

Bioseco Showcases Global Expansion and AI Innovation at WindEurope 2026

Gdańsk, Poland – April 13, 2026 – Bioseco, a leading innovator in avifauna protection technologies for the wind energy sector, will present its next-generation Bird Protection System (BPS) at WindEurope 2026 in Madrid, demonstrating rapid international growth, advanced PTZ-based monitoring capabilities, and accelerated development of AI-driven species recognition.

Building on a strong track record of successful deployments across Europe, Bioseco is expanding into high-growth international markets, including Chile and South Africa, further strengthening its position as a global partner for sustainable wind energy operations.

Advancing Bird Detection: From Stereovision to Intelligent PTZ Systems

Bioseco continues to push the boundaries of bird detection technology by integrating advanced Pan-Tilt-Zoom (PTZ) camera systems into its solutions. This next-generation approach enhances traditional stereovision capabilities, enabling:

- Dynamic tracking of birds across extended distances and complex terrain
- High-resolution visual verification of detected objects
- Expanded datasets for continuous AI model training and validation

By combining stereovision with intelligent PTZ tracking, Bioseco delivers increased detection accuracy and opens new possibilities for automated, data-driven ecological monitoring.

AI-Powered Species Recognition – The Next Frontier

At the core of Bioseco's innovation roadmap is the development of real-time species recognition, powered by advanced deep learning models trained on diverse, multi-regional datasets.

This next phase of development aims to deliver:

- Accurate species-level classification in real operating conditions
- Smarter risk assessment based on species-specific behavior
- Further reduction of unnecessary turbine curtailments

This breakthrough will enable a new generation of adaptive, biodiversity-aware wind farms, where environmental protection and energy efficiency are seamlessly aligned.

Proven Performance, Now at Global Scale

Bioseco's Bird Protection System is already delivering measurable results in operational wind farms worldwide, offering:

- Real-time bird detection at distances of up to 800 meters
- Machine learning-based trajectory prediction
- Intelligent activation of deterrents and turbine curtailment
- Low false-positive rates with optimized energy yield

With a growing global footprint and continuous technological advancement, Bioseco is setting new standards for intelligent wildlife protection in the renewable energy sector.

Meet Bioseco at WindEurope 2026

Bioseco invites industry partners, operators, and stakeholders to discover its latest innovations at WindEurope 2026 in Madrid, and explore how intelligent bird protection technologies can support the future of sustainable energy.