



MOWEA
Modular Wind Power

WIND-POWERED RADIO TOWER



ON-SITE GREEN ENERGY

Renewable energies are leading the way to achieve carbon neutrality.

SUSTAINABLE BRAND IMAGE

Leaders of all industries achieve a measurable positive impact on sustainability and align with ESG principles by generating clean energy, reducing carbon footprint, and developing sustainable energy strategies.

ECONOMIC ENERGY

Diesel generators are expensive and electricity prices from the grid have reached record high. Modular wind energy will enable companies to save energy costs.

FLEXIBLE ENERGY UNITS

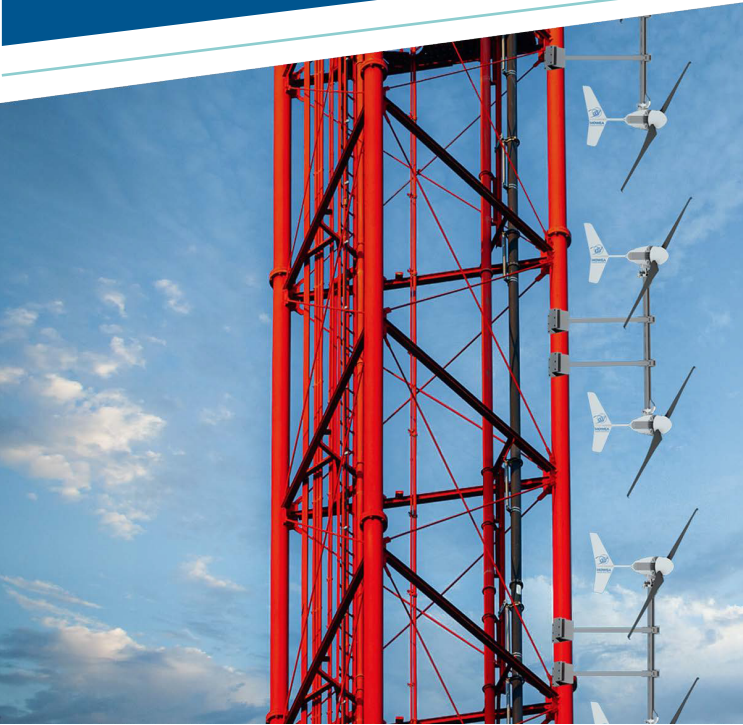
Customizable energy solutions can cater to businesses of all industries, accommodating their unique energy consumption needs, available space, and budget.

EFFICIENT
SCALABLE
EVERYWHERE



MOWEA decarbonizes the energy consumption of telecommunication companies by providing modular and economic wind power solutions.

MOWEA TELECOMMUNICATION SERIES



MOWEA STRING PRODUCT SPECIFICATIONS

NUMBER OF UNITS	4 - 16
NOMINAL CAPACITY	2 - 8 kW
ROTOR DIAMETER	1.7 m
ENERGY YIELD at 5 m/s at 6 m/s	~ 720 kWh/a ~ 1070 kWh/a
NOISE EMISSION at 750rpm and 8 m/s	50 dB(A) from 40 m distance (commercial areas) 45 dB(A) from 70 m distance (urban areas) 35 dB(A) from 225 m distance (pure residential areas)
OVERVOLTAGE PROTECTION	Electromechanical Brake
WIND YAW	360 degrees
ROTATION AXIS	Horizontal

UP TO TWO THIRD OF THE TOWER ENERGY NEED

4KW WIND ENERGY SYSTEM:

Energy OUTPUT AT 5 m/s: approx. 6.000 kWh/year
Potential carbon saving per year: 2,016t

based on Germany's energy mix



FLEXIBLY ADAPTABLE ENERGY SOLUTION FOR TOWER COMPANIES
(2KW, 4KW, 8KW)

HIGH AVAILABILITY DUE TO MODULARITY
(EACH TURBINE RUNS SELF-SUFFICIENT)

SAFE OPERATION
(FAIL SAFE ACTIVE BRAKE,
LIGHTNING/OVER-VOLTAGE PROTECTION,
SEAMLESS INTEGRATION INTO EMS)

SMART OPERATION
(REMOTE CONTROL, MONITORING AND
PREDICTIVE MAINTENANCE)

CONTACT US

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