



ASTRA Yacht presents **esa: easy sailing assistance** system

ASTRA Yacht is an Italian startup founded in 2010 and is focused on the development of advanced electronic support systems for pleasure boats.

With the **esa** system sailors have a powerful and easy-to-use solution to monitor in real time boat's performances.

The system is used, among others, by the Scugnizza crew, 2012 and 2013 World ORC International Champion; **esa** system has also been chosen by 14 of the 106 crews who raced at ORC Worlds 2013 in Ancona.

Having in your hand all the informations useful for a winning start or real polar data obtained while racing comparable to yard polar can make the difference in sailing, at all levels.

These are some of the features of the **esa easy sailing assistance** system, designed and developed by ASTRA Yacht: suitable for pro sailors who need to maximize boat's performances but also for amateurs who want to improve in their ability to set and adjust the sails.



The system is unique in the world in elaborating automatically, during navigation, the real performance goal of the boat, collecting the data in a log file which turns out to be a real polar file containing actual performances obtained in race or training.

**esa** system also doubles as a multiple repeater of the on-board instruments, provides an historical diagram of the wind and is equipped with a very powerful starting procedure.

The most important **esa's** testimonial is **Scugnizza**, boat graduated **World Champion** in **ORC International Championship** in 2012 and 2013, which uses our system for both the boat's setup, boat's development and also in training to refine maneuvers. Thanks to the development of a proprietary algorithm, **esa** can process 3D maps of the actual performances achieved, guiding the crew in finding and choosing the best setup of the boat.

**esa** system combines processing and elaboration of data on a professional level with an extreme ease of use and provides performances higher and more complete than stand-alone systems that use internal device's GPS as only source of data.

**esa** system consists of a small hardware (**esa dongle**), available for buying on our website [www.astrayacht.com](http://www.astrayacht.com), which obtains navigation data from the on-board instrumentation and forwards them via an encrypted and exclusive Wi-Fi transmission to your Apple device (iPhone, iPad and iPod touch). On your iOS device, the **esa Regatta** app elaborates and presents informations with a simple and intuitive interface.

**esa Regatta** app is freely downloadable from Apple App Store and can be used in demo mode using real navigation data we recorded while testing it.

**esa Regatta** has been recently updated to version 1.2.1b which, aside from improving stability and performances, implements significant improvements and new features such as:

- indication of “Time To Burn” (the amount of time you have to “waste” when you are in advance on the line and on the pins in relation to countdown)
- storage of P and S points in start procedure page
- possibility to set only one of the two points corresponding to the starting mark or committee boat to immediately display distance and time to the single pin
- display of the average value of wind speed for the duration of the regatta, which is necessary for calculating ORC compensation

For the **esa** system we have developed **esa Data & Polar Analyzer**, a specific software which helps **esa**-users who want to analyze in a simple and automatic way performance data obtained during navigation. The software is also available in a tour online store too.



Among the boats that have chosen to have the **esa** system stand Scugnizza, boat ORCi World Champion in 2012 and 2013 and Edimetra, who won the Giraglia Rolex Cup 2013 having onboard pro navigator Alessandro Alberti, who regularly uses **esa** system on all the boats he race on.

Crews use **esa** for both tuning up and development of the boat but also to train to do the best manouvers they can in every condition, having always in hand real-time performances of the boat.

Very popular between crews is the page dedicated to starting procedure that easily gives every data sailors need to start regatta the best way they can.

Giuseppe Montella, navigator on Scugnizza (2012 and 2013 World ORC Champion)



*“esa Regatta provides us at any time results performance targets we obtain allowing us to make the best choices. For example, we tried three different attachment points of the spinnaker halyard: the relationship between the real targets achieved and the various GPHs made us choose the lowest position that allows us to obtain the best performances in relation to offset time”.*

*“Also thanks to the possibility to analyze performances the **esa** system gives we had the chance to successfully develop Scugnizza, allowing us to win back-to-back World ORC Championship in 2012 and 2013”.*

We are available to provide any additional information that is not found on our website [astrayacht.com](http://astrayacht.com) and organize tests and presentations compatibly with commitments already programmed.

**ASTRA Yacht srl**  
**easy high technology**  
info@astrayacht.com  
<http://www.astrayacht.com>  
PI 01114290313

**Sede legale**  
Piazza della Repubblica 15  
34074 Monfalcone (GO) Italy

**Sede operativa**  
technoAREA Gorizia  
c/o Autoporto di Gorizia  
34170 Gorizia – Italy