About Us

How It Works Species

Installations Support

News

*Protecting nature in a
renewable world.*

About Us

Aims High

wildlife impacts while maximizing energy production.

How We're Doing This

Blending AI, Machine Learning and High-Precision Optics

The overwhelming advantage of IdentiFlight over other approaches is the **ability to determine species in real time**. This is accomplished using a proprietary hybrid of **machine vision and artificial intelligence technologies**. IdentiFlight also implements machine learning via **convolutional neural network technology**. In this technology, millions of images gathered from IdentiFlight's data set are used to train a neural network. Leveraging the convolutional neural network data allows the system to **continuously learn and improve** as the data set grows.

About Us

How It Works Species in ⊙

News

Installations Support

Protecting Birds Around the World

The IdentiFlight bird detection system blends artificial intelligence with the high-precision optical technology to detect eagles and other protected avian species. In an operating wind farm, IdentiFlight contributes to eagle conservation by helping protect them from collisions with rotating wind turbine blades. In wind project development, IdentiFlight helps in permitting sites by accurately quantifying avian activity at prospective sites. Automatic detection and species determination occur within seconds for birds flying within a one kilometer hemisphere around an IdentiFlight tower. The IdentiFlight system has completed real-world testing and validation in pilot programs at wind farms with elevated eagle activity and is now commercially deployed at projects around the world.

Installations