

FLEXIMAUS 2.0 ENHANCEMENTS IN SPECIES PROTECTION

„Fleximaus“ is the only system which is able to switch-off wind farms in a reliable, customer-friendly fashion, honoring all permissions needed, in order to protect species.

- Mowing switch-off
- Shadow switch-off
- Switch-off for migrating birds (On- and Offshore)
- Interface to bird detection systems
- Smart data access via our website

CUSTOMER FEEDBACK

BÜRGERWINDPARK HOHENLOHE GMBH

„We chose „Fleximaus“ due to numerous innovations, which promise lower profit cuts, as well as the active system management and the excellent support.“

INGENIEURBÜRO SING GMBH:

„We use „Fleximaus“ in the wind farms we manage. The technology works excellently, and if we have any questions, the Fleximaus – team is immediately available at all times.“

WUST – WIND & SONNE GMBH & CO. KG:

„The reliable adoption of the bat-switch-off system entails economic advantages for the managed community wind farms and supports the technical management.“

W-I-N-D ENERGIEN GMBH:

„We chose the Fleximaus system, because the switch-off periods can quickly be implemented. Therefore, safe and at the same time yield-optimized switch-offs are compatible to bat protection.“



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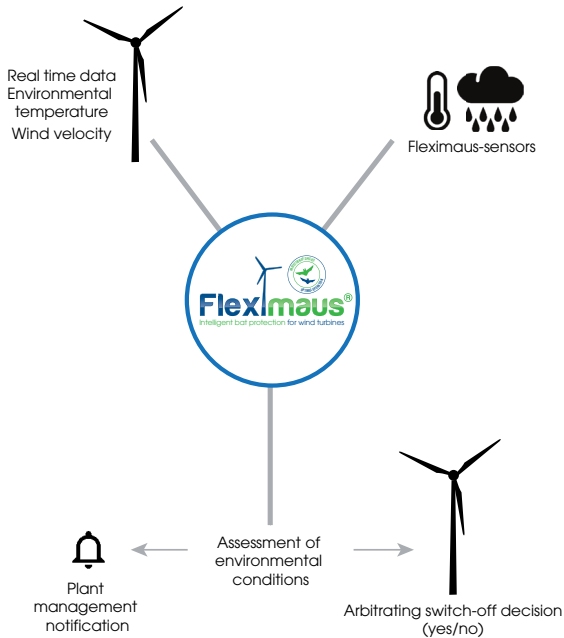
PROTECTING FLYING ANIMALS

YOUR ADVANTAGES:

- ✓ BAT PROTECTION
- ✓ SMART HANDLING
- ✓ OPTIMISE HOURS OF OPERATION
- ✓ INTERNAL DOCUMENTATION
- ✓ EXTERNAL CERTIFICATION



Deploying „Fleximaus“, you protect the native bats while optimising the wind power plant hours of operation.



FUNCTIONALITY

„Fleximaus“ monitors the current environmental conditions which impact the hunting behaviour of bats. The tool decides about running or switching-off the wind turbine based on expert knowledge about flight probability and with the help of an intelligent algorithm.

BILL OF MATERIAL

- Industrial PC
- Optional rain sensor
- Optional temperature sensor
- Optional humidity sensor

„FLEXIMAUS“ PROTECTS BATS AND GENERATES ADDITIONAL VALUE ON ALL LEVELS.

FLEXIBILITY

„Fleximaus“ can be retrofit in existing projects anytime. Changes of the wind turbine switch-off procedures, based on specifications, can be implemented quickly. The product is independent of wind turbine manufacturers. It enables both plant separations and a bundled operation of wind turbines within a wind farm.

INTELLIGENCE

Maximal run times are achieved through the usage of an intelligent algorithm. This algorithm establishes the division of the night in tenths and prevents unnecessary switch-off during rainfall. The exact computation of bat flight period relevant environmental data is guaranteed by „Fleximaus“.

PRECISION

The determination of sunrise and sunset, day by day, reduces the observation window by multiple hours per Month. Schedule and switch-off allowance, based on expert opinions, are precisely implemented. Environmental conditions as well as switch-off periods are recorded accurately.

TRANSPARENCY

The operator will be notified about every step of the system and will be able to review switch-off periods by clearly structured representations, any time. The function of the tool is continually monitored. Error-messages can be sent to the wind farm management.

LEGAL CERTAINTY

The implementation of all specifications of the notification of permission are assured by „Fleximaus“. Operation bans due to missing or wrong switch-off of the wind farm are avoided. Proving evidence of the compliance with regulations is straight forward and fast.

