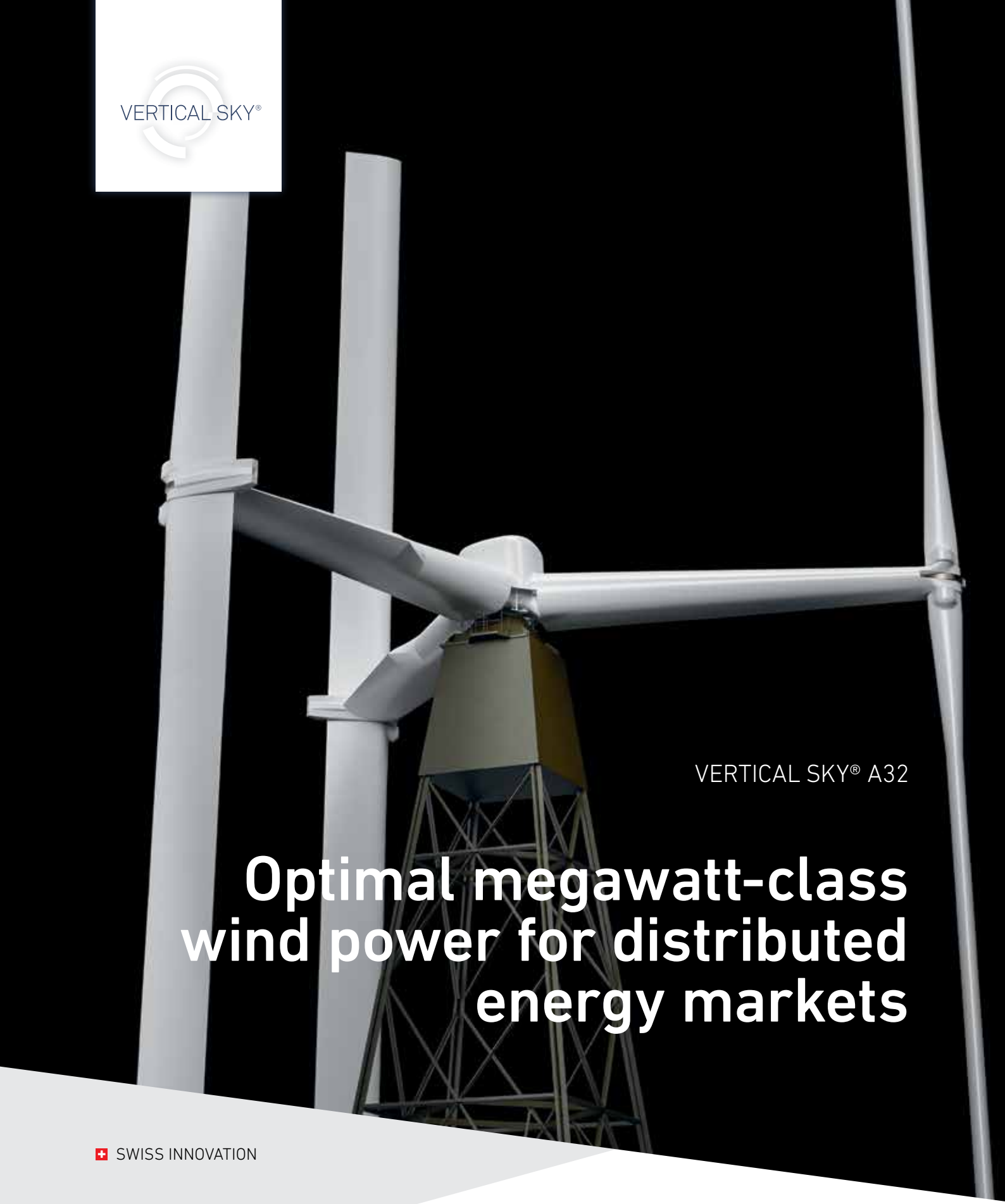
VERTICAL SKY®



VERTICAL SKY® A32

Optimal megawatt-class wind power for distributed energy markets

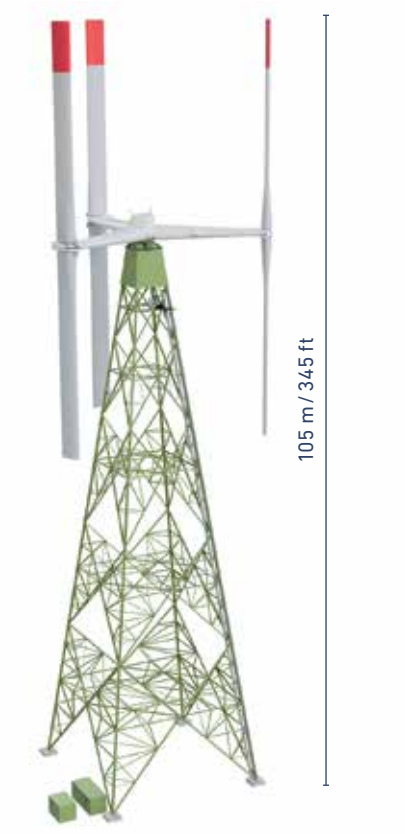
SWISS INNOVATION

AGILE WIND POWER | Im Schörli 3 | CH-8600 Dübendorf | Switzerland
P +41 44 228 90 00 | info@agilewindpower.com | www.agilewindpower.com

AGILE
WIND POWER

WORLD PREMIERE

Silent large-scale wind power for local energy production



"Vertical Sky® A32" – The first quiet 750 kW, 105 meter (345 ft) tall vertical-axis wind turbine, which meets the stringent requirements of international certification for large wind turbines (IEC 61400) with the efficiency of modern, conventional wind turbines, ideal for own-generation.

