MACHINE VISION FOR SAFETY AT SEA

# SEA.AI

NOW YOU SEE.

## ADVANCED SITUATIONAL AWARENESS

SEA.AI alerts crews early and reliably about floating hazards including those that escape conventional systems such as Radar or AIS.

The system's artificial intelligence uses Machine Vision and deep learning technology, drawing on an ever-growing proprietary database of millions of marine objects.

| SEA.AI vs. conventional assistance systems | SEA.AI | AIS | RADAR |
|---|---|---|---|
| Detecting persons in water / floating objects | ✓ | – | – |
| Detecting and recognizing small boats | ✓ | – | – |
| Recognizing ships / large boats | ✓ | ✓ | – |
| Detecting ships / large boats | ✓ | ✓ | ✓ |
| Detecting squalls / weather fronts | – | – | ✓ |
| Detecting land structures | – | – | ✓ |

## SEA.AI OFFSHORE & COMPETITION

SEA.AI Competition

SEA.AI Offshore

### DETECTION RANGES*

| | | | | |
|---|---|---|---|---|
| Offshore ONE | up to 100 m | up to 250 m | up to 1,000 m | horizon |
| Offshore 320 | up to 100 m | up to 450 m | up to 1,300 m | horizon |
| Offshore 640 | up to 150 m | up to 750 m | up to 2,000 m | horizon |
| Competition 320 | up to 100 m | up to 450 m | up to 1,300 m | horizon |
| Competition 640 | up to 150 m | up to 750 m | up to 2,000 m | horizon |

* ranges may vary, depending on weather conditions

## FUNCTIONALITIES

- ✓ Smart object detection
- ✓ From 50° to 110° Field of View
- ✓ Detection of persons overboard
- ✓ System alarms based on threat-level
- ✓ Information on detected objects: classification, range and bearing
- ✓ 3 view modes. Augmented reality day view. Thermal view. Map view

NOW YOU SEE.

BOOST SITUATIONAL AWARENESS WITH INTELLIGENT ALARMS

SEE BETTER THAN THE HUMAN EYE, DAY AND NIGHT

MAKE BETTER-INFORMED DECISIONS BASED ON COMPLETE UNDERSTANDING OF THE VESSEL'S SURROUNDINGS