



COMMUNICATION  
NODE

NETWORKING

DIGITIZATION

## THINKING SUSTAINABLE

ATTRACTIVE CO-FINANCING  
THROUGH ADVERTISING

### STATIC ADVERTISING

- + Pasting of V-array fuselages

### DIGITAL ADVERTISING

- + Flexible in design
- + Exemplary with LED-screens



DIRECTTECH Verwaltungs GmbH  
Business premises Moers  
Bullermannshof 21  
D-47441 Moers

Fon: +49 (0)2841/99 802-0  
Fax: +49 (0)2841/99 802-19

[info@silentrevolution.com](mailto:info@silentrevolution.com)  
[www.silentrevolution.com](http://www.silentrevolution.com)



THE SILENT REVOLUTION®

# WIND ENERGY REDEFINED



# DETAILS



## CERTIFIED ACCORDING TO 61400ff.

Worldwide the first vertical-axis wind turbine that has been certified acc. to 61400ff.



## TWIN TURBINE SYSTEM

Silent moving, no typical shadow effect, low oscillations, small footprint.



## THE TURBINE

Self-starting, turns into the wind direction without aid, ideal for fluctuating wind - follows every wind gust.



## NO DANGER

Based on the construction, experts do not expect any danger for bats & birds.

Total height:	20 m	Blade area in m <sup>2</sup> :	20
Type:	vertical	IEC wind class:	III
Rotors:	2	DIBt wind zone:	3
Diameter each rotor:	1 m	Cut-off wind speed:	25 m/s
Blades per rotor:	3	Survival wind speed:	52 m/s
Length of blades:	10 m	Security system:	fail safe
Nominal capacity:	10 KW	Advertising space:	30 m <sup>2</sup>

# FLEXIBLE AND INTERCONNECTED

In the course of global digitization and the resulting networking of services and technologies, this Twin Turbine System offers the possibility of combining these services as multifunctional technology carrier and intersection for data transfer. The linking of already implemented measures corresponds to the requirement of resource-conserving proceedings.



# THE SYSTEM

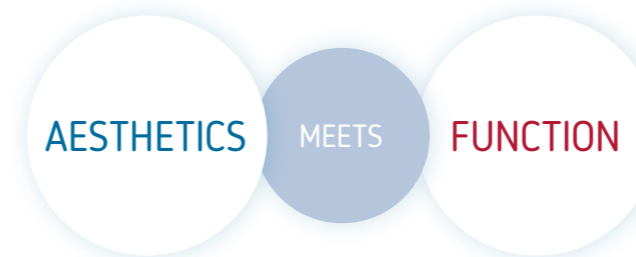
## PRIMARY INVENTED FOR THE INTEGRATION IN URBAN INFRASTRUCTURE

### CHARACTERISTICS

- + Twin Turbine System
- + V-Array Fuselage
- + Self-starting
- + Dynamic rotational swivel point
- + Ideal for fluctuating wind - follows every wind gust
- + Multifunctional use

### IT IS DIFFERENT

- + Silent moving
- + Without typical shadowing effect
- + No danger for bats and birds
- + Small oscillations
- + Aesthetic and slim design



# THINKING SUSTAINABLE

## THE MULTIFUNCTIONAL PLATFORM

### ADDED VALUE THROUGH SYNERGIES & FEES

- + Lightning
- + Traffic guidance systems
- + Parking guidance systems
- + Mobile communications / internet aerials
- + Combination with storage for supplying E-charging stations (green driving)
- + Communication NODE for autonomous driving
- + Platform for „5G network“

