

An aerial photograph showing a large, red, teardrop-shaped blimp floating in the sky. The blimp is connected to a boat on the ocean surface by several white ropes. The boat is a small, blue vessel with a circular net or barrier around it. The background consists of a blue sky with scattered white clouds and a vast expanse of dark blue water.

OCEANEYE®

**OIL SPILL
AERIAL SURVEILLANCE
SYSTEM**



TARGET AND TRACK OIL SPILLS IN REAL TIME WITH **OCEANEYE®**

OceanEye® provides 24/7 maritime aerial surveillance to locate, monitor and respond to oil spills reducing health, safety and environmental (HSE) risk.

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.

Tethered to an oil spill response vessel (OSRV), a weather-proof, helium-filled balloon carries a triple-sensor unit capable of producing high resolution day and night (EO/IR) imagery and geo-location coordinates with embedded AIS (Automatic Identification System) receiver.

The balloon's sensor unit locates the oil spill and transmits data wirelessly to the base unit. With customized OverView software, the hand-held, touch-screen terminal displays daylight and infrared information for rapid response and recovery reconnaissance.

The real-time view and maritime chart with AIS overlay provide accurate targeting of spills, augmenting essential communication among responders.

The OceanEye® is a totally self-contained package including every component for days of continuous operation.

OceanEye® components

01



OceanEye® Balloon

02



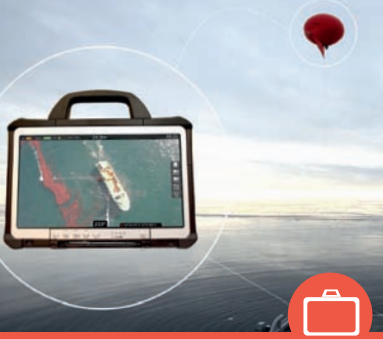
OceanEye® Base unit

03



OceanEye® Sensor unit

04



OceanEye® Viewer terminal

05



OceanEye® Self-contained and rapidly deployable



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

06



Operates in harsh environment

07



Infrared (IR) camera

08



Daylight (EO) camera

01 Helium-filled OceanEye® balloon carries the airborne sensor unit for persistent aerial surveillance

02 Base unit serves as a docking station, winch control panel, helium-filling and storage unit

03 Triple sensor unit (EO/IR/AIS). Real-time day & night video and imagery. Elevated AIS receiver for increased ship detection range

04 Rugged 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 Operates in poor and harsh weather conditions when aircraft cannot

07 IR-camera enables day & night real-time footage

08 OceanEye® sees beyond the human eye



A LEADER IN UNMANNED SOLUTIONS

Norwegian Maritime Robotics, inventor and supplier of the OceanEye®, 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.

Brattørkaia 11 - Pirterminalen
7010 Trondheim
Norway

Tel: (+47) 73 40 19 00
info@maritimerobotics.com
www.maritimerobotics.com



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.