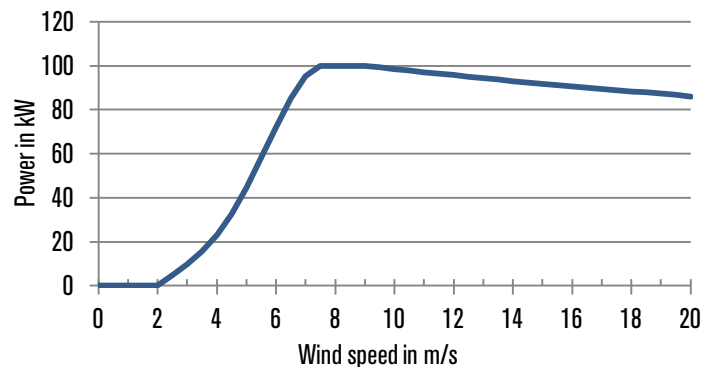

TECHNICAL DATA – EK200

Rated power	100 kW
Voltage AC	400/240 V
Rated wind	7,5 m/s
Wing area	30 m ²
Cut-In speed	2.5 m/s
Cut-Off speed	20 m/s
Nominal altitude	200 m
Altitude range	80 – 300 m
Tether length	600 m
Wind class	IEC IIa - IV
Norm. temperature range	-20 – 40°C
Reference yield*	570 MWh/yr
LCOE**	8,8 ct/kWh
Integrated Storage	100 kWh
Form factor	20 ft Container HQ
Weight	12,5 tons

*EEG 2016: 6.45 m/s @ 100 m, Hellmann Coeff. $\alpha = 0.25$, **Small series

POWER CURVE



CONTACT

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PRESENTING EK200



PRODUKT DESCRIPTION

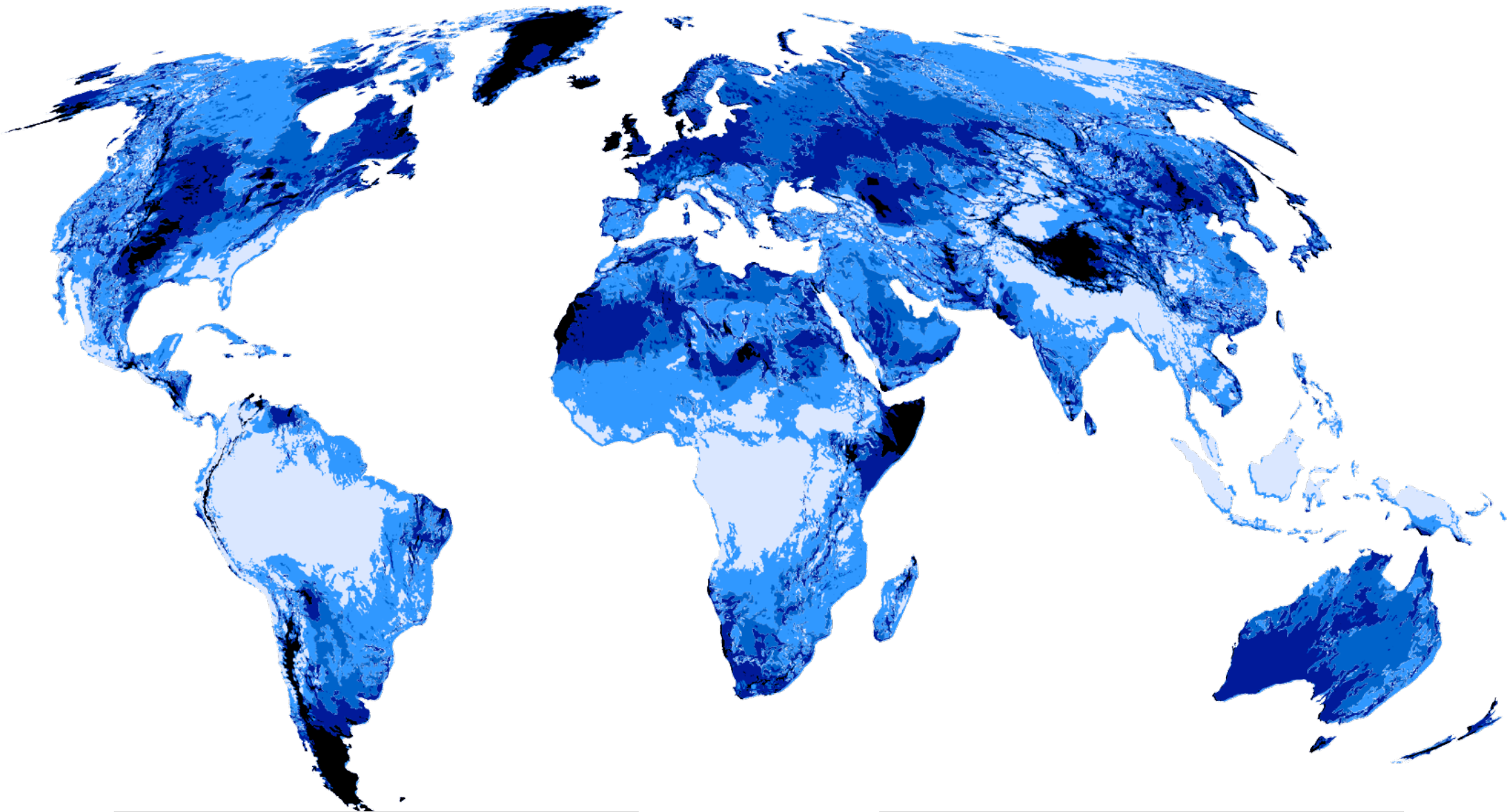
The EK200 is a portable wind energy and storage system for decentralized power generation and uninterrupted power supply. It is suitable for self-supply of agricultural enterprises and villages in rural environment. The EK200 provides reliable clean electricity at 7 – 12 ct/kWh, replacing expensive diesel fuel from power generation in isolated grids and developing regions. The operation is fully automated over the entire range including launch and landings. Via a remote monitoring and control system (SCADA) the units will be supervised and fed with weather and environmental data constantly.

UNIQUE SELLING PROPERTIES

Ultra high capacity factors	50% - 75%
Return on Investment as low	2 – 4 years
Portability, Flexibility, Redundancies	
Uninterrupted supply and power management	

Security and reliability of operation
Easy maintenance and repair
Easy transport and erection

Low land consumption
Minimal visual impact
Minimal and noise generation



WORLDWIDE ECONOMY

At 80 % of the onshore locations, prevailing winds allow for power generation with EnerKite EK200, which is cheaper than PV or diesel power. 100 kW wind turbines are working economically at high wind spots which represent 2% of the land mass. Basis: World map of annual winds, logarithmic wind profile, roughness $z_0 = 01$, Raleigh-distribution, ideal-typical capex and opex.

LEVELIZED COST OF ELECTRICITY €ct/kWh

EnerKite EK200 vs. Wind turbine 100 kW

7	8	10	12	
14	17	28	45	83
$V_{80} \geq 8,0$	$V_{80} \geq 6,5$	$V_{80} \geq 5,5$	$V_{80} \geq 4,5$	

Wind data: Tier3, Annual wind at 80 m in m/s