seabots

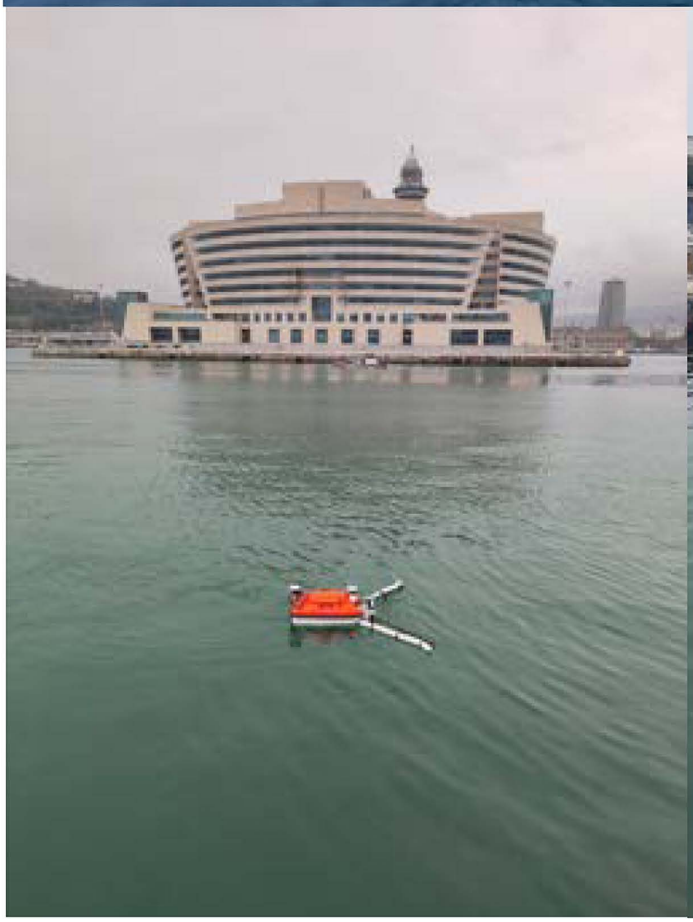
SB100 CLEANER

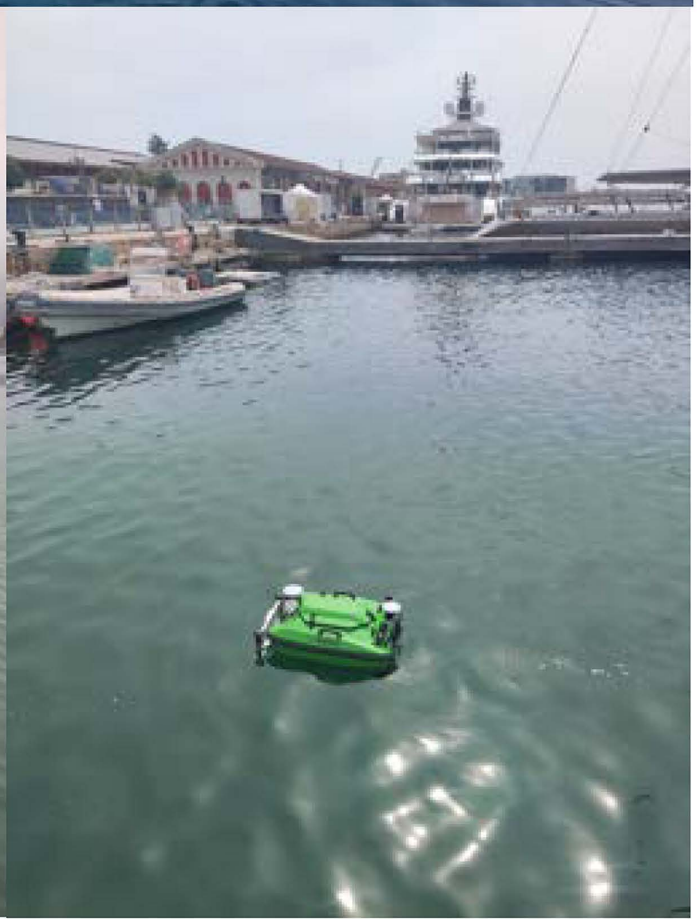
Water surface cleaning system

Capture of floating solids
and hydrocarbons

A company of GPAINNOVA

seabots





SB100 CLEANER

The **SB100 CLEANER** is the automated solution for water surface cleaning

Effective autonomous tool

SB100 CLEANER is a compact Unmanned Surface Vehicle for water surface cleaning.

