

SURVEILLANCE AND GUARD SERVICES

OFFSHORE Unmanned Surface Vessels (USV)

Designing the unmanned offshore surveillance and guard services of the future

The Unmanned Surface Vessels (USV) allow the monitoring and control of the maritime space for **port, coastal and offshore surveillance and guard services**. The use of vessels without crew, **partially autonomous 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.



Protection of maritime and offshore operations

- Remote monitoring from command centre
- Video and data collection
- Situation overview and sharing with other parties in real time
- Underwater inspections with ROV
- Reduction of overall cost



Design, construction and operation of Unmanned Surface Vessels (USV)

CONSULMAR delivers a **customizable configuration of Unmanned Surface Vessels (USV)** as well as the provision of **24 x 365 operations**.



USV Service fits with:



Surveillance and Security



Offshore renewables



Oil and gas



Maritime research & development



Environmental surveys

Technology features

The 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 USV services **complies with the actual DGMM (Dirección General de la Marina Mercante) regulations for professional vessels** in Spain as well as the regulations for construction, testing and operation of Unmanned Vessels.

CONSULMAR

With a fleet of more than 30 units, CONSULMAR is a leader in maritime services provided with port launches and barges in Spain and North Africa, involved in inshore, coastal and offshore guard services.

CONSULMAR has developed a new business unit specialized in unmanned vessel projects customized for each client, from operational design to training, maintenance and operations 24 x 365.