



SONOBOT 5 USV - Search, Recovery & Surveillians

SONOBOT 5 USV

AUTONOMOUS SURFACE VEHICLE

Search and recovery

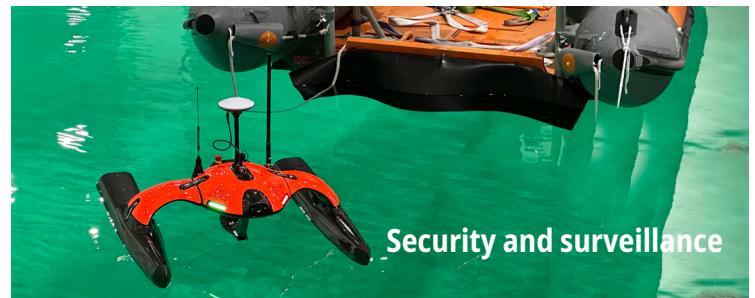
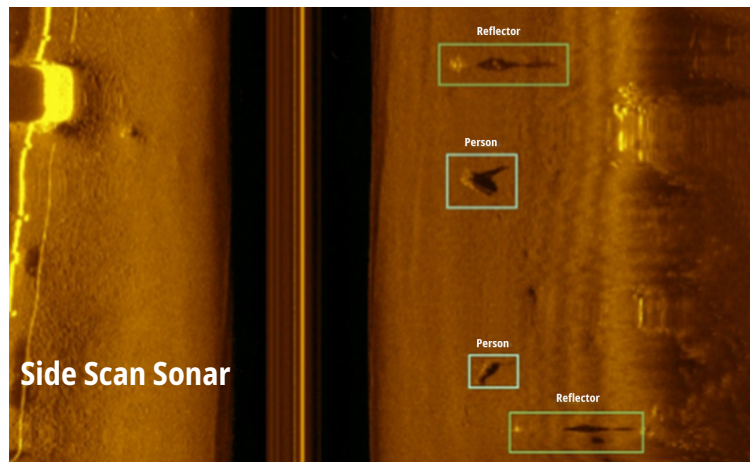
Locating objects, such as underwater obstacles, wrecks, missing persons etc.

Planning

Search missions can easily be programmed before operations or during a deployment



VEHICLE TYPE	Catamaran
DIMENSIONS	H: 805 mm 32" (construction) W: 920 mm 36" L: 1300 mm 51"
DRAFT	120 mm <5" (propeller over keel line) with weed guard
OPERATIONAL WEIGHT	27 kg 59 lbs
TRANSPORT	Complete system in one transport case Fold-out no-tools assembly.
IP RATING	IP 68 for all system components
SYSTEM COMPONENTS	Sonobot USV, field-PC with software, remote control, WLAN-station with tripod and antenna



Object Recognition

Connect Ai - Object recognition, to get information and exact location on the object that is visibly for the side scan.

Object recognition

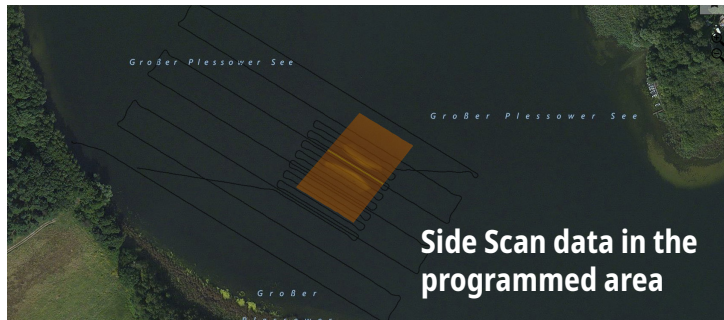
is an advanced new feature for Sonobot USV: the AI-based system is an extra module that runs directly onboard the vehicle and analyzes raw side-scan sonar or video camera output.

Objects of interest are detected and visually highlighted in the operator's control software onshore - all live during the mission.

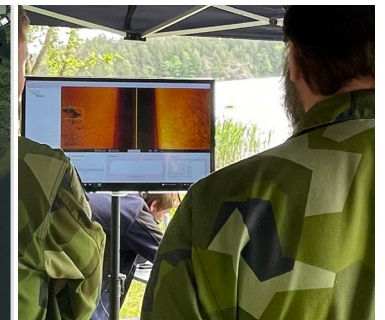
A cloud-based ecosystem around the new OR system provides users with regular up-dates and new detectable object classes. It also allows uploading user datasets for the system to be trained for new object



Real-time object recognition















Side Scan data in the programmed area



Objects of interest are detected and visually highlighted in the operator's control software onshore - all live during the mission.

Add your own objects - perform scans and send your data for AI training

- 
Missing persons
- 
Unexploded ordnance
- 
Fish shoals
- 
Fishing nets
- 
Anchors
- 
Antiques
- 
Corals
- 
Shipwrecks
- 
Plane wrecks
- 
Sunken vehicles
- 
Archeology
- 
Custom markers