life min. 20 years
- **Modular system**
- Simple and **quick installation** without heavy machinery
- Height from 2 meters (to building)
- Simple technical solutions
- Low weight of the equipment
- Performance
- Negligible demands on operation and maintenance
- No noise and non vibratory technology – low peripheral speed

## CERTIFICATES

Wind power was successfully re-tested at the Research and Testing Institute of Aviation Letňany.

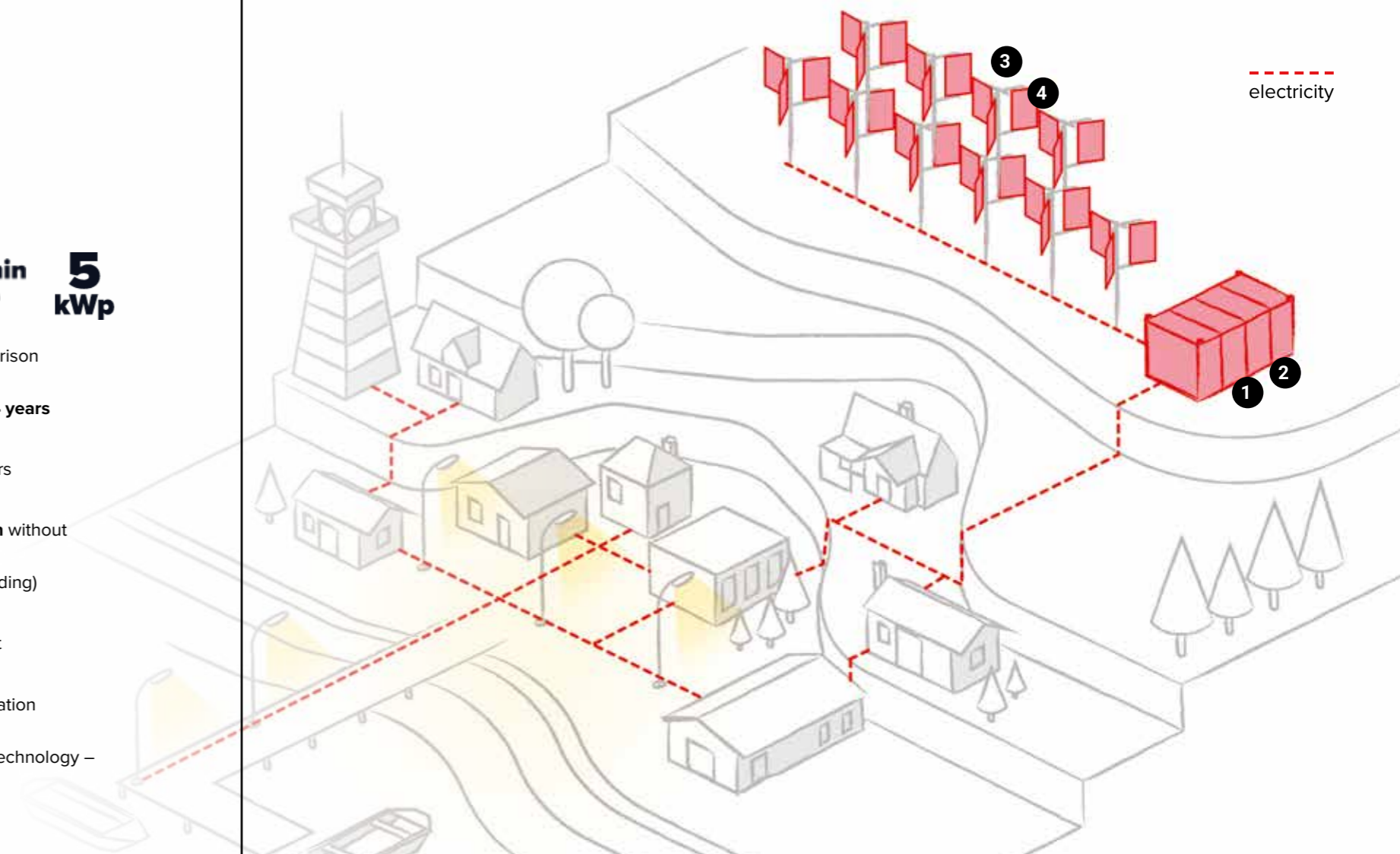
Test the power generator in the state trial was held in Brno



Certificate E-31-00454-13



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## INSTALLATION OF 10 UNITS - TOTAL INSTALLED OUTPUT OF 50 KWP

Investment on return. Feed in tariff ( FIT ) investment - selling power to the grid (local or national). Returnability of the investment depended on charges and potentially on public support, estimated time around 5 yrs.

## TECHNICAL SPECIFICATION: SIMETI 5 KWP TURBINE

Height of the basic model	2400 mm
Height of blade	2000 mm
Width of blade	1200 mm
Weight	200 kg
Number of blades basic model	3 ks
Diameter	2200 mm
The recommended height of location	15 000 mm
Maximum speed	150 rpm
Start-up speed	1,6 m/s
Nominal speed	120 rpm

## List of Technologies

- 1** Battery storage
- 2** Electronic controlling system
- 3** Wind Turbines Simeti
- 4** PV folios on wind turbine blades

