

ROAZ II AUTONOMOUS SURFACE VEHICLE





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ROAZ II is an autonomous surface vehicle designed for aquatic environment monitoring, bathymetry, data collection and oceanography, security and search and rescue missions. With on-board sensor processing and high precision navigation it is capable of operating autonomously in the ocean environment. The robot has a wide range of sensors and advanced on-board controls allowing its use in efficient precision environmental modelling (oceanographic, 3D sea floor modelling), automated intrusion detection, target tracking, identification, area patrol, communications relay in multi-vehicle scenarios and surface support to underwater assets.

On-board ROV in coordinated missions makes it a suitable surface platform for underwater inspection and data collection tasks.

This vehicle has already taken part in various operational missions.

MAIN FEATURES

Autonomous operation GPS with RTK and INS for precise positioning RADAR for obstacle detection Infra-red and visible light cameras On-board image processing Wireless communication (data/video) CTD Multi-beam sonar and side-scan sonar LiFePO4 Batteries On-board inspection ROV (remotely operated Vehicle)

SPECIFICATIONS

Length: 4.25 m // Width: 2 m // Weight: 250 kg Maximum speed: 10 knots Autonomy: 11 hours Electric propulsion: 10 HP Load capacity: 500 kg







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