

Autoline SeaBird Saver™

Reduce seabird by-catch and increase your catch of fish with new laser technology!

A revolutionary solution to your bird problems at sea. Easy to operate in all types of fisheries, like longlining, trawling and purse seining, patented for the commercial fishing fleet.

Despite efforts to reduce seabird mortality, thousands of seabirds die every year as a result of bycatch fatalities in fisheries. Every form of fishing provides

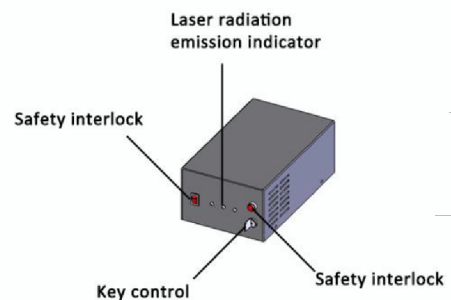


fishermen with different challenges to minimize bait loss and seabird by-catch.

Together with the Dutch company SaveWave, we have developed the SeaBird Saver with new laser technology to keep seabirds at distance from fishing activities.

Longline Fisheries

Bait loss caused by seabirds is a big financial problem in longline fisheries. These fisheries are also a source for albatross bycatch and take place in some of the roughest seas in the world. Therefore, SaveWave and Mustad Autoline recommend longliners to use the fixed SeaBird Saver system in their standard operations. This set up minimizes human effort to oper-



ate the system, creating a safer workspace, and has proven more effective than traditional measures like tori or streamer lines. Though it can perfectly be combined with these methods.

A sophisticated and high-tech scarecrow

The SeaBird Saver is a vessel based device that emits a visual stimulus that deters the birds from the baited lines. The birds feel threatened by the physical presence of the laser beam and their natural response is to avoid contact and move away.

The SeaBird Saver consists of a laser source system and is designed to be mounted on a rail or on the bulkhead in the area of the setting hatch on board. The equipment is protected against extreme cold and frost by an internal heating system.

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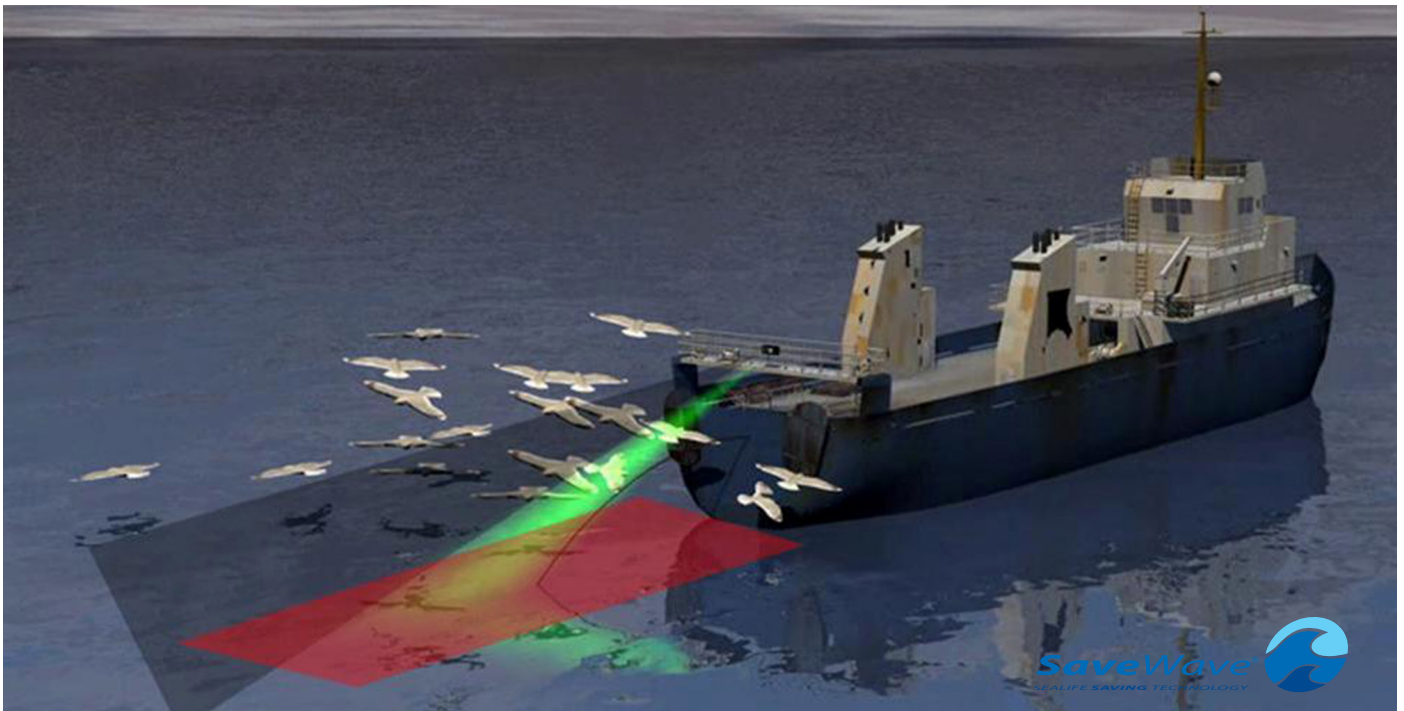
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Mustad AUTOLINE

PRODUCT SHEET

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Benefits working with SeaBird Saver

- Easy to clear large areas of birds in seconds
- Easy to use, minimal training required
- Proven to be effective against numerous species of seabirds
- Not affected by wind, ice floes or current
- No damage of the line or birds due to entanglement to tori lines
- No limitation of the boat manoeuvrability
- Minimal maintenance

SeaBird Saver laser technology

The laser technology used in the SeaBird Saver is innovative and cutting edge. The emitted laser beam is widened for optimal visibility and to minimize damage being done in the unlikely event of long term bird eye exposure. The laser beam has been calibrated in the correct wavelength for bird eye sightability in combination with optimal strength to be effective on water. The moving laser beam and the associated "dot" and scattering effect when it hits the waves is the powerful driving force in this deterrent. Not the blinding effect associated with normal laser pointers. The specifically designed combination of high power output (class 4) and innovative lenses make this product effective on water.

The SeaBird Saver laser is especially effective in bait setting during dawn, dusk, rainy or foggy conditions. The system is developed to withstand the harshest working conditions at sea.

The SeaBird Saver is sponsored by the highly respected European Eurostars project.

Technical data

All requirements from CE and FDA are fulfilled

Laser unit

Weight: 4.5kg / Dimensions (l x w x h): 40 x 15 x 13cm

Colour/ wave length: green/ 532nm

Power: 1.4 W/ Class 4

Power supply box (IP69)

Weight: 6.5kg / Dimensions (l x w x h): 33 x 23 x 16cm

Voltage: 110Vac - 230Vac

Cable / plug CEE 7/4: 20m to onboard power

Cable: 2 x 2,5m to laser source and heating

Cable: 1m to emergency stop

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