



# BirdLaser



## Birdlaser

1000 mW@1meter

All lasers equipped with upcoming AI and Track & Trace function will increase the efficiency. This function will follow the birds in the area until they are gone and also avoid people, ships and and vehicles .

All our units is specially treated for to avoid galvanic corrosion on housing and elctrical connections, internal moisture issues is also taken care of.

# Laser Range



Birdlaser Portable is a 1000 mW laser with 2500 meter range and is very useful for bird dispersal in small and big areas. It is very useful for farmers with goose, crow, heron, cormorant, starling and eider duck problems.




Birdlaser Standard is a 800 and 1000 mW laser ment for agriculture, indoor, building complexes and general industry and is also very effective for repelling Eider ducks from mussle farms.

Weight 12 kg.




Made in stainless steel 316L, the Birdlaser Marine has long range and can withstand harsh environments. The PTZ is of high quality made in Italy, this will also be ATEX certified. Both windows is equipped with wipers.

Weight 28 kg.




Birdlaser LRAD (Long Range Audio Device) have a speaker mounted. The speaker range is 73dB @ 1000 meter, this will keep even stubborn seagulls away. Pan and tilt speed can be adjusted for optimal conditions and laser can be switched on and off from user interface.

Weight 45 kg.



All Lasers can be supplied with WiFi so only a power cable is needed.



Birdlaser Off-Grid makes it possible to use laser in remote areas as mussel farming without grid connection.

A 1 kW wind power unit will keep the laser running for around 10 days without wind (based on 12 hour pr. day running time).

Earth ancors and guy wires secures the wind power from powerful winds.



Birdlaser Gyro and Gyro LRAD



Radar controlled LRAD for bird dispersal at wind farms. The system consists of a fully automatic system with radar, LRAD and control system.



All units is supplied with WiFi router.

This gives 4 options :

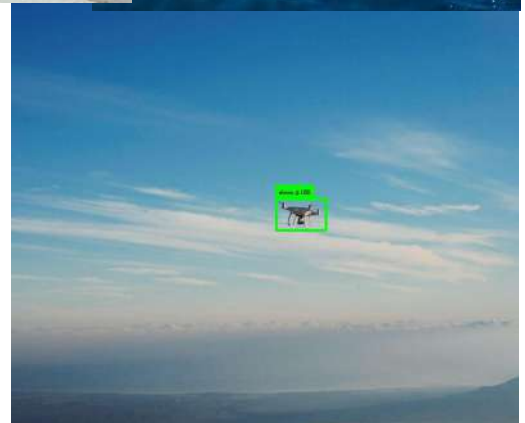
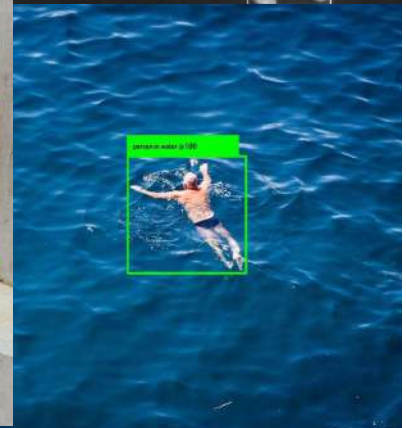
1. WiFi connection
2. 4G connection
3. Cabled connection
4. Wired directly from network

## Artificial Intelligence

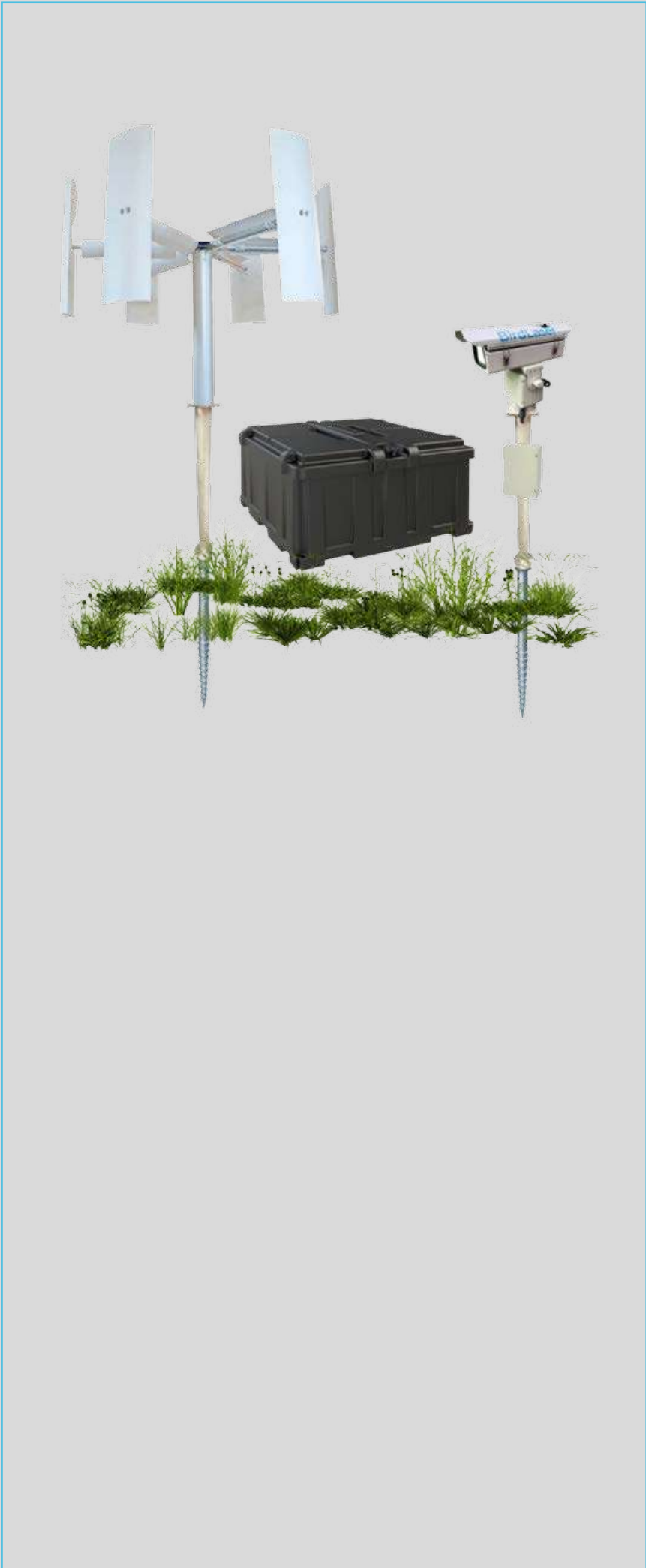
### Created with Synthetic Data for Computer Vision

Track & Trace lasers with Artificial Intelligence is now available without investing in expensive programming and development. Our solution is a collection of AI modules with different types of detection like:

1. Bird detection with people, boat and vehicle avoidance
2. People in water
3. Vessels inside forbidden boundary
4. People detection
5. Humans in fallen and accident positions
6. Various cars and trucks detection
7. Animal detection
8. Smoke and fire detection
9. Drone detection







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