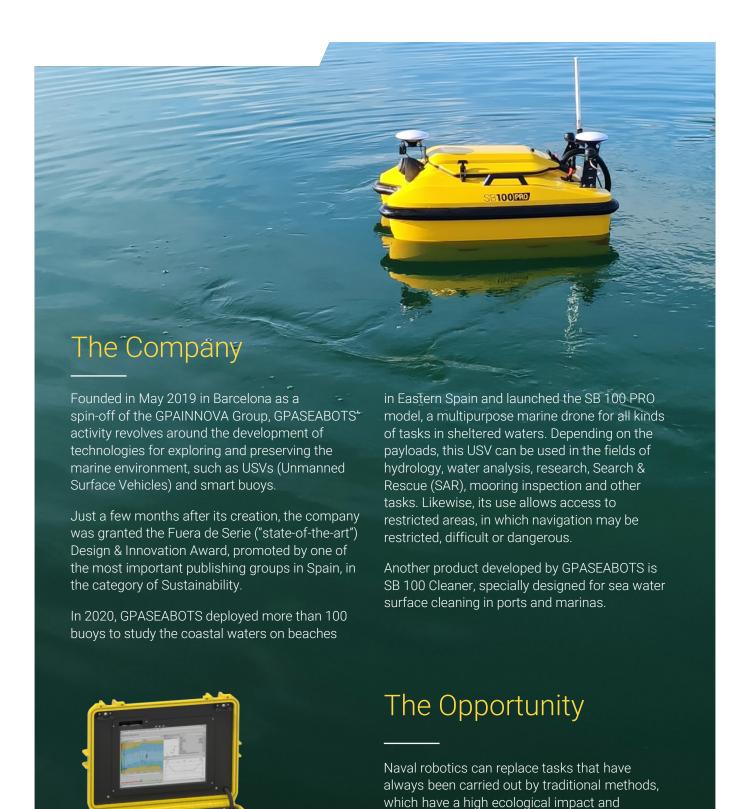
CASE STUDY MULTIBEAM ECHOSOUNDER integrated in SB 100 PRO USV for inspections & Bathymetry



Multibeam Echosounder WASSP S3R from FURUNO



expensive operating costs.

USVs are becoming widespread in several areas in the naval sector. In this real case study, we present a need that is shared by many ports: Mooring inspection in harbors and marinas.

CASE STUDY Using GPASEABOTS' SB 100 PRO USV

Payloads

GPASEABOTS' SB 100 PRO USV, the most versatile USV platform on the market for sheltered waters activities. It is an indispensable tool for a fast, efficient and precise work. Both the operating cost and its environmental footprint are extremely low, and it allows to expand the range of possibilities in the field of data acquisition.





The WASSP S3R Solution is a fully integrated kit which includes all the core components required for a Multibeam Survey operation, designed to ensure functionality, ease of use and cost effectiveness, all the while achieving accuracies required by international survey standards such as HOS-44 Standard 1a and Special Order.

INCLUDES: S3 including Processor DRX IP66, Transducer WBFT 90-190kHz, SBG Ellipse Dual RTK INS (Heading, position, pitch&roll, heave), Mini SVS Valeport, CDX, RPM & survey licenses.





Operation Examples:

1. Transport





2. Planify mission & deploy





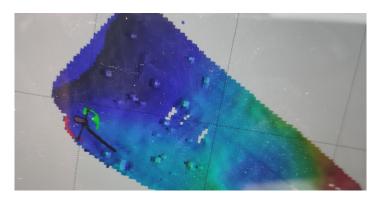
3. Adquisition time

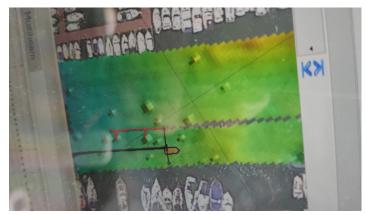




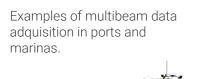
Data Acquisition Examples

The following images correspond to live data gathering, with the deployment of the USV SB 100 PRO + WASSP S3R from FURUNO.



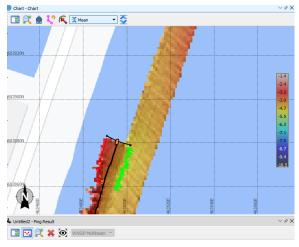






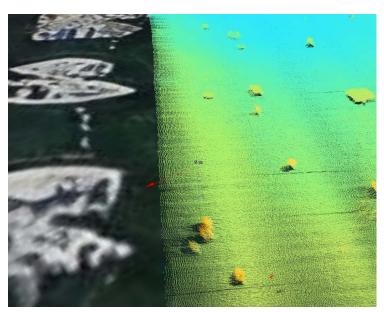


Compatible with most leading hydrographic software Compatible with most leading hydrographic software such as HYPACK, EIVA, QPS, CARIS, BEAMWORX, and others.



