

# SURVEILLANCE and SECURITY

Port, coastal and offshore areas

## RANGER

Unmanned Surface Vessels (USV)



### Surveillance and security with Unmanned Surface Vessels (USV)

The RANGER portfolio of Unmanned Surface Vessels allows the monitoring and control of the maritime space for **port, coastal and offshore inspection and surveillance services**. The use of vessels without crew, **fully automatic or under remote control**, provides a lower cost of operation, greater autonomy and surveillance performance, better approach to difficult access areas, reducing both CO2 emissions and risks.



### Surveillance and Security:

- Defense and border control
- Port Security
- Coastal and Offshore surveillance
- Environmental monitoring
- Search and rescue

The RANGER USV offers a **redundant remote-control navigation and steering system with encrypted IP communications** that can be equipped with the necessary **payload to monitor and survey the target area**, added to the vessel standard equipment (Radar, AIS, 360° night vision camera, VHF radio, broadband & 4G IP Mesh radio communication, speaker and microphone).



In addition, our RANGER USV fleet **complies with the actual DGMM (Dirección General de la Marina Mercante) regulations for professional vessels** as well as the regulations for construction, testing and operation of Unmanned Vessels.

# Operation of Unmanned Surface Vessels (USV)

CONSULMAR customizes a tailor made technological solution for its customers. In addition, CONSULMAR is able to fulfill the 24 x 365 maintenance and operation service with its own specialized team of skippers and UAVs.

## Other applications:



Surveillance and Security



Offshore renewables



Oil and gas



Maritime research & development



Environmental surveys

## CONSULMAR

Operation and maintenance of Unmanned Surface Vessels (USV)

The Consulmar Group is specialized in providing maritime services in Spain and North Africa, with 65 years of experience and a fleet of more than 25 vessels.

We offer a wide range of services, from the transport of passengers and goods in port and off port limit areas to the surveillance of coastal maritime zones.

We are immersed in innovation projects to improve the sustainability of our fleet based on the gradual electrification of vessels, as well as the digitization of operations and the operation of Unmanned Surface Vessels (USV) for port, coastal and offshore surveillance and other survey or data gathering activities.

# CONSULMAR



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