D-FEND SOLUTIONS

Maritime Security & Safety Overview

Pictures are illustrative only

THE MARITIME COUNTER-DRONE CHALLENGE

Naval and commercial vessels, ports, and offshore assets face growing risks from unauthorized drones used for surveillance, disruption, smuggling, and attacks. Countering these threats is especially challenging in maritime environments, where dense RF activity, critical communications and navigation systems, nearby infrastructure, and stringent operational safety requirements can constrain conventional counter-drone approaches.

Key challenges include:

- Detecting, identifying, and safely mitigating unauthorized drones across complex ports, congested littoral environments, and open waters
- Deploying flexible, scalable counter-drone capabilities across vessels of varying sizes, exposed topside installations, ports, and coastal sites
- Maintaining reliable performance in demanding maritime conditions while minimizing disruption to authorized communications, navigation, and ongoing operations
- Ensuring systems meet applicable environmental, operational, and certification requirements for maritime deployment

SMOOTH SAILING WITH D-FEND SOLUTIONS

Maritime operations, particularly in littoral spaces, require a trusted and proven counter-drone solution to protect naval and merchant vessels; their valuable cargo, crew and passengers; ports and harbors; and critical navigation routes.

EnforceAir2 Maritime (EnforceAir) from D-Fend Solutions automatically and passively detects, locates, and identifies rogue drones, including the pilot's location. It then neutralizes the threat by allowing security teams to take full control over the drone and land it safely in a predefined zone on the shoreline, vessel, or on the water. The system employs non-jamming, non-kinetic technology, preventing any collateral damage, interference or disturbance, while maintaining critical safety and operational capability requirements.

EnforceAir integrates smoothly as an important component of a naval layered air defense system. EnforceAir's maritime configuration is at Technology-Readiness Level 9 (TRL9), which means it is proven via successful mission operations.

The system operates reliably on shore in demanding coastal conditions. It can also be fitted to the smallest naval and merchant vessels, and it is scalable for larger platforms, or those with complicated upper-deck superstructures.

EnforceAir2 Maritime's compactness optimizes opportunities for elevated positioning, or for using previously neglected upper-deck locations. The hardware does not require cooling, is ruggedized for open water conditions, and operates on a low-power footprint.

RF CYBER DETECTION AND MITIGATION

EnforceAir is an RF-cyber detection and takeover mitigation solution that features proven and future-proof technology that detects unauthorized or rogue drones, identifies them, and then automatically takes control over drones and lands them in a safe, designated area. Authorized drones are monitored, but remain fully operational and unaffected.

AGILE & INTUITIVE

Maritime personnel face a wide variety of scenarios and drone threats, from those wanting to get a cool picture, to pirates, naval fighters, and activists. EnforceAir provides the ultimate in operational agility and flexibility. Its core elements can be easily configured, offering high performance, counter-UAS capabilities with seamless operational flexibility.

EnforceAir2 Maritime's C-UAS capabilities come in a compact footprint. The intuitive graphical user interface and rugged tablet are easy to use for all types of operational users and do not require technical expertise.

© 2026 D-Fend Solutions AD Ltd., its logo, brand, EnforceAir product, service and process names appearing in this document are the trademarks or service marks of D-Fend Solutions, or its affiliated companies. All information in this document is for general information only and it may be changed without notice. This document contains proprietary information of D-Fend Solutions or its affiliates.

REV 06