

## ETICA IP (Integrated Platform USV & ROV)

THE SEA OPPORTUNITIES srl is launching the Integrated Platform **ETICA IP** in the Ocean Sustainability & Blue Economy Industry market.

It is a set composed of the Unmanned Surface Vessel and the Remotely Operated Vehicle that are remotely



operated and carry out different types of work according to the marine environment features.

**ETICA IP** is meant to be an innovative technology able to provide integrated services at low costs and with a very low environmental impact. THE SEA OPPORTUNITIES is confident that this project will become a pioneer in the Offshore Energy sector.





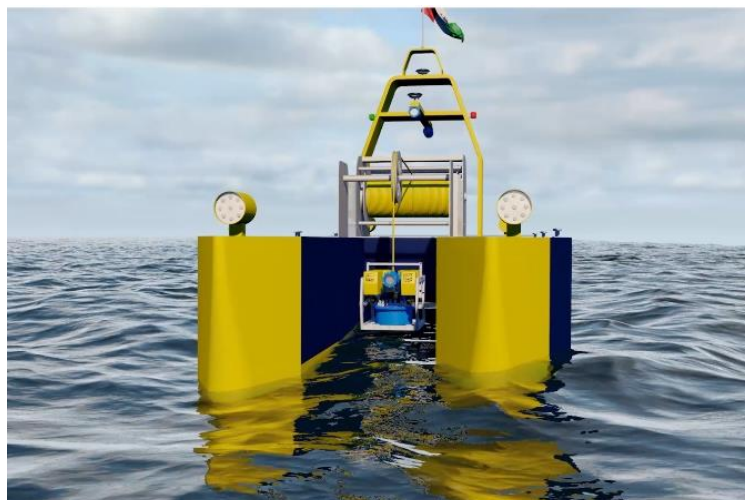
**ETICA IP** is an Integrated Platform USV & ROV, powered entirely by renewable energy. It is created to provide a wide range of surface and subsea services in the Blue Economy industry.

In line with the basic principles of our

Company, such as safeguarding of the oceans and environment and the workplace safety, we have provided **ETICA IP** with the following features:

### **USV (Unmanned Surface Vessel)**

- Emission: “0” ZERO CO<sub>2</sub>;
- Recyclable, Customizable, Scalable, Adjustable and Multipurpose;
- Remote control: Real Time by means of LTE & SATELLITE SYSTEM, frequencies 100% safe for the operator and for the surrounding environment;
- Power Supply: 100% Electric, Lithium Battery Packs, high energy efficiency, rechargeable from renewable energy source (Photovoltaic Panels);
- Autonomy: minimum 8 Hours;
- Propulsion: n. 4 Electric Rim Driven thrusters with low underwater acoustic impact;
- Navigation Limit: 3 miles for Nearshore activities with LTE System (ETICA IP 3.0) and 30 miles for Offshore activities with SATELLITE System;
- **Various customizable Sensors:**
  - Side Scan Sonar;
  - Multi Beam;
  - Magnetometer;
  - Sub Bottom Profiler.



## ROV (Remotely Operated Vehicle)

- Power supply: 230V AC - 3KW (directly from USV);
- Depth Rating: up to the maximum depth of 300 m with Optical Fiber umbilical cable;
- Chassis: Stainless steel + anodized aluminium;
- Sensors on board: 3D Accelerometer, gyro, temperature and depth;
- Camera: Digital Video color Full HD with 90° tilt system;
- Lighting: n. 2 “1500 lumen” subsea Led lights with servo signal control;
- **Various customizable Sensors:**
  - Doppler Velocity Log;
  - Altimeter Echosounder;
  - Imaging Sonar;
  - Ultrasonic Thickness Gauge;
  - Sub Bottom Profiler;
  - USBL System;
  - Multibeam Echosounder;
  - 3D Underwater Laser Scanner.