It can remove floating waste and hydrocarbons from:

Marinas
Harbours
Lakes
Reservoirs
Industrial ponds
Artificial lagoons

Turn-key solution

Designed and manufactured under "**ready-to-nav**" concept, SB100 CLEANER has everything necessary to launch and work.

Advantages vs. conventional cleaning systems

- FAST AND EASY DEPLOYMENT
  It can be transported in the trunk of the car or a small van.
  Easy to deploy and recover from the water.
- COST REDUCTION
  Reduction of operating costs. One-man operated.
  Reduction of maintenance costs. Electric propulsion and heavy duty components.
- NO HUMAN RISK
  Unmanned. Fully operated from the ground.
  Access to confined spaces, shallow waters or hazardous areas.
- AUTOMATION
  Semi-autonomous system. It can be used manually or with autopilot.
  Real-time data from the ground.
- FRIENDLY
  Easy to use. A very fast learning curve with our 1-day training plan.
  Respectful of the environment. Fully electric, no fluids, non toxic materials.

- Tasks automation
- Easy to use

- Access to confined spaces
- Navigation on shallow waters

- High capacity
- Easy to extract and replace

SB100CLEANER

Platform

Floating unit

Positioning
GNSS

Long range telemetry
Dual channel system

Collision avoidance
LIDAR technology

FPV camera
IR Full-HD

Propulsion
Dual thrusters

Batteries
Fast replacement system

Heavy duty hull
Unsinkable composites

Cleaning bay
Solids and hydrocarbons

Controller

Ground control

Long Range
Enhanced dual system

Manual or autopilot
Easy to use and program

Touch-screen
High brightness

FPV camera view
Low latency Full-HD

Dedicated Software
Programmable autopilot with routes and areas

Physical Buttons
Customizable functions

Technical specifications

Size and weight

Measurements	103 cm x 75 cm x 55 cm
Weight (no batteries)	25 Kg
Draft	15 cm
Material	Fiberglass composite

Performance

Work speed	1 m/s
Range	1,5 Km
Endurance	up to 3 h @ 1m/s (Fast battery change < 30 sec)

Positioning

System	GNSS
Multiconstellation	Yes
Heading	Magnetic compass

Power system

Battery type	LiFePo4 > 2000 cycles
Capacity	30Ah @ 12V
Charger included	15 Ah

USV control system

Controller	5,5' touchscreen
Software	QGC based
Control modes	manual, auto (waypoints) auto (survey), DP1

Environment

Operating temperature	0º C to 30º C
Storage temperature	0º C to 40º C
Protection Index	IP 65

Cleaning system

Net Capacity	30 liters
Software	QGC based
Control modes	manual, auto (waypoints) auto (survey), DP1

Company

Aquatic tasks, easier, safer and cost-effective, the vision of SEABOTS

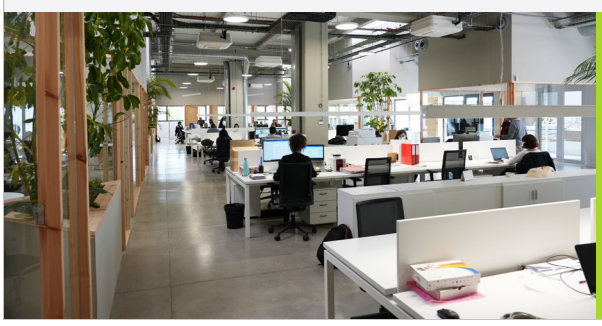
A **GPA**INNOVA company, focused in the design and developement of **BLUE FLOATING TECHNOLOGY** for exploration and preservation of aquatic environments.

Located in the heart of BARCELONA, with more than 6,000 sqm of new facilities, **GPA** GROUP develops its activity around design and manufacturing of industrial machinery, robotics, electronics, medical devices and chemicals.

GPAINNOVA has been the fastest growing Spanish industrial goods company in the last 3 years, according to the Financial Times,

Design, development, manufacturing and customer services

A multidisciplinary team to face all kinds of technological challenges



Great facilities at the heart of Barcelona, near the sea

www.gpaseabots.com

stay tuned
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seabots
A company of GPAINNOVA

+34 931 256 536
info@gpaseabots.com
C/ Maracaibo 1-3 08030 Barcelona