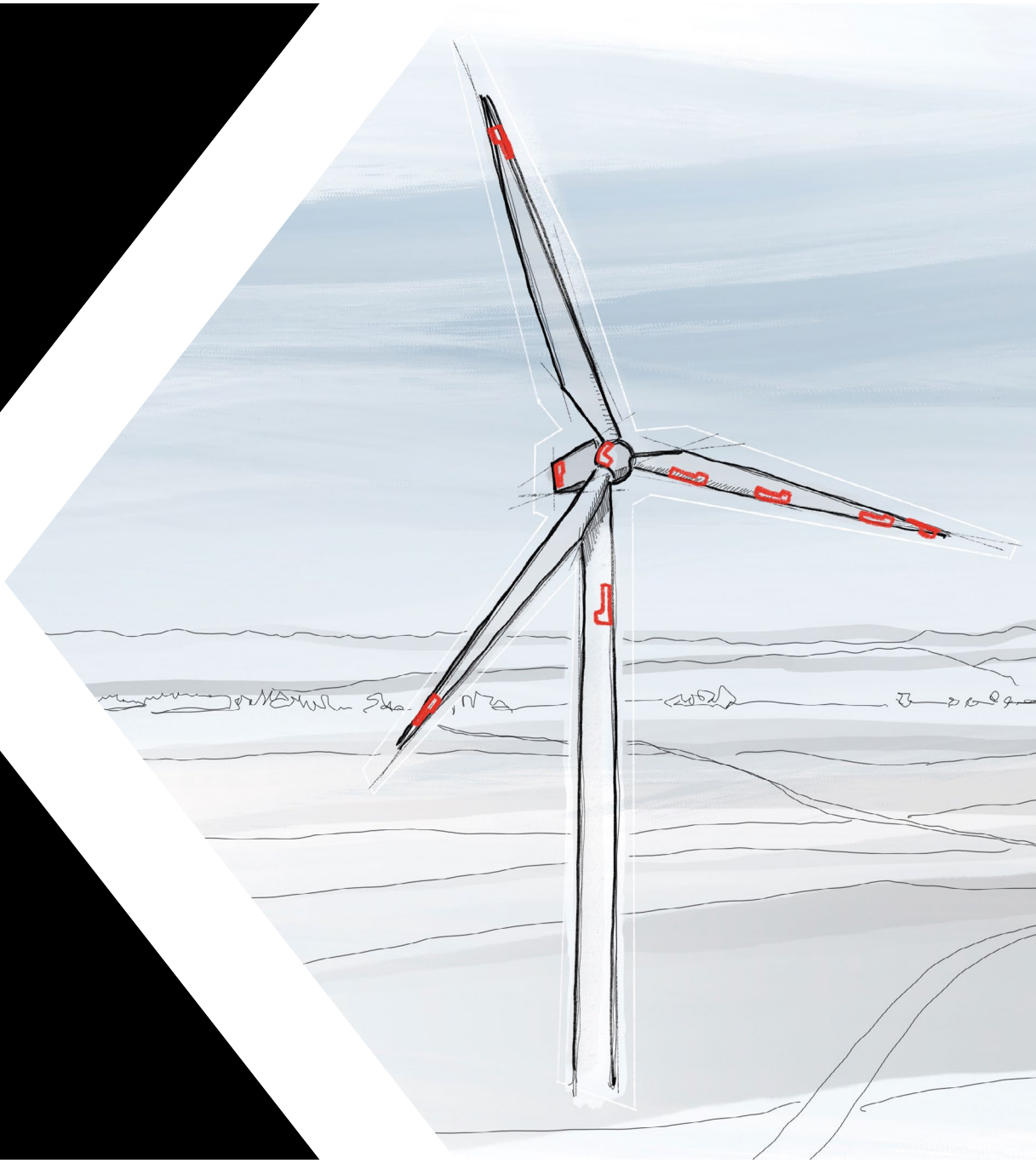
eologix
sensor technology



More profit by smart sensors

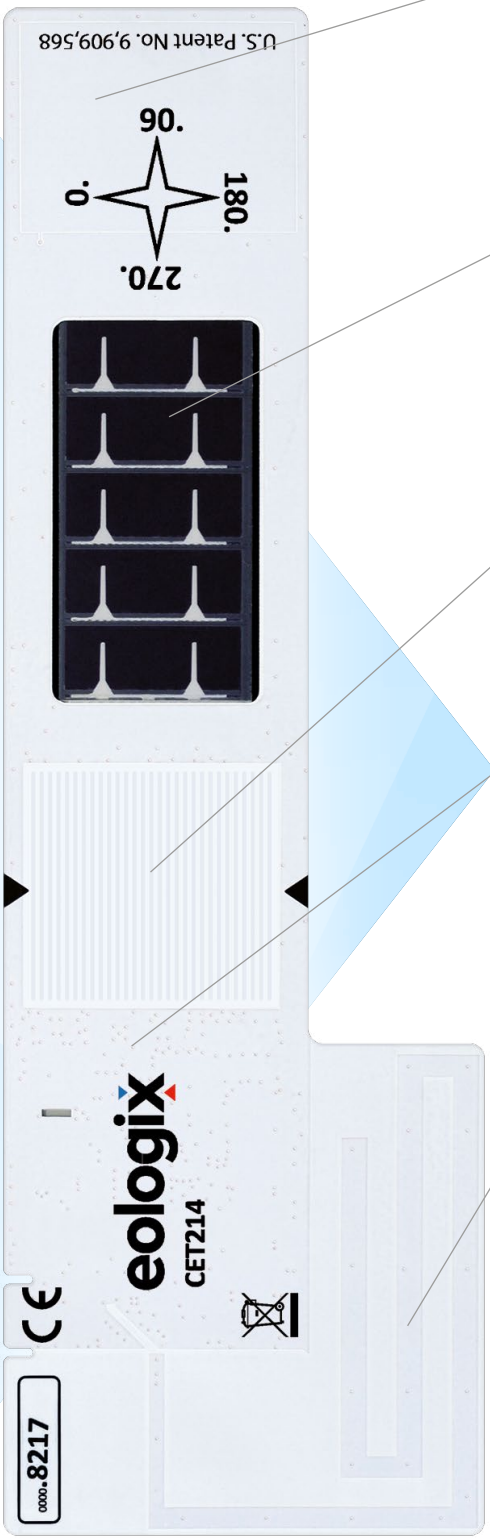
› flexible
› retrofittable
› maintenance-free

Ice accumulation on wind turbine rotor blades has a crucial impact on operation and maintenance. Lower return due to aerodynamic imbalances as well as safety of the power plant and its surroundings are of central importance.
Measure icing exactly on the surface of the rotor blade. This increases the yield of your plant. The eologix sensor systems are wireless, flexible and energy self-sufficient.

- **eologix safe:** Stop at ice accumulation
- **eologix restart:** Automatic restart
- **eologix heat:** Preventive heating

RENEWABLES CERTIFICATION
DNV·GL
Certificate no.
CC-GL-IV-1-00526-4-EN

Original size



Max. thickness of the sensor: < 2 mm

Energy buffer

Rechargeable, sensor function without light for more than 1000 hours

Energy source

Flexible solar cell for unlimited power supply

Ice detection

Direct measurement on the rotor blade

Temperature measurement

Surface temperature, Accuracy of 0.25°C

Wireless

No wiring in the rotor blade necessary

Advantages and benefits

- Reduce downtimes up to 200h per year
- No running costs
- Certified system
- Measurement at standstill
- Reduces heating costs
- Suitable for all plant types
- Installation and commissioning < 3 days

Ice accumulation on the rotorblade

Installation by rope access

Sensor on the rotor blade

Temperature measurement

eologix
sensor technology

Smart sensors
for smart surfaces

eologix sensor technology gmbh, founded 2014 in Graz, is the specialist for energy self-sufficient, wireless, mechanical flexible, smart sensors for data acquisition on various surfaces.

As market leader for ice detection in Austria eologix supports their customers to reduce downtimes and make wind energy more efficient and more productive.

Cooperations with manufactures of wind turbines and different universities secure the technology edge of eologix.

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