

Geophysical & Hydrographic Survey Site & Route Survey / Inspection Construction & Installation Survey Pipeline & Cable Survey Seabed Exploration Geomagnetic Observation

# **XPLORER 1 MARINE SURVEY USV**

UNCREWED SURFACE VESSEL









XPLORER I

PLORER

Wind Farm Near Shore Off Shore

Sea State IV **ENVIRONMENT** 

≥ 500 KG PAYLOAD

≥ 500 NM **ENDURANCE** 

3° in SS3 **ROLL AMPLITUDE** 



## **XPLORER 1 TECHNICAL SPECIFICATIONS**

### PHYSICAL

Dimension Hull Material Displacement Draught Payload

8.38m(L)\*2.517m(W) Anti-corrosion Marine Aluminum Alloy 4.9t 0.65m 500kg

### PROPULSION

Propulsion Fuel **Engine Capacity Power Rating** 

Water Jet Diesel 916L 48kW@2700rpm

### PLATFORM

Features	Modular Design + Excellent Navigability
Security	Anti-impact and Anti-overturn
	Active Roll Reduction System
Stability	Roll Amplitude : ≤ 3 Degrees in SS3
Thermostat	Device Cabin Kept at 28°C ± 2°C

### PERFORMANCE

Survey Speed	5-8 kn
Max Speed	10 kn
Endurance	500nmile@6kn
Survival	Sea State IV
Operation	Sea State III

### PERFORMANCE

Control Mode	Manual + Remote Control +
	Autonomous
Range	Auto: ≥ 10KM RC: ≥ 800m
Base Station	3 × Indendent Display Screens
	(Real-time Video/ Navigation/ Survey

**TYPICAL PAYLOADS** 

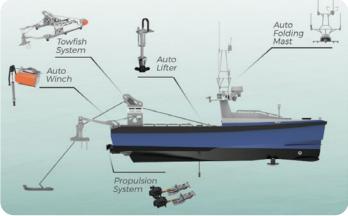
Visibility Meter

### **NAVIGATION AIDS & SAFETY**

- √ AUTO Collision Avoidance
- √ Multi-USV Cooperative Control
- ✓ Fault Self Inspection
- √ Auto Return During Communication Loss
- √ Route Deviation: ≤ 2m(RMS)in SS3

SRP

### **FEATURES**



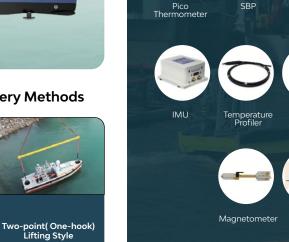
### **Multiple Automatic Launch & Recovery Methods**



Two-point(Two-hook) Lifting Style



Lifting Basket Style





ADCP

Meteorological Probe

SVP

GNSS



ROV