



## PROJECT DELIVERABLE REPORT



Introducing advanced ICT  
and Mass Evacuation Vessel design  
to ship evacuation and rescue systems

### **D5.8 UAV Prototype V2**

A holistic passenger ship evacuation and rescue ecosystem

MG-2-2-2018

Marine Accident Response



**Document Information**

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**Abbreviations**

GCS	Ground Control Station: The main control station of the UAS system.
RC	Radio Controller
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle

## 1 Introduction

This document describes the implementation of specifications issued in document *D5.6 UAV Platform Requirements and Specifications*. It describes the elements that have been chosen to fit the requirements for the PALAEMON Unmanned Aerial System (UAS) second prototype, their expected performances and configurations. The second prototype of the UAV, developed by ADMES, was tested in real environment in Chania (Greece) to inspect the ANEK ship lue Horizon.

## 2 Description of the prototype

### 2.1 Aircraft DJI Matrice 600 Pro drone



## 2.2 Ground station DJI RC Pro



## 2.3 Data link Occusing 3

## 3 Images from the real tests in Chania – Blue Horizon ferry



*Figure 1; Inspection of lifeboats and equipment*





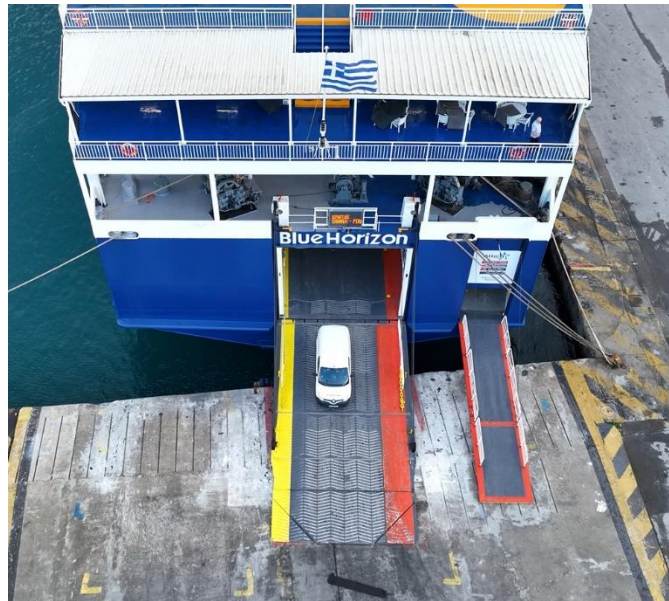
*Figure 2; Inspection of lifeboats and upper hull*



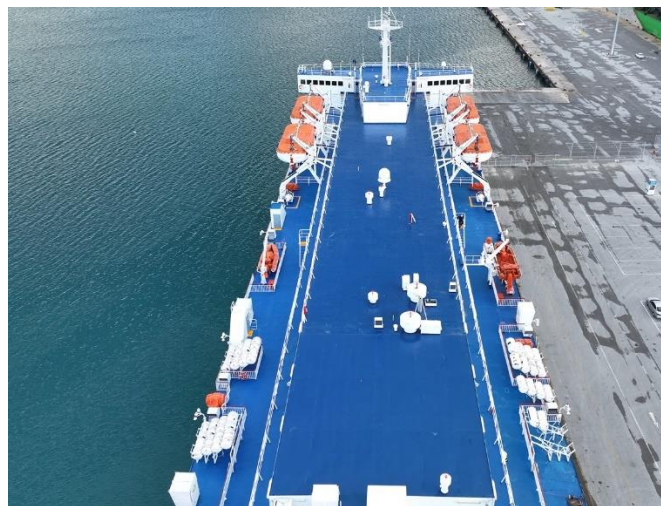
*Figure 3; Inspection of life rafts and buoys*



*Figure 4; Inspection of upper deck*



*Figure 5 Monitoring of vehicles movements*



*Figure 6 General monitoring*



*Figure 7 Inspection of safety equipment and cabins*