

GENERAL DYNAMICS

Mission Systems

ENVOY

Multi-Mission Remotely Piloted Aircraft System



Meeting Operational Needs With an Adaptable and Versatile Solution

Intelligence, Surveillance and Reconnaissance (ISR)

Logistics (Ground and Shipborne Cargo)

Shipborne Anti-Submarine Warfare (ASW)

Search and Rescue (SAR)

Max. Payload Capability 180 kg

Long Range

Long Endurance



Universal Control Station

- Software-defined open architecture
- Easily configurable
- Aircraft agnostic
- Multi-link
- High-resolution, geo-referenced mapping of areas of interest
- Processing, Exploitation, and Dissemination (PED)

ENVOY

CAPABILITIES

Logistics

- Ground cargo (rear operating base to front line)
- Shipborne cargo (ship-to-shore, shore-to-ship, ship-to-ship)
- Precision hoisting

Ground or Shipborne ISR

- Support a wide range of sensors and payloads, including EO/IR, AIS, EW, Radar, WAMI
- Pods with standard mechanical, electrical, and software interfaces

ASW

- Shipborne ASW, including sonobuoy deployment and on-board acoustic processing
- Sonobuoy transport and precision launch

Search and Rescue and Surveillance

- Specific mission sensors configuration
- Deploy Survival Kits (SKAD) to persons in water and long-endurance monitoring of persons or vessels in distress
- Pollution detection, including IR/UV line scanning, VIS line scanning, SLAR, and multi/hyper spectral sensors

Safety

- Automated take-off and landing
- Auto-rotation (emergency descent)
- Ship take-off and landing
- Dual BVLOS datalinks
- Detect and avoid

APPLICATIONS

Coast Guard

- Offshore patrol
- Aid to navigation
- Ice breaking
- Search and Rescue (SAR)
- Environmental response
- Oil slick identification

Navy

Maritime Surveillance

- Engage fast boats to capture both the people and their cargo

Anti-Submarine Warfare

- Deploying sonobuoys
- Monitoring the signals from the sonobuoys

Logistics

- Ship-to-ship
- Ship-to-shore
- Shore-to-ship

Army

- ISR and battle damage assessment
- Targeting and fire adjustment
- Logistic operations



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