



**OCEANEYE®**



**MOORED  
BALLOON SYSTEM [MBS]**

COST EFFICIENT AND RISK-REDUCING MARITIME DATA ACQUISITION



**MARITIME  
ROBOTICS**



# TARGET AND TRACK IN REAL TIME WITH **OCEANEYE**®



OceanEye® provides 24/7 maritime aerial surveillance from fixed locations such as harbour areas and camps or moving vehicles.

More adaptable in inclement weather than fixed-wing aircraft, helicopters, drones or satellite sensing systems. OceanEye® downsizes crew and vessel requirements drastically, decreasing response operation costs.

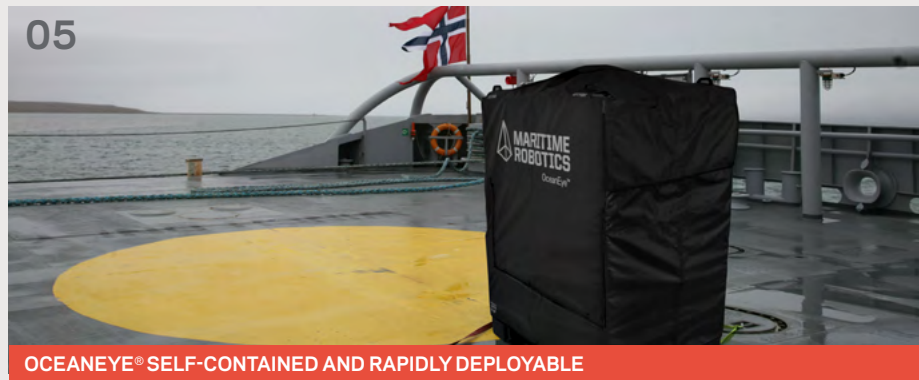
Moored with a tether from the deployable BaseUnit, a weather-proof, helium-filled balloon carries a triple-SensorUnit capable of producing high resolution day and night (EO/IR) imagery and geo-location with the embedded AIS (Automatic Identification System) receiver.



The SensorUnit images and video are transmitted wirelessly to the BaseUnit. With customized OverView software, a touch-screen terminal displays daylight and infrared information for reconnaissance and rapid response.

The real-time view and maritime chart with AIS overlay provide accurate information, targeting and geographic location of moving vessels, land lines and fixed installations.

The OceanEye® is an entirely self-contained package capable of days of continuous operation.

# OceanEye® components



-  **Weight:** 425 kg / 936 lbs (with all system components packed)
-  **Length x Wide x Height:** 1.20 x 0.80 x 1.59 m / 47.3 x 31.5 x 62.6 inches

# OceanEye® features



- 01 Helium-filled OceanEye® balloon carries the airborne SensorUnit for persistent aerial surveillance
- 02 BaseUnit serves as a docking station, winch control panel, helium-filling and storage unit
- 03 Triple SensorUnit (EO/IR/AIS). Real-time day & night video and imagery. Elevated AIS receiver for increased ship detection range
- 04 Viewer terminal with touch based OverView software. Controls sensor unit and displays sensor data and position of video-view cross-hair
- 05 Compact for air freight & small vehicle transport. Completely self-contained and rapidly deployable with footprint as standard ISO pallet
- 06 AIS receiver data visualized in the OverView chart module
- 07 IR-camera enables day & night real-time footage
- 08 OceanEye® sees beyond the human eye



## A LEADER IN UNMANNED SOLUTIONS

Maritime Robotics, developer and supplier of the PenguinMR, is a leading provider of innovative unmanned solutions for maritime operations and data acquisition. The company develops and delivers Unmanned Surface Vehicle solutions (USV), the OceanEye® moored balloon surveillance system as well as Unmanned Aircraft Systems (UAS). Main markets are the oil & gas and military/governmental applications. With technology developed in close collaboration with civilian, governmental and military partners, Maritime Robotics focuses on delivering high-quality system solutions and products that are cost-efficient, reduce HSE risk exposure and are highly deployable, in any conditions.

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OceanEye® is developed and endorsed in close cooperation with the Norwegian Clean Seas Association for Operating Companies (NOFO). Two OceanEye® systems are now on-call through NOFO oil spill emergency response serving more than 30 operating companies on the Norwegian Continental Shelf.