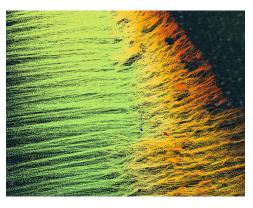
Specific application: control and monitoring of dock constructions, multibeam bathymetry, draught control, dredging, volume calculation, inspection of structures and location of submerged artefacts.

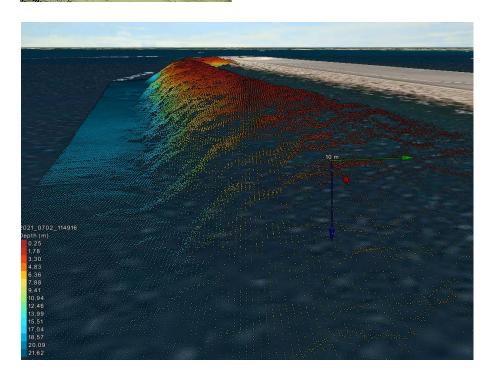
Data Adquired Examples

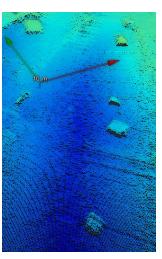


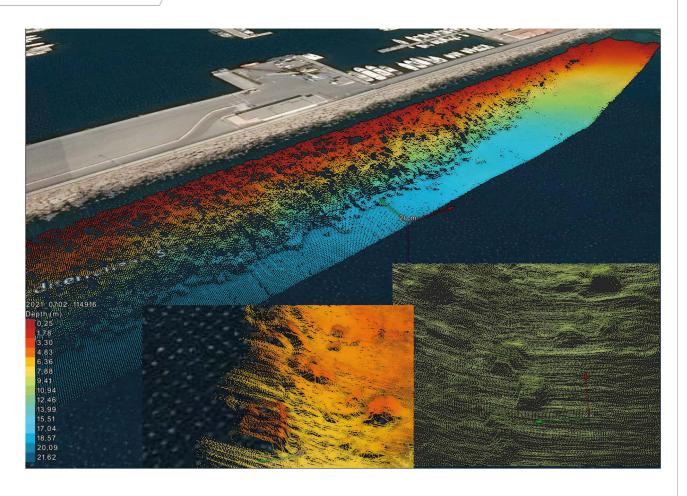


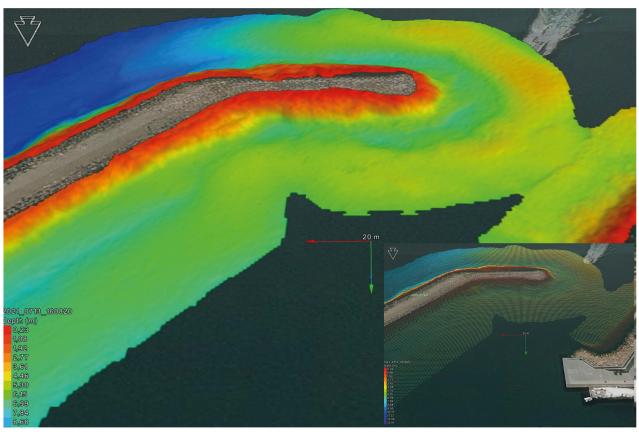


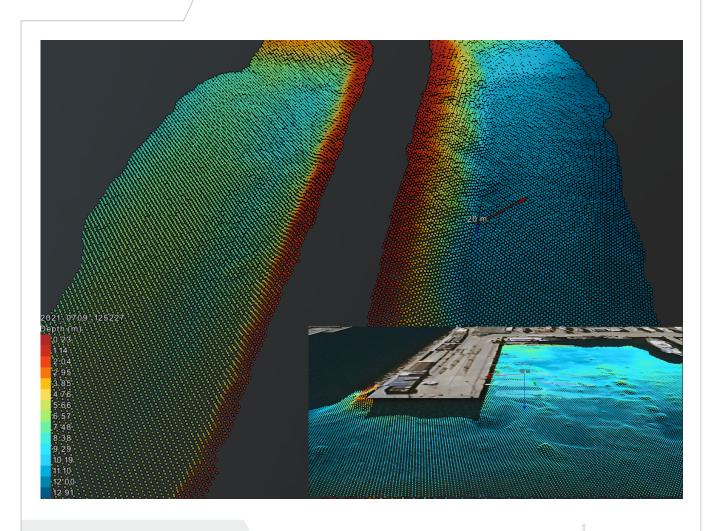
















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