This revolution is due to the real-time pitch control system developed by Agile Wind Power: A precise and continuous self-optimizing control of the rotor blades during operation

- *3 times less perceived noise due to three times lower tip speed 15 dB (sound power level) noise reduction*
- *Easy to transport, install, operate and maintain in "difficult to access terrain" or near populated areas.*

These factors are vital for the success of distributed wind turbine installations.

Vertical Sky® is designed for and perfectly positioned in the distributed energy markets to produce electricity locally where it is needed in an economic way. Vertical Sky® can be installed where conventional large wind turbines cannot.

SIGNIFICANT ADVANTAGES

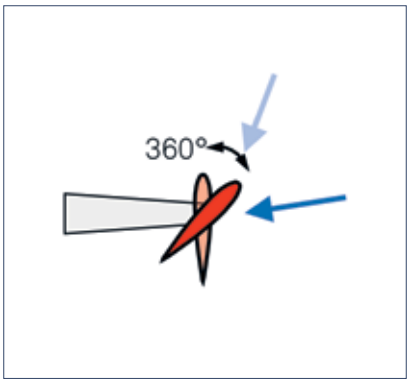
Reduced environmental impact, simplified logistics, increased efficiency

01 *Low noise emissions*
02 *Low visual impact*
03 *Reduced risk for birds and bats*
04 *No oversize transport or special mobile cranes needed*
05 *No additional road construction*
06 *Easy installation even in difficult terrain*
07 *Maintenance without special equipment*

BREAKTHROUGH TECHNOLOGY

Quick and precise adjustment of the rotor blades to optimize positioning during rotation of rotor

- *Permanent optimization of the rotor blade position in real-time; electronically controlled with machine-learning mechanism*
- *Rotor blades are always at the optimum angle of attack to the incoming airflow → reduced load*
- *Permanent wind direction tracking → higher energy gain*
- *Failsafe blade release*
- *Feathered position for high wind speeds → lowloads*
- *Gearless and air-cooled drive*
- *Designed for robust continuous operation of at least 25 years*

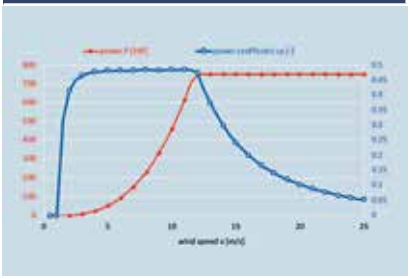


Be part of a new era of power production. Distributed, independent, self-sustaining, renewable and economic. Be part of the future.

— Patrick Richter,
CEO and founder

Vertical Sky® A32 / 750-105	
Diameter of rotor	32 m / 105 ft
Blade length (total)	54 m / 177 ft
Hub height	78 m / 256 ft
Total height	105 m / 345 ft
Rated power	750 kW
Wind class (IEC)	II/S (including II/A)
Sound power level	85 dB (< 40 dB in 100 m / 328 ft distance)

Power curve



A low wind variant A42 with rated power of 600 kW and a larger type of Vertical Sky® A45 with rated power of 1.5 MW (including a 1.2 MW low wind variant A60) are in planning.

ABOUT AGILE WIND POWER

Agile Wind Power, established on March 1, 2010, is a Swiss pioneering hightech company, which has developed a game chaning technology for wind energy.

For the first time in the history of vertical-axis wind turbines, large and reliable vertical-axis wind turbines can be realized for economic power generation in distributed energy markets.
The company is headquartered near Zurich in Switzerland.

VERTICAL SKY® A32 – FOR DISTRIBUTED ECONOMIC POWER PRODUCTION

The revolutionary Vertical Sky® A32 turbine is perfectly suited for many fields of application:

Village communities/municipalities: *Power production within smart-/microgrids*

Industry: *Mining, manufacturing, concrete, and all other heavy industries*

Commercial operation: *Reduction of electric bills by providing one's facilities with one's own distributed source of power e. g. waste water plants, desalination plants*

Agriculture: *Farmers, growers, and neighbors using their land for the self-supply of electricity and an additional source of income*

Hybrid applications: *Wind turbines combined with photovoltaic, biogas or diesel plants*

Recreation, tourism, and special sites: *Ski regions, campgrounds, amusement parks, remote areas, mountain regions, islands*

tollkirsch.ch

AGILE WIND POWER | Im Schörli 3 | 8600 Dübendorf | Switzerland
P +41 44 228 90 00 | info@agilewindpower.com | www.agilewindpower.com

AGILE
WIND POWER