



The 3D detection solution via stereoscopy for optimal bird protection in wind

Solutions & expertise

High- performance solution :

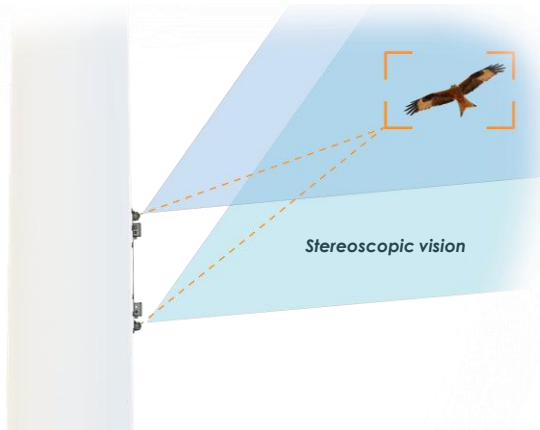
- **Optimal** decision-making **accuracy**
- **Detection** unlimited **multi- target** of species
- **Limit downtime** to maximize production
- Classification of species according to individual size

Ornithological expertise :

- A **team of ornithology experts** supporting your project from start to finish
- Video **data analysis**
- Support for **drone tests & biomonitoring**
- Collision **reporting**

Technical expertise:

- **System Data** Analysis (SDA)
- **SCADA Data** Analysis
- Technical optimization **recommendations**



Performance and safety

Mastering performance :

- Monitoring of **false positives**
- **Availability rate** monitoring (>95%)
- Monitoring of **collision reduction**
- Client **web interface**
(data/videos/reports)

Maintain availability :

- **Supervision** of system operation & turbine interactions
- **Automatic alerts** in case of anomaly (hardware/software)
- **Anticipation** of hardware failures

Cybersecurity :

- Data storage with **guaranteed accessibility**
- **Enhanced security** (firewall, VPN)
- **Continuous support** from a dedicated team

A tailor -made service

- **Specific configuration** to meet customer needs and regulations
- A **scalable solution** to meet each of your challenges
- **Custom installation** based on regulatory issues

Weak maintenance cost

- **Robustness and Durability** : Low replacement rate of wear parts
- **Remote maintenance**
- **Turnkey offer** including wear parts (Preventive & corrective maintenance)

Customer Service

- **Personalized support** according to the **needs** of the park (ornithological and regulatory techniques)
- **Hotline**
- **Dedicated contacts**



Technical Specifications and Equipment

Material :

- 4 modules of 2 to 4 cameras
- 1 central processing unit
- 1 junction box , with recorder

Options

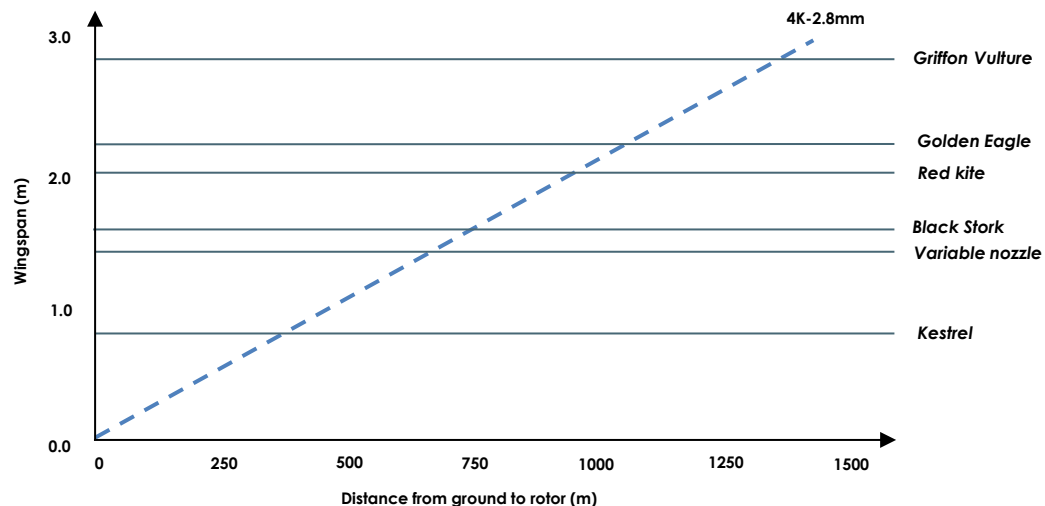
Registration continuous / Agricultural detection / Visibility meter / 4G & Satellite network

Technical characteristics :

- **Magnetic attachment** and strapping in steel stainless steel .
- Industrial equipment to **CE standards**
- **IP66**
- Speaker until **120dB**
- Temperature resistance extreme from **-30°C to 47°C**



Detection distances



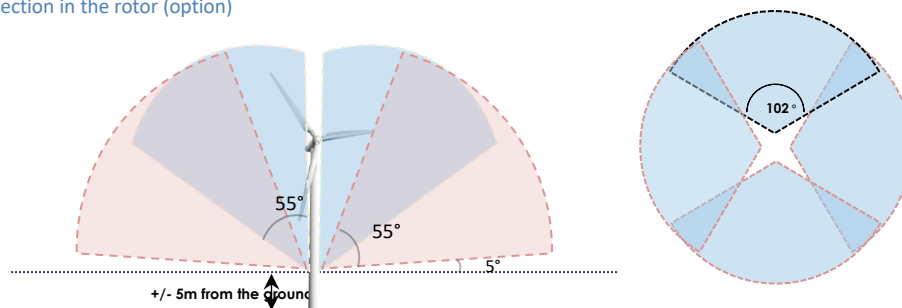
Protective measures

- **Curtailment & deterrence**
- **Ornithological approach:** Optimization of settings based on the bird species present on the wind farm
- **Bird targeting:** Detection and accuracy based on species size
- Compatibility with all types of SCADA

Detection

Peripheral detection
Detection in the rotor (option)

Coverage H 240° x V 360°



Cluster and specific configuration on request*

Installation & support

- **GWO-certified** installers
- **Compatible with all turbine** manufacturers (Vestas, Nordex, Siemens, etc.)
- Post-installation follow-up with **immediate and precise installation checks**
- **Training** provided for service providers