



EDM  
reliability & innovation

# WIND FARM APPLICATION AVIAN COLLISION AVOIDANCE SYSTEM (ACAS)

Ultraviolet nocturnal illumination

110v base-mounted ACAS units on each turbine illuminate adjacent turbines.

**600,000+**

Bats killed at U.S. wind farms annually  
(Hayes, 2013)

**500,000+**

Birds killed at U.S. wind farms annually  
(Merriman, 2021)

## EFFICACY

Renewables  
are the future  
of energy.

Birds & bats  
see ultraviolet  
light. People do  
not. No local  
disturbance.

Bats avoid  
ultraviolet-  
illuminated  
woodlands  
(Gorresen et al. 2015)

ACAS has been  
effective in  
reducing avian  
collisions.  
(Baasch et al., 2022)  
(Dwyer et al., 2018)

ACAS may  
reduce or  
eliminate  
the need for  
nighttime  
curtailment.