

DRIX SERIES

UNCREWED SURFACE VEHICLES



exail





**Autonomous, certified,
and sea-proven**

DriX USVs are engineered to cover every operational need through modular payloads and flexible deployment systems. From hydrography, oceanography, and scientific monitoring to AUV/ROV subsea positioning and UAV/ROTV deployment, DriX USVs deliver high-quality data, exceptional endurance, and mission efficiency.

PROVEN SCALABLE AUTONOMY

DriX USVs are proven assets designed for both remote control and supervised autonomy from visual range to over-the-horizon missions. DriX combines outstanding seakeeping, high transit speed, and operational reliability. Supported by a fully integrated end-to-end autonomous ecosystem, DriX enables smooth, safe, and scalable deployment across all maritime environments, from coastal surveys to deep-water missions.



DriX H-8
Medium range USV



DriX H-9
Long range USV



DriX O-16
Transoceanic range USV

Length	7.71 m	9 m	15.75 m
Displacement	1.6 t	2.1 t	14.5 t
Endurance*	< 10 days	< 20 days	< 30 days
Speed	< 14 kts	< 13 kts	< 16 kts
Fuel capacity	250 L	550 L	2,300 L (dual hybrid propulsion)
Range	1,000 NM	2,000 NM	3,500 NM
Communications	Wifi, 4G, Satellite communication, UHF radio	Wifi, 4G, Satellite communication, UHF radio	Wifi, 4G, Satellite communication, UHF radio
Towing / launch & recovery	ROTVs towing capabilities	ROTVs towing capabilities SSS and Mag	ROTVs, Inspection Class ROVs, 1,000 m rated AUVs
Station keeping	Hovering	Hovering	Dynamic Positioning
MBES capacity	Shallow and medium water	Shallow and medium water	Shallow and deepwater
Transportation	1x 40' High Cube container	1x 40' High Cube container	2x 40' High Cube container
Other	Launch & Recovery system		Customizable stern section for additional payload integration

* Endurance depends on speed, gondola size, towing capabilities

Learn more about
Exail DriX Series



INTELLIGENCE POWERING THE UNMANNED

DrIX USVs operate with CortiX, Exail's comprehensive hardware and software platform delivering robust, reliable, and supervised autonomy for unmanned surface vessels. CortiX provides end-to-end mission control, from planning to execution, including vehicle health monitoring, sensor configuration, onboard data acquisition and management, as well as secure communication infrastructure monitoring and traffic management.

CORTIX SOFTWARE FEATURES

AUTONOMOUS MODE

Vessel following, path following, autodocking, adaptative hydrographic survey, underwater asset tracking and communication relay.

INTUITIVE WEB HMI

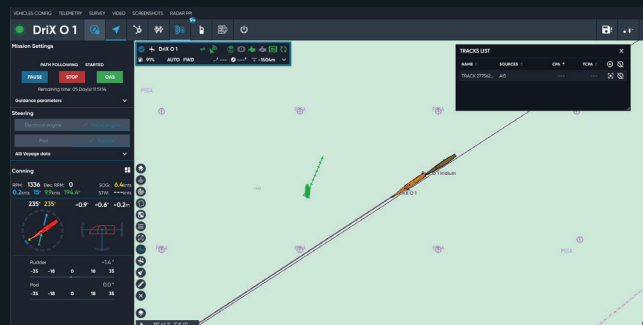
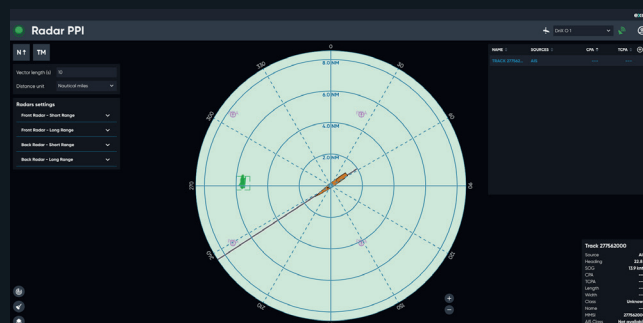
Friendly web-based interface for mission planning, real-time status, sensor setup, and alerts management.

OPEN ARCHITECTURE

APIs allow third-party integration and custom autonomy behaviors.

ADVANCED VIDEO STREAMING

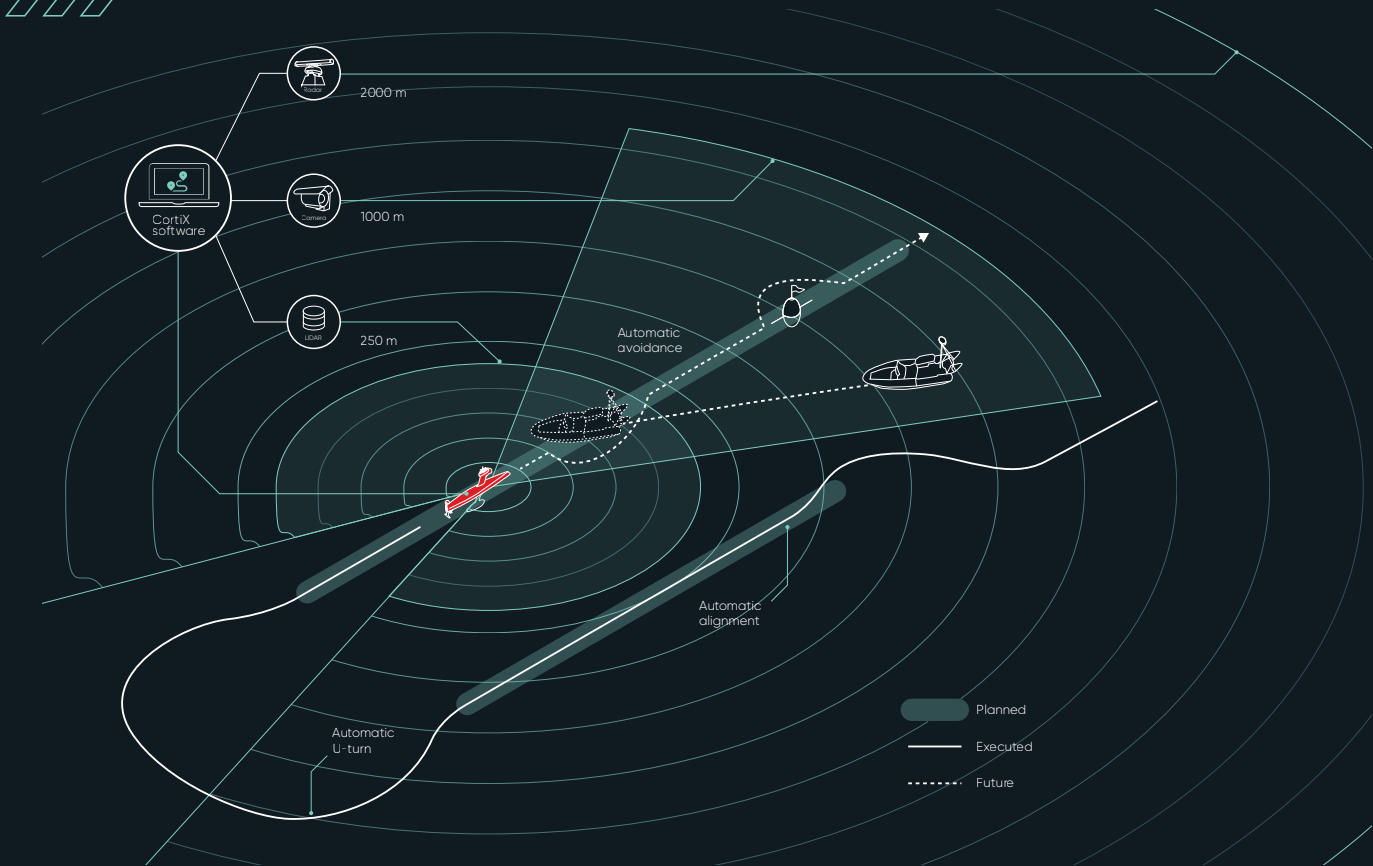
With adaptative bandwidth to optimize video quality.



DrIX web-based intuitive HMI enables efficient remote operations

Exail USVs benefit from an advanced Obstacle Avoidance System COLREG compliant and based on AI designed to ensure safe navigation in complex maritime environments. This system relies on a combination of advanced sensors (video and IR cameras, LiDAR, radar...) and sophisticated software algorithms, to detect and avoid obstacles in real time, allowing for safe operations in dynamic maritime environments.

ADVANCED OBSTACLE DETECTION



FLEXIBLE DEPLOYMENT CONCEPTS

DriX USVs can be deployed using various methods depending on the model and on the specific mission requirements, logistical considerations, and available resources. Their versatility in deployment allows for efficient and effective utilization in a wide range of maritime operations.

VESSEL-BASED DEPLOYMENT

(H-8 & H-9)

enabled via a dedicated Launch and Recovery System (LARS), compatible with davits, cranes, or A-frames. Automatic docking without human intervention improves safety and simplifies operations.

PORT-TO-PORT OPERATIONS

(H-8, H-9, O-16)

autonomous transit between ports and work areas, providing an efficient alternative when vessel support is not required.



SHORE-BASED DEPLOYMENT

(H-8, H-9, O-16)

performed directly from a port or dock using standard lifting equipment.

CUSTOMIZED LAUNCH AND RECOVERY SOLUTIONS

developed based on customer's specific requirements.



AT YOUR SIDE THROUGHOUT EVERY STAGE

Our support ensures seamless adoption and optimal performance through every stage of the system's lifecycle.

- In-field support
- Remote operations
- Training
- Maintenance
- Data service
- Remote assistance

WHY CHOOSE DRIX SERIES?

250K⁺

hours at sea

1M⁺

nm of autonomous
navigation

SS7⁺

proven at sea

25⁺

countries of operation

95[%]

carbon footprint
reduction*

* compared to a ship with the same capacity