

## **MARION**

Unmanned Maritime Innovative Thermal Sensor Vessel





*The Hellenic Response to Defense Applications*

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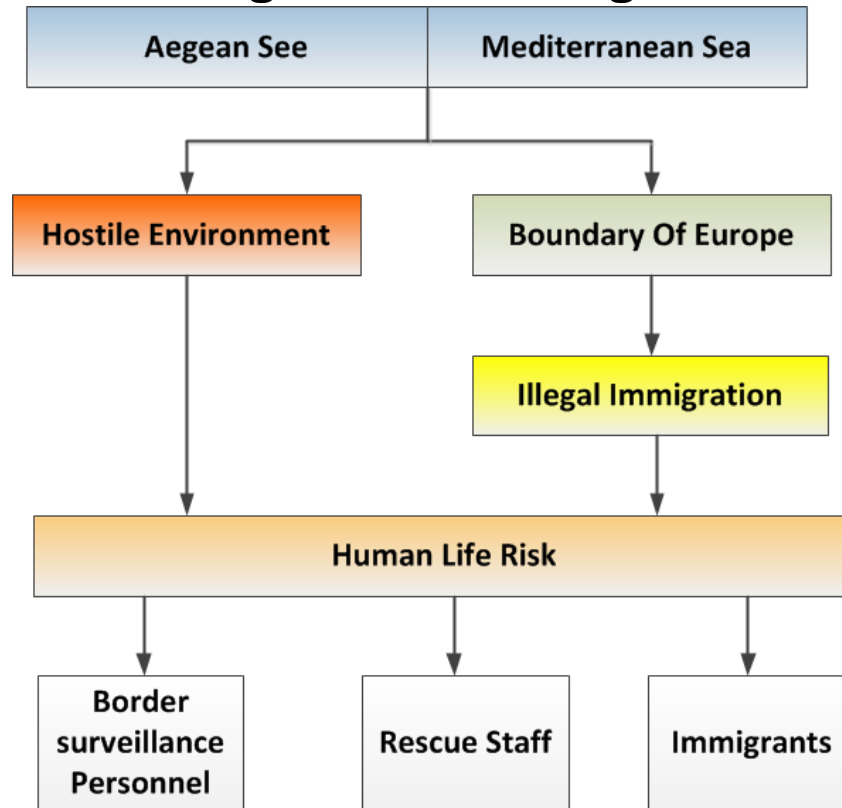
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- Integrated Radar solutions
- Cables & Harnesses for Aircrafts
- Special Purpose Military Applications



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# MARION

## Program Main Targets



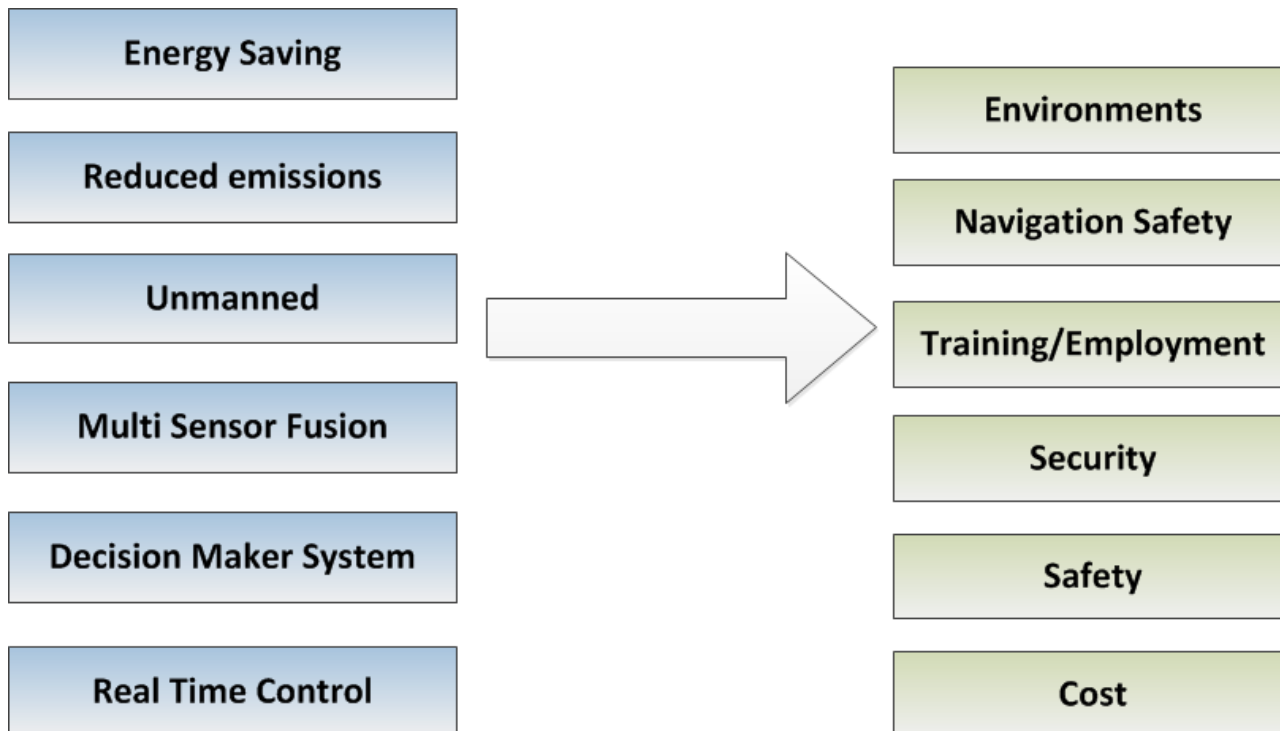
# MARION

## General Specifications

General Specification	Description
S1	Vessel
S2	Unmanned
S3	High Autonomy
S4	Long Endurance
S5	Reduced Energy Consumption
S6	Wireless Data Transmission
S7	Infrared spectral band Image Acquisition
S8	Visible spectral band Image Acquisition
S9	Satellite Based/Wireless Communication
S10	Make Decisions/Sensor Data Fusion

# MARION

## Innovative Parameters/Impacts



# MARION

## Pillars



Shore Based

Traffic Management

Services Management

Data Reception

Support Functions

Control



Communication

Stream less data

Services

Authorities



Ship Based

Multi Sensor System

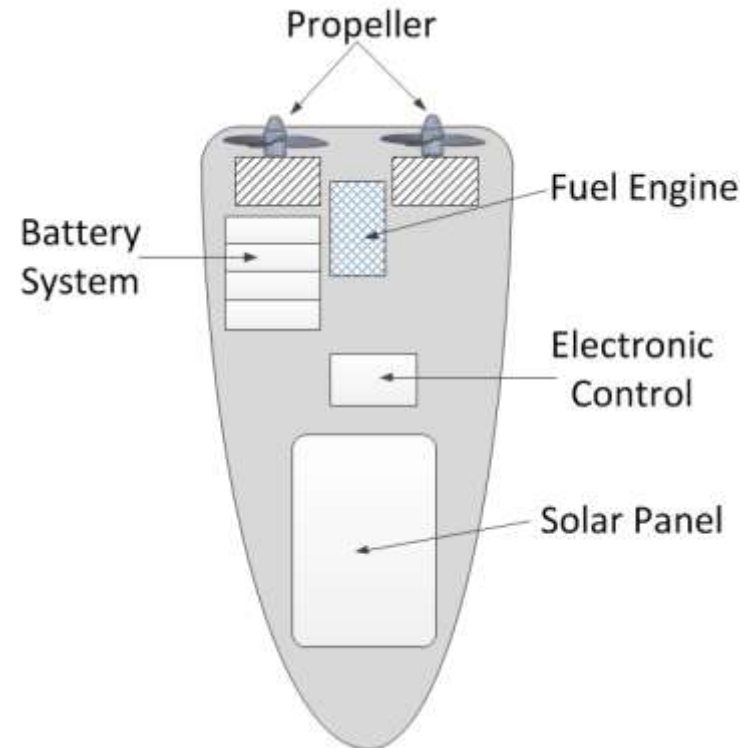
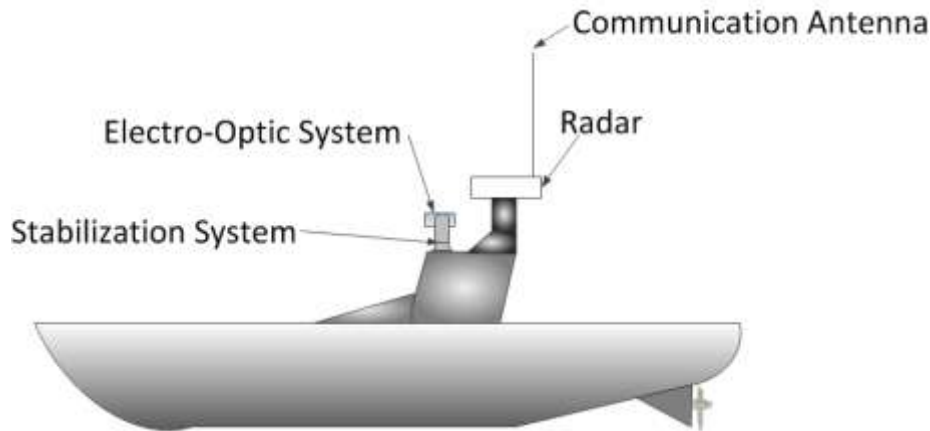
Supporting Information

Self Protection Management

Standard User Interface

## MARION

**Unique Small Vessel with Multi Sensor and Multi Power technology**





## MARION

### Schedule and Recourses

#### Research Team

Professors:	2
Senior Researchers (PhD):	27
Researchers (PhD Candidates):	20
Senior Engineers:	4

Budget estimate: **4 Million Euros**

Project Implementation time: **24Months**

The expected contribution from the European Structural and Investment Funds (ESIF) (**70% for all private partners & 100% for the Academic-Non-profit partner**).

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