

SB100PR0



Blue Floating Technology

for exploration and preservation of the aquatic environment

A company of **GP**AINNOVA



The **SB100 PRO** is the most versatile USV for your surveys in sheltered waters

Versatile tool

SB100 PRO is a compact multipurpouse Unmanned Surface Vehicle.

It can host all types of payloads, in order to meet needs related to:

- # Hydrography
- # Water Analysis
- # Engineering Inspection
- # Scientific Research
- # Search & Rescue
- # Water Surface Cleaning.





All-in-one solution

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



Advantages vs. conventional vessels

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, or even from the office if 4G/LTE connection is available.

FRIFNDIY

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
- · Real-time data from the ground





- Easy to transport and deploy
- One-man operated

Access to confined spaces and high-risk areas



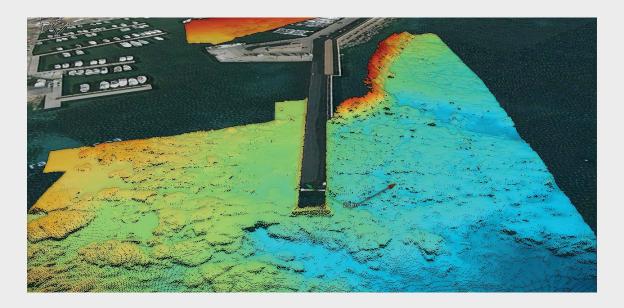








HydrographyApplications





Available

Payload

- # Single Beam Echosounder
- # Multi Beam Echosounder
- #SVS/SVP
- # ADCP
- # Sub-bottom profiler

Specific

Applications

- # Engineering projects # Maritime works
- # Oil & gas # Dredges
- # Environmental studies



Water quality Applications





Available

Payload

- # Multiparametric sounder # Water sample dock

Specific

Applications

- # Aquaculture
- # Mining
- # Environmental law compliance
- # Scientific research



SAR & inspectionApplications





Available

Payload

- # Sidescan sonar
- # Thermal camera
- # Underwater camera
- # LIDAR
- # Thickness probe

Specific

Applications

- # Missing at sea search
- # Archeology
- # Mooring and sealines inspection
- # Search for invasive or endangered species



Technical specifications

Size and weight

Measurements	103 cm x 75 cm x 55 cm
Weight (no batteries)	31 Kg
Draft	15 cm
Material	Fiberglass composite

Performance

Maximum load	15 Kg
Work speed	1 m/s
Range	1,5 Km native or unlimited 4G/LTE
Endurance	up to 3 h @ 1m/s (thrusters) Up to 10 h (systems) (Fast battery change < 30 sec)

Positioning

System	GNSS RTK
Multiconstellation	Yes
Multiband	Yes
RTK corrections	Integrated Base or NTRIP

Power system

Batteries	1 x Systems & 1 x Thrusters
Battery type	LiFePo4 > 2000 cycles
Capacity	30Ah @ 12V (each)
Charger included	15 Ah

USV control system

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

Payload data link

Comm type	Remote link to USV blackbox
Comm channel	Integrated Wifi or 4G/LTE
Station interface	Microsoft Surface Pro
OS	Windows 10

Blackbox

CPU	Intel i7, 16Gb RAM
OS	Windows 10 Pro
Data (in/out)	USB, Ethernet, RS232,RS422
Payload power supp	ly 5V, 12V, 24V

Environment

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

Company

Aquatic tasks, easier, safer and costeffective, 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,



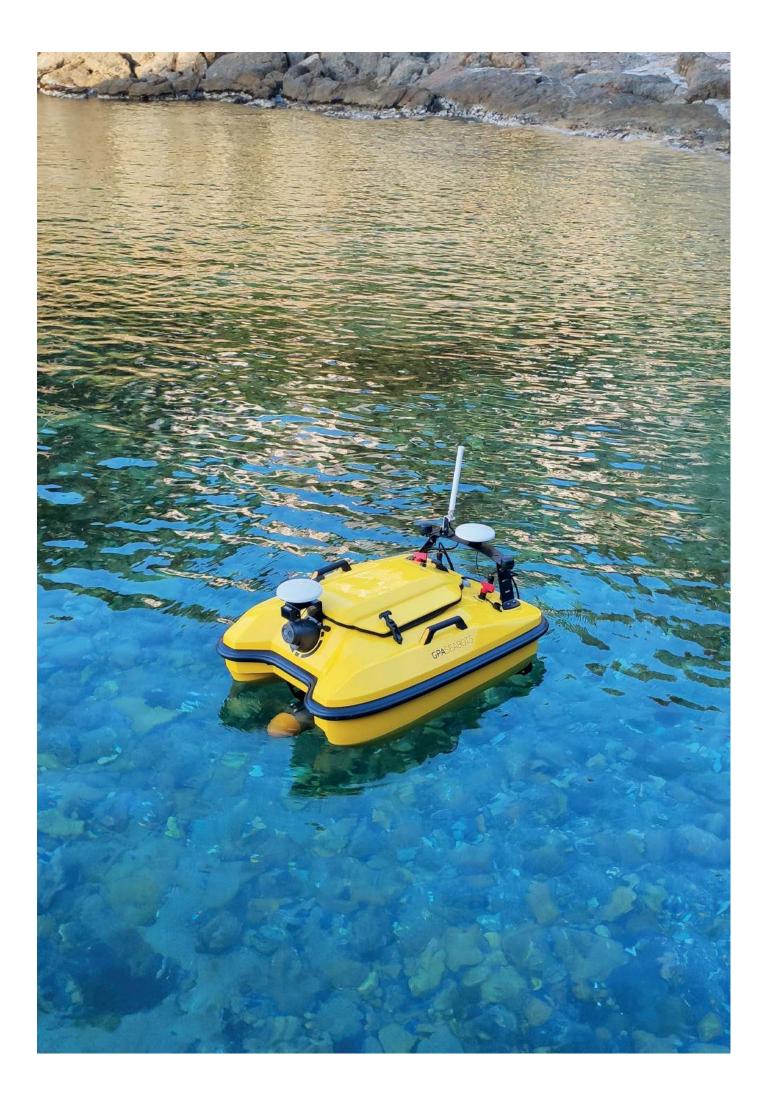
Design, development, manufacturing and customer services

A multidisciplinary team to face all kinds of technological challenges





Great facilities at the heart of Barcelona, near the sea



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