



F-6 Maritime Security System

“A Special Security Tender”



UFM Group – enrGies Corporate Alliance

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INTRODUCTION

UFM-enrGies Group is an Italian-US Corporate Alliance established to address the specific maritime security requirements resulting from the need for quick reaction, highly maneuverable, self and sovereign defense vessels, the latest version is the UFM F-6 Maritime Security System (MSS). When equipped with **strategic communications, real-time situational awareness sensors, and drone aircraft**, the F6 makes an ideal tender for top of the line yachts such as the UFM F-110. The F-6 Maritime Security System meets the dynamic personal security requirements of the exclusive F-110 clientele as well as providing a highly capable anti-piracy interceptor for national entities which do not need the top of the line F-16 Maritime Interdiction System.

MARITIME SECURITY SYSTEM

The UFM-enrGies Group **F-6 Maritime Security System** is specifically designed and provides the customized equipment necessary to maximize the security of the ocean going F-110.



1. F 6 In Government Configuration

System Description. UFM-enrGies group proposes an integrated network of nodes be emplaced providing necessary intelligence, reconnaissance

and response capability required to address the international threat to these vessels and their owners. Total security is provided by enhancements to the yacht, the F-6, unmanned aircraft, communications, sensors, and the specialized security and operations training needed to effectively protect the yacht it's owners and property. While there are multiple configurations available, the following items are recommended.

Recommended Configuration:

- F-110 with enhanced communications and long range EO/IR video sensor
- F-6 Maritime Security System with **Rotary-Wing Drones, Enhanced Communication, Sensors,** and facilities for a small security team.



Vessels. UFM-enrGies will provide the Force 6 multi-purpose tender. These vessels are designed for high-speed, extraordinary maneuverability, and exceptional sea keeping. It is ideal for coastal operations and severe conditions. Complete specifications are attached.



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Drone Aircraft. UFM-enrGies will provide an integrated set of **Lockheed Martin Indago** rotary wing drone aircraft to provide intelligence, reconnaissance and the early warning needed to insure the safety and security of the F110 and its passengers. All components are suitable for a marine environment. The controls will be integrated into the vessels existing bridge system. All aircraft are operable from the bridge as well as from handheld control stations. Imagery downlinks will be available at both the operators control station and available for distribution from the F6 to the F110 so that the Captain of the F110 has near real time situation awareness. Of course the Indago can be operated from the F110 as well as the F6. With an operational range of 10 KM, and the real time high fidelity video and IR cameras, the crew is able to identify potential threats before they materialize. This video can also be provided to the F-110 or other security forces. ***Specifications are attached.***

Enhanced Communications. UFM-enrGies will leverage our OASIS framework for collection, distribution and processing imagery collected by sensors on both vessels and the drones. This framework is enabled by the computers, servers, software and network delivered. We establish high band-width TCIP based communication network between the F6 and the F110. This connection will be dedicated and automatically aligned microwave radio links providing 50 Megabits or greater throughput. ***Specifications are attached.***

Initial Training. UFM-enrGies provides a training program designed to insure crews become effective operators. and provide initial training on the unmanned systems and communications equipment. The training will be conducted incrementally as vessels are delivered; however, more than one crew can be trained at a time.

Warranty: All Maritime Security Systems are warranted for one year to be free of defects - Repair or replacement at client's location.

Attachments:

- 1 – Force 6 Specifications
- 2 – Rotary Wing Drone Specifications
- 3- Enhanced Communications Equipment