## ADVANTAGES IN OUR SOLUTION

**REDUCED CONSUMPTION**
**Hull cleaning can reduce fuel consumption by up to 20%**

**REDUCED POLLUTION**
**Lessened enviromental inpact is a direct consequence of the reduced fuel consumption.**

**INCREASED PERFORMANCE**
**Hull cleaning rmaximize performance and sailing pleasure.**

**HULL INSPECTION**
**During cleaning cycle it is possible to monitor and check the consitions of the hull**

## ABOUT US

**KeelCrab** is the first of several technologies that the company has implemented and distribute with the view to reduce pollution caused by the chemical substances currently used on millions of vessels. The hallmark of **Aeffe s.r.l.** lives in its constant efforts to combine technology with an eco-sustainable approach, with the main aim of cutting vessel maintenance costs.

www.keelcrab.com


Aeffe S.r.l.,

Headquarter: Via Ferloni 28, Bulgarograsso (CO)

+39 031890525
+39 3488225593

info@keelcrab.com


KEELCRAB™

**UNDERWATER DRONE FOR HULL MAINTENANCE AND INSPECTION**

# UNDERWATER REMOTELY OPERATED

**KeelCrab** is an underwater robot made entirely in Italy in order to carry out automated cleaning and hull inspection activities. Designed mainly for cleaning the hull of sailing boats (of any size), yachts and maxi yachts, with a particularly pleasing result at the waterline and on the planing partsas an instrument to optimise hull maintenance. The robot is characterized by an exoskeleton in plastic material with neutral hydrostatic balance; The vacuum / aspiration force is generated by a central impeller or turbine (propeller), driven by an electric motor, which performs the dual function of keeping the robot attached to the hull and removing algae formed thereunder. The movement is driven by rubber brushes on tracks that allow movements in all directions.

To improve removal of vegetation efficiency brushes with nylon bristles have been, these can be of various length and diameter. The high-resolution underwater camera IP68 allows **KeelCrab** to be maneuvered by means of a wired remote control with display of streaming video on a 7-inch high-resolution screen. Its certified brushes certified not remove antifouling paints stretched on the hulls. Numerous tests with excellent results, have shown that the constant removal of the first layer of algae (3 mm) dramatically prolongs the efficiency of the anti-fouling agent; this means that barnacles cannot form in the medium term, also in boats stop in port waters from more than 8/10 months. The robot is also provided with a bag (optional on request) for the recovery of the waste material, algae or vegetation, resulting from cleaning operation.

Highly functional system wiring (on yachts and maxi yachts) and the connection with their on-board systems: **KeelCrab** optional unique.

## Remote Control Device with Display

7-INCH HIGH RESOLUTION SCREEN TO MANEUVER YOUR KEELCRAB

## Quick Cleaning

KEELCRAB CLEANS 2 m²/min PER MINUTE

## Brushes can be replaced quickly

BRUSHES WITH DIFFERENT ABRASIVE LEVELS TO ADAPT TO ALL KINDS OF CLEANING REQUIREMENTS

## IP68 Videocamera and Led

THE IP68 VIDEO CAMERA AND POWERFUL LED ALLOW KEELCRAB TO MONITOR THE HULL AND CHECK CONDITIONS

## Guarantee

24 MONTHS OR 500 HOURS OF USE

## TECHNICAL INFO

| WEIGHT | SPEED |
|---|---|
| 10 KG | 2 m²/min |

| LENGHT | WIDHT | HEIGHT |
|---|---|---|
| 42,5 CM | 42,5 CM | 32 CM |

**MORE INFORMATIONS**
**www.keelcrab.